AIS Global Information Systems Education Report 2019/20

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EDITORIAL

For the fourth time, the *AIS Global IS Education Report* presents a global overview of educational offerings in the field of Information Systems. This field studies the design, use, and impact of information systems in organizations, which are often enabled by Internet-based services. With growing Internet access and use, increasing numbers of objects in our everyday lives are connected to the Internet - objects that not only capture and exchange information but that also facilitate efficient, sustainable, and enjoyable user experiences. For professionals, competencies in information-systems design and use are keys to success. While many white-collar jobs are expected to vanish because of automation and fundamental changes in how we work, the competencies developed by information systems education will be increasingly in demand.

The academic discipline of information systems has developed an impressive collection of educational programs and resources from around the world. The Association for Information Systems (AIS), a global community of information-systems academics, has collected and connected such offerings via the Internet platform [www.eduglopedia.org](http://www.eduglopedia.org). Today, more than 580 institutions in 67 countries have been registered, with fifty new institutions added compared to the 3rd edition. The data in this *Global Information Systems Education Report* is based on entries to the [www.eduglopedia.org](http://www.eduglopedia.org) platform these institutions provided (as of February 10, 2020), consisting of more than 3,227 courses from more than 1026 programs. The collection will be updated continually via the [www.eduglopedia.org](http://www.eduglopedia.org) platform throughout the year, so readers are advised to also refer to the online version of [www.eduglopedia.org](http://www.eduglopedia.org) in order to check out for updates and new entries.

The report provides statistics on many kinds of offerings and guidance on where and how to acquire competencies in a variety of areas in information systems and covers all global regions and offerings at the bachelor’s, master’s, and Ph.D. levels. This report is an effort to bring together the global IS educational offerings in the field of information systems, so we encourage readers to look at the individual institutions’ online profiles, which are updated throughout the year, for additional details and information.

We thank everyone who has helped to make this report possible, but particularly Stefan Fleischer, Michael Gau and Marina Hagen-Canaval. We are grateful for the extraordinary support of the information systems community.

We hope you will enjoy reading the report and will find it useful. We look forward to hearing your feedback!

Vaduz, Liechtenstein ┆ Singapore ┆ Waltham, Massachusetts, USA ┆ Rotterdam, Netherlands

Jan vom Brocke ┆ Bernard C.Y. Tan ┆ Heikki Topi ┆ Markus Weinmann
OVERVIEW

DENSITY\(^1\) OF REPORTED PROGRAMS PER COUNTRY – WORLDWIDE

The density of programs has been calculated by dividing the number of reported programs by the population (in millions). The darker the color, the higher the density.

\(^1\) The density of programs has been calculated by dividing the number of reported programs by the population (in millions). The darker the color, the higher the density.
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University of Toronto

Queen's University

McGill University

Concordia University

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NORTH AMERICA
DENSITY\(^3\) OF REPORTED PROGRAMS PER COUNTRY – NORTH AMERICA

The density of programs has been calculated by dividing the number of reported programs by the population (in millions). The darker the color, the higher the density.
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

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Since 1958, Brandman University has been serving the unique needs of adult students by providing access to a quality education consistent with the needs of their busy lives. Brandman University also offers undergraduate and graduate degrees, certificates, teaching credentials and extended education programs online and at campuses throughout California and Washington.

Please contact me to get more information. khundley@brandman.edu/ 925.393.3461

Contact: Kim Hundley
Institution website: www.brandman.edu/mypathnow
EDUglopedia: eduglopedia.org/my-path-competency-based-online-education-brandman-university

BRANDMANN UNIVERSITY

My Path, Competency Based Online Education
Brandman University
United States

www.eduglopedia.org
PROGRAMS

**Bachelor of Business Administration**

**BBA, Information Systems Management**
A Bachelor of Business Administration with an emphasis in Information System Management prepares students to create technological efficiencies that propel their businesses in the digital age.

**BBA, Management and Organizational Leadership**
A Bachelor of Business Administration with an emphasis in Management and Organizational Leadership prepares students to implement and manage change, foster employees’ professional development, apply conflict resolution tactics, and utilize project management applications.

**BBA, Marketing**
A Bachelor of Business Administration with an emphasis in Marketing prepares students to elevate their companies by delivering quality, innovative and targeted brand messaging to consumers and stakeholders.

**BBA, Supply Chain Management and Logistics**
A Bachelor of Business Administration with an emphasis in Supply Chain Management & Logistics prepares students to apply project and relationship management techniques to foster strong connections with suppliers to ensure transportation services are both sustainable and reliable.

**Highlights**
- Go at your own pace
- Fully online program
- Apply work experience to move through the program quicker
- Affordability
- Financial Aid Available

**Bachelor of Science in Information Technology**

In today’s globally-networked world, information technology professionals are critical to ensuring business systems and security measures are performing at the highest caliber. Graduates will be able to lead organizations by facilitating advanced data analysis and server management for optimal productivity. Competencies include: Mobile development fundamentals, fundamentals of software development, cloud computing, and more.

Eligible students that meet admission requirements and begin their IT degree by August 31st will receive a $500 scholarship that is applied to their first 6 month payment. To be considered for eligibility, please fill out the information form below.

**Highlights**
- Go at your own pace
- Affordability
- Online program
- Apply Work experience to move through program quicker
- Comprehensive Curriculum
Supply Chain and Information Systems

IOWA STATE UNIVERSITY

Supply Chain and Information Systems
Iowa State University
2167 Union Drive
2340 Gerdin Business Building
50011-2027 Ames
United States

Contact: Jacquelyn Rees Ulmer
Institution website: www.business.iastate.edu/
EDUglopedia: eduglopedia.org/supply-chain-and-information-systems-iowa-state-university

ABOUT

Educating Future Business Leaders

The College of Business at Iowa State University conducts and shares research to educate tomorrow’s business leaders so they are prepared to deal with multi-disciplinary, global, technological, ethical and diversity challenges.

History

Although business education has been taught at Iowa State University since the early 1920s, the College of Business was not established until 1984. Its fall 2012 enrollment is 3,525 students.

The college moved into the Gerdin Business Building in 2004. The 111,000-square foot building is equipped with state-of-the-art technology, including high-tech laboratories that allow students and faculty to replicate real-world business situations, like securities trading and market research.

Curriculum & Standards

These capabilities, combined with a solid curriculum, nationally-recognized faculty, and welcoming atmosphere, provide business students with an innovative educational experience. Students also benefit from faculty and staff who are dedicated, approachable, and responsive, creating an unmatched business education experience.
PROGRAMS

Bachelor of Science in Management Information Systems

MIS consists of a specially designed curriculum which emphasizes conceptual, analytical, technical and interpersonal skills.

The Management Information Systems (MIS) program is designed to provide students with a strong educational foundation preparing them as information system (IS) professionals.

The MIS program provides comprehensive training in the application, use, and management of information systems preparing students to provide effective information services and support.

The program will:

- Impart knowledge on existing and emerging information technologies and their impact on the IS function
- Train to critically analyze business processes, identify inefficiencies and problems, assess information requirements, create business solutions and technical specifications for the supporting system
- Provide expertise to design and develop database applications using the latest database technologies; provide expertise in the latest telecommunication technologies
- Train in interpersonal and communication skills to effectively interact with various information systems' clients
- Provide managerial skills to manage IS projects

Master of Business Analytics

The Master of Business Analytics is an interdisciplinary graduate program that addresses the challenges of dealing with data analytics and business intelligence in the "Big Data" environment. It was developed to meet the needs of today's businesses and organizations facing intense global competition and constant technological disruptions.

The digital revolution empowered by the Internet and computer networking technology during the last several decades has generated unimaginable amounts of data. The volume, velocity, and variety of this data have produced a new set of problems and challenges facing businesses and organizations.

The Master of Business Analytics at Iowa State University is a unique, blended program offering both online and face-to-face education. The program draws from several of Iowa State's leading educational fields in science and technology including Computer Science, Electrical and Computer Engineering, Statistics, and Industrial and Manufacturing Systems Engineering. This interdisciplinary program offers businesses the opportunity to develop managers who will master analytics in ways that lead to increased profits for their company.

The program provides a foundation in data analytics, project management, statistical and predictive modeling, consumer sentiment analysis, knowledge discovery, analytical reporting, segmentation analysis, and data visualization. The program has a customized, capstone team project which allows for focused training in areas such as fraud detection, risk management, text mining, and process improvement.

Students begin the 21 month program in the summer with a one-week, on campus business analytics overview course. Students revisit the campus at the midway point, and at the end of the program. The remainder of the coursework is delivered online.

Students are encouraged to submit the complete application by July 1st because of limited enrollment.

Highlights

- Fully online
- Part-time

Master of Science in Information Systems

The College of Business offers graduate courses leading to the Master of Science degree in Information Systems. This degree is designed to
provide students with a strong set of technical skills in addition to a broad background in business to enable them to develop and manage a full spectrum of IT projects.

Iowa State University has created a Master of Science degree in Information Systems to address the growing demand for qualified information systems managers. Graduates will help fill the need for highly educated technical employees in today’s information society.

This program will educate students on applying IS theory and concepts to modern IS development through classes that enable students to learn and use the latest software in application projects. The practical training in an internship setting will provide students with exposure to real-world projects. Students graduating from the program will have the advanced technical and managerial skills necessary to obtain immediate employment as a mid-level manager in any one of several organizations.

All students are expected to be familiar with basic computing and programming before entering the program. Students with a limited IS background will be required to take appropriate foundational MIS core courses. The MS-IS is designed as a full-time, residential program offered on the Iowa State campus.

Program requirements range from 33 to 42 credits depending on the student’s background. A three credit creative component is required of all graduates. Additionally, students are expected to complete an internship during the summer between the first and second year to acquire practical work experience.

Ph.D. Program in Information Systems

The Business and Technology Ph.D. program is a full-time residential program. The program will focus on theory development and testing in areas relating to the management of critical resources of any organization:

Curriculum & Requirements

The curriculum is comprised of 74 credits of coursework, including a minimum of 18 credits of business graduate coursework that must be completed before admission to the Ph.D. program (see: Academic Prerequisites). It is expected that students will require a minimum four years to complete the program.

As is true of Ph.D. programs in any field, the primary focus of our program will be on research. The program has been designed to help students develop excellent research skills and the ability to conduct high quality scholarly research.

Moreover, because most of our doctoral students will pursue careers in academia, the program also emphasizes the development of pedagogical skills and a student's passion for teaching and ability to teach.

The program will require full-time participation of students. Learning outside the classroom under the guidance of faculty mentors will be a key component of doctoral education. Students can expect to invest 50 or more hours per week in classroom-related and outside the classroom learning activities. It will not be suitable for individuals seeking a part-time learning experience or for individuals seeking graduate distance education.

Funding

Financial aid is provided to all students admitted to the Ph.D. program. The financial aid package will include coverage of tuition fees and half-time assistantship stipend. The assistantship appointment will require students to work as a research or a teaching assistant.

For more information please visit Funding.
Ohio University College of Business

Ohio University College of Business
Ohio University
Copeland Hall
45701 Athens
United States

Institution website: www.business.ohio.edu
EDUglopedia: eduglopedia.org/ohio-university-college-of-business-ohio-university

ABOUT

Founded in Athens in 1804, Ohio University is the oldest university in what was once the US Northwest Territory. The main campus is located amidst scenic state and national parks in a family-friendly and culturally rich community 75 miles southeast of Columbus. A comprehensive state-assisted university Ohio University enrolls over 19,500 students on the Athens campus and 7,500 on five regional campuses. (Additional information about the university is available at www.ohio.edu).

The College of Business, currently ranked as the 15th best public business school by Bloomberg Businessweek, has an earned reputation in academic excellence, innovative learning and global experience, as well as small class sizes and close relationships among faculty, students, and community. Highlights of the College of Business experience are available at business.ohio.edu. Undergraduate and graduate programs in the College of Business are accredited by the AACSB. The undergraduate business curriculum emphasizes applied learning and student engagement and includes Analytics and MIS majors. At the graduate level the college maintains a suite of MBA programs, and it has a forthcoming Masters in Analytics program. Internationally the college has summer graduate and undergraduate consulting experiences in countries such as Italy, Greece, Germany, Hungary, China, France and Spain.
OHIO’s College of Business offers an undergraduate co-major that develops students’ skills and competencies in business analytics and provides them with hands-on experience of statistical tools used in the business environment using data provided by industry partners.

Highlights
- Information Management, Business Analytics Methods, Advanced Business Intelligence, Predictive Analytics, Prescriptive Analytics

BBA, MIS

Highlights
- systems development and configuration, implementation, consulting, project management, risk assessment, change management, and process mapping and design
ABOUT

Management Information Systems (MIS) is a hands-on major which equips students with real-world skills that are in demand in the job market. Our program prepares students to lead IT-enabled change in organizations.

The Terry MIS program provides the foundation for students to go in a technical direction (such as a programmer or database administrator), a non-technical direction (such as a business process analyst or project manager), or somewhere in the middle (such as a business intelligence or IT risk & security specialist).
PROGRAMS

BBA in Management Information Systems

The Terry MIS program provides the foundation for students to go in a technical direction (such as a programmer or database administrator), a non-technical direction (such as a business process analyst or project manager), or somewhere in the middle (such as a business intelligence or IT risk & security specialist).

Highlights

- Ranked program, Full Time, 2 years

Master of Business and Technology (MBT)

The Online Master of Business and Technology (MBT) program is uniquely designed to reinforce your IT skill-set and complement it with project management experience and leadership clout. Operating at the intersection of business management and IT, our graduates are prepared to lead teams that build technology-based solutions.

Highlights

- online, 5 semesters, part-time (2 courses per semester)

PhD in Business Administration (Management Information Systems)

The PhD in MIS is a 4 to 5 year, full-time program that seeks to develop outstanding scholars who will excel in research and teaching positions at other major universities. We have developed a PhD program that will provide you with significant individual flexibility, while at the same time ensuring that you acquire the necessary conceptual and methodological skills to begin work toward a leadership position in your field. Our PhD program is known for its cutting-edge research and support from actively publishing faculty.

Highlights

- Data Analysis & Research Methods; Digital Innovation Platforms & Infrastructure; Energy Informatics; Enterprise Information Systems; Healthcare IS; IS Adoption & Use
- Online Communities & Social Media;
- IS Leadership, Strategy, & Governance
- IS Design & Development
ABOUT

In the heart of Atlanta, Georgia, USA, surrounded by Fortune 500 companies and entrepreneurial start-ups, the J. Mack Robinson College of Business fosters deep and lasting business relationships that influence our research, teaching and service missions and are reflected in our developmental success of the next generation of leaders.

Serving business professionals for more than a century, the Robinson College offers a choice of more than 20 graduate programs to meet the needs of today's business professionals. Our portfolio of master's programs spanning information systems, risk management, finance, analytics and more, equip students with unparalleled expertise in their fields. We offer an unmatched depth and breadth of programs that serve a diverse student body and working and non-working professionals alike.

Students come from around the world to our top-ranked Computer Information Systems Department for a rich foundation that prepares them to pursue either a business career with a strong understanding of how technology facilitates achieving business objectives or a technology career with a strong understanding of how business objectives drive information systems toward achieving business goals. Robinson's internationally recognized CIS faculty are ranked among the best in the world for the number of information systems scholars as well as for research published in leading journals.
PROGRAMS

Bachelor of Business Administration in Information Systems

The mission of the CIS major in the BBA program is to produce graduates able to combine the business and technology skills needed to develop and manage information systems that provide a competitive advantage in the global marketplace. Students will learn how to combine their general business knowledge with the latest software engineering tools and techniques to create information systems needed by today's organizations.

Highlights

- #7 in U.S. News rankings

Master of Information Systems

The Master of Science in Information Systems program produces graduates who are able to combine business knowledge with the latest information systems tools and techniques to enable organizations to compete strongly in the global marketplace. Graduates, through the use of optional concentrations in their programs of study, will be prepared for careers in specific areas such as Big Data Management and Analytics, Cybersecurity, and Enterprise Systems. The program is offered by the Computer Information Systems department which is ranked among the best in the world for research.

Highlights

- #11 in U.S. News rankings

Master of Information Systems Audit and Control

The MSISAC program delivers a broad understanding of enterprise-wide approaches for managing growing risks and emerging regulations. This program is designed to meet the needs of students who want to build a strong background in the application, auditing, and assurance of information as well as information and communication technology (ICT) in accounting. The MS ISAC will meet the requirements of the model curriculum for the Certified Information Systems Auditor (CISA) certification examination conducted by the Information Systems Audit and Control Association (ISACA).

Highlights

- Compliant with CISA curriculum
BLOOMSBURG UNIVERSITY OF PENNSYLVANIA

Innovation, Technology, and Supply Chain Management
Bloomsburg University of Pennsylvania
400 E. Second St.
17815 Bloomsburg
United States

Contact: Tung Cu
Institution website: www.bloomu.edu/

ABOUT

Bloomsburg, PA is a small, historic town located within Columbia County and is home to just over 14,000 residents. The County seat, Bloomsburg, is considered the only incorporated “town” in Pennsylvania. Deep in the heart of the Susquehanna River Valley, Bloomsburg is home to a municipal airport, landmark Town Park with many acres of recreational activities, and has one of the largest and longest running fairs in the country.

As the university on the hill, Bloomsburg University of Pennsylvania overlooks the Town of Bloomsburg and is situated a few hundred yards from the community’s business district with Geisinger-Bloomsburg Hospital across the street from a cluster of residence halls. Building on a rich history of academic excellence as one of 14 public universities in the Pennsylvania State System of Higher Education, Bloomsburg University prepares and inspires students for personal and professional success in an increasingly complex global environment.

www.eduglopedia.org
PROGRAMS

Bachelor of Information and Technology Management (B.S.B.A.)

Bloomsburg University's B.S.B.A. in Information and Technology Management (ITM) program prepares students to effectively plan, design, select, implement, use, and administer emerging information and communication technologies. Its curriculum interconnects from curriculums offered by Computer Science and Management of Information Systems degree programs.

ITM provides students with emerging technology skills and integrates those skills with business knowledge. ITM discipline — specific courses build upon the learning goals in the AACSB accredited curriculum.

Highlights

- High Faculty/Student Ratio
- Excellent job placement
- Real-world hands-on training
- Affordable tuition fees
ABOUT

Since 1906, we have placed students at the forefront of business by harnessing the power of Greater Cincinnati, Ohio and its community.

As part of a thriving top-25 research university in a city with eight Fortune 500 companies, the Lindner College of Business delivers academic excellence with an emphasis on experiential learning in a multi-disciplinary environment, adding real-world value to students and the communities they serve.

The college enrolls approximately 3,000 undergraduate students and 700 graduate students and provides them with unique opportunities to build professional experience, cultural competency and leadership skills through cooperative education, internships, field-study research and cross-disciplinary studios.

In living and breathing this promise everyday, we provide an education students can't get anywhere else.
Today, most organizations cannot function or compete effectively without computer-based information systems. Enterprises often ascribe their productivity improvement, improved customer service or competitive advantage in the marketplace to their information systems (IS).

The information systems major trains students to function at the intersection of businesses and technology, to design and build the solutions that allow business to effectively leverage information technology. It provides a student a solid background in the analysis, design, development and deployment of computer-based information systems. Students acquire strong technical skills in databases, systems analysis and design, web development, business process modeling, business intelligence tools, telecommunications, and project management, along with problem solving skills through the team-oriented, project-based courses in the program.

Lindner’s Career Services (LCS) team works with undergraduate students to help them obtain real world work experience through Lindner’s Professional Experiences, which may include co-op or internships with full or part-time options. Some paid experience is highly recommended as a contextual-learning option. Participation in the co-op or internship program offers opportunities to learn current industry practices and connect them to the conceptual knowledge gained in the courses. Needless to say, it also enhances employment opportunities. Though job titles vary widely, graduates interested in more business-oriented jobs have such starting options as business process or systems analysts, data modelers or project managers. Those interested in more technical roles can choose to become web developers, database managers or network designers. Salaries for IS graduates remain among the highest in the college.

See more at: http://business.uc.edu/undergraduate/program-options/majors/information-systems.html#sthash.mwPtvaXi.dpuf

Highlights
- Excellent Professors
- Respected Program
- High Employment
- In-Demand Students
- Challenging Program

Master of Science in Information Systems

The Lindner Master of Science in Information Systems (MSIS) degree is an innovative degree program combining foundational business knowledge with Information Systems focused courses and real world experience. It provides students with the tools necessary to pursue a highly successful career in Information Systems.

Our students have 100% employment upon graduation as Developers, Business Analysts, Systems Analysts, Database Managers, Information Systems Managers, or IT Consultants. Companies that hire MS Information Systems graduates include Google, Microsoft, Accenture, Yahoo, Ernst & Young, Deloitte Consulting, Procter and Gamble, SAP, Unilever and many others.

The Master of Information Systems degree was Forbes #4 “Best Master’s Degree for Jobs” with a median annual wage of $120,950 and annual employment growth of 15% from 2012 to 2022 (US Dept of Labor 2012).

See more at: http://business.uc.edu/graduate/ms-information-systems.html#sthash.CPYDBHCC.dpuf
Highlights

- The MS-IS faculty conducts leading edge research and have extensive experience in both industry and academia.
- A flexible innovative curriculum accommodates students with diverse educational backgrounds and work experiences.
- The program is known for its strengths in the areas of ERP, Business Intelligence, Database Design and Modeling, and Project Management.
- The MS-IS degree offers flexible class options to accommodate working students and can be completed either full-time or part-time.
ABOUT

Among America's oldest and most comprehensive public universities, USC Columbia is the major research institution of the University of South Carolina system and its largest campus, enrolling approximately 21,000 undergraduate students and approximately 8,000 students in graduate and professional programs. At the heart of its mission lies the University's responsibility to state and society to promote the dissemination of knowledge, cultural enrichment, and an enhanced quality of life.

The University serves a diverse population of students with widely varying backgrounds, career goals, and levels of aspiration. USC Columbia offers over 320 degrees at the bachelor's, master's, doctoral, and professional program levels, affording students the most comprehensive array of educational programs in the state. Additional opportunities for personal and career development, including an associate degree program at Fort Jackson, are provided to the citizens of South Carolina through outreach and continuing education activities.

Through the primary method of classroom and laboratory instruction, and through a secondary method of distance learning delivered via the Internet, teleconference, and electronic media, degree programs are offered in the following areas: arts and sciences; education; engineering and computing; hospitality, retail, and sport management; mass communications and information studies; music; public health; and social work; and in professional programs such as business, law, medicine, nursing, and pharmacy. The depth and breadth of its graduate programs in the arts and sciences, international business, public health, social work, and library and information science distinguishes USC Columbia from all other institutions of higher learning in South Carolina.

Recognized by the Carnegie Foundation as a top research and service institution, nationally ranked in start-up businesses, and conferring over 30% of all bachelor's and graduate degrees awarded at public institutions in South Carolina, the University has a profound relevance, reach, and impact on the people of the state. As the flagship institution of the state system, USC Columbia leads the way in providing all students with the highest-quality education, including the knowledge, skills, and values necessary for success and responsible citizenship in a complex and changing world through engagement in nationally and internationally ranked research, scholarship, community outreach, and artistic creation.
As a student in the Bachelor of Science in Integrated Information Technology (iIT) program, you will perfect your information technology and communication skills, and you will also develop an understanding of business and technological issues. You will receive in-depth instruction in several core areas:

- Design, development, and management of information systems
- Network implementation, security and support
- End-user support and training
- Database systems and administration
- Web site design and management
- IT project management
- Large-scale computing

During your freshman and sophomore years, you will take required university courses such as English, history, foreign language, fine arts, and social science, as well as core courses in your major. In your junior and senior years, you will complete your major courses, including networking, database management, visual programming and project management.

In addition to your core and advanced courses, you will receive a foundation in general education and management. You will round off your academic career with a senior capstone project class and a mandatory industry internship, solidifying your command of leadership roles in any business setting.

Undergraduate Program Coursework

- 125 credit hours including:
  - One internship

For more details about the degree requirements and curriculum for the Integrated Information Technology, B.S., please visit the academic bulletin.

Accredited by ABET

The Department of Integrated Information Technology (iIT) has been accredited by the Computing Accreditation Commission of ABET, the recognized accreditor of college and university programs in applied science, computing, engineering, and engineering technology. ABET accreditation demonstrates a program’s commitment to providing its students with a quality education.

One of the key elements of ABET accreditation is the requirement that programs continuously improve the quality of education provided. As part of this continuous improvement requirement, programs set specific, measurable goals for their students and graduates, assess their success at reaching those goals, and improve their programs based on the results of their assessment.

Program Educational Objectives

The mission of the Integrated Information Technology degree program is to:

- provide quality academic programs that prepare students to become successful information technology professionals, future leaders, and innovators in industry, education, and society.
- excel in research and innovation that contributes new knowledge and enables new technologies and systems.
- build information technology partnerships that serve academia, government, industry and the broader society.

Three to five years after graduation, Integrated Information Technology graduates should:

- advance in their careers through their knowledge of information technology, communication skills, and understanding of business and technological issues;
• contribute to economic development and society through the effective use of technology to address problems in a broad range of settings;
• continue their professional development through professional study and research;
• advocate for the needs of users and organizations in developing technical solutions;
• anticipate the changing direction of information technology and evaluate and communicate the likely utility of new technologies to an individual or organization;
• manage the information resources of an individual or organization; and
• explain and apply appropriate information technologies and employ appropriate methodologies to help an individual or organization achieve its goals and objectives.

Student Outcomes
At the time of graduation, Integrated Information Technology students should satisfy the following Student Outcomes.

Students will demonstrate the ability to:
• apply knowledge of computing and mathematics appropriate to the discipline;
• analyze a problem and identify and define the computing requirements appropriate to its solution;
• design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs;
• function effectively on teams to accomplish a common goal;
• understand professional, ethical, legal, security, and social issues and responsibilities;
• communicate effectively with a range of audiences;
• analyze the local and global impact of computing on individuals, organizations, and society;
• recognize the need for and be able to engage in continuing professional development;
• use current techniques, skills, and tools necessary for computing practice;
• use and apply current technical concepts and practices in the core information technologies;
• identify / analyze user needs and take them into account in the selection, creation, evaluation and administration of computer-based systems;
• effectively integrate IT-based solutions into the user environment;
• understand best practices and standards and their application; and
• assist in the creation of an effective project plan.

Highlights
• Internships and job placements with leading companies, like IBM and Boeing
• Small program with more individualized attention
• Professors with industry experience
• Program is ABET accredited
• Classes taught by professors

Master of Health Information Technology
Comprised of 36 credit hours, the interdisciplinary MHIT program is designed specifically to produce highly qualified professionals and leaders with expertise in both information technology and health administration.

Professionals who understand the unique relationship between information technology, people, health, and the healthcare system are in short supply and high demand. The master’s program in Health Information Technology seeks to satisfy this demand through a unique partnership between the university’s Department of Integrated Information Technology (iIT) and the Arnold School of Public Health.
Department of Health Services Policy and Management.

The program blends a technical IT foundation with coursework covering current clinical trends, government regulations and healthcare-specific management practices.

Core Curriculum

The core curriculum consists of six courses (18 credit hours), with four courses in Integrated Information Technology and two courses from Health Services Policy and Management. Students will also complete four elective courses, including at least one from information technology and one from health administration. The final requirement is a health information technology practicum of six credit hours.

Required IT Practicum

The practicum is a supervised internship in health IT or for students already working full-time, a supervised project. The practicum provides experiential learning opportunities beyond the classroom. The practicum consists of a minimum of 250 hours of approved health IT experience and culminates with a required project paper which enables a comprehensive assessment of program learning outcomes.

Admission Requirements and Process

All applications for the MHIT program must be submitted through The Graduate School. All applicants to the MHIT program should have a blend of experience and competitive academic record. An admissions scorecard will be used to evaluate applicants, weighing the applicant’s undergraduate grade point average (GPA), GRE or GMAT test scores, reference letters, previous professional experience and career goal statement.

- A Bachelor’s degree is required before enrollment, with an official transcript of undergraduate work. Pending completion of the degree, an official transcript of all coursework taken to date is required.

- A typical student has:

- Official Graduate Record Examination scores (GRE) or General Management Admissions Test (GMAT) scores should be submitted to the Graduate Office.

- GRE or GMAT waiver may be available for applicants with:

- Completion of a prior advanced degree (masters or higher) from a nationally accredited institution OR

- A combination of an undergraduate cumulative grade point average of 3.25/4.00 or higher for the final 60 credit hours of the degree and three years or more of significant industry experience OR

- Be an admitted graduate student in another USC program and have completed at least 9 credits of graduate study with a cumulative GPA of at least 3.0. A personal interview with the program director may also be required.

- Applicants interested in pursuing a waiver should submit a GRE/GMAT Waiver Consideration Request form. Waivers are never guaranteed and must be approved by the MHIT admissions committee, whose decisions are final.

www.eduglopedia.org
Information Systems & Decision Sciences

CALIFORNIA STATE UNIVERSITY, FULLERTON

Contact: Bhushan Kapoor
Institution website: business.fullerton.edu/Department/ISDS/
EDUglopedia: eduglopedia.org/information-systems-decision-sciences-california-state-university-fullerton

ABOUT

Information Systems are the backbone of modern businesses. As the capabilities of information systems and technologies soar, business functions such as marketing, accounting and finance rely heavily on information systems for developing and maintaining strategic advantage. There is a high demand for individuals knowledgeable in business functions and information systems and technologies. Graduates of Mihaylo College of Business and Economics are prime candidates to fill in this demand at the corporate level, as well as at the business function levels. Mihaylo graduates have the managerial skills and the knowledge of the essentials of information systems to strategically manage, maintain, and analyze data and systems.

Today’s Mihaylo student is building the knowledge and ability to acquire, manage or develop systems, such as Accounting Information Systems, Marketing Information Systems, or Financial Information Systems. Graduates can be found in positions in the function areas of an MIS group and have strong candidacy for promotion to an MIS or general management position at the corporate level.

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The Department of Information Systems & Decision Sciences (ISDS) is one of six departments in the Mihaylo College of Business and Economics at the California State University – Fullerton. The department offers courses to undergraduate students which form the basis for Information Systems (IS) concentration and Decision Sciences (DS) concentration. We also offer two (STEM designated) graduate programs: The Master of Science in Information Systems (MSIS) and the Master of Science in Information Technology (MSIT). The MSIT program is taught in an online format. The Department also supports the College MBA program by offering concentrations in Information Systems, Business Analytics and Decision Sciences.
PROGRAMS

Bachelor of Business Administration

Information systems are one of the fastest growing fields in business since computers play such a vital role in the proper management of a firm's information resources. Information systems are used in business, industry and government and are essential for a successful operation.

The information systems concentration at Cal State Fullerton is designed to provide students with the skills required to immediately begin a career in the information systems field, as well as the lifelong skills needed to remain current in this fast-paced, dynamic field.

Master of Information Systems

The MS in Information Systems and Decisions Sciences (a STEM designated) program provides the conceptual understanding and technical competence for careers in information systems. Information Systems are computer-based systems that provide management with the necessary information to support the decision-making needs of an organization.

Students with a recent undergraduate degree in business administration equivalent to the degree offered at CSU Fullerton should be able to complete the ten-course curriculum within a year-and-a-half on a full-time basis.

MBA in Information Systems

There is a high demand for individuals knowledgeable in business functions and information systems and technologies. Graduates of Mihaylo College of Business and Economics are prime candidates to fill in this demand at the corporate level, as well as at the business function levels. Mihaylo graduates have the managerial skills and the knowledge of the essentials of information systems to strategically manage, maintain, and analyze data and systems.

The Information Systems concentration includes the distinction of being a STEM designated program. This program provides international students 17 additional months of OPT (Optional Practical Training), plus the original 12 months.

Master of Information Technology

The Master of Information Technology (a STEM designated) program provides the conceptual understanding and technical competence for careers in information systems. The MSIT is a completely online masters program.

Highlights

• Our online MS in Information Technology is ranked No. 1 in California and No. 6 in the nation by U.S. News & World Report, January 2015.

www.eduglopedia.org
ABOUT

Located in Virginia’s beautiful Shenandoah Valley, JMU is a highly selective, diverse, regional, comprehensive, student-oriented institution with a growing national reputation. The student body includes approximately 21,000 undergraduate and 11,900 graduate students, and over 900 full-time instructional faculty. JMU offers strong liberal arts and professional programs in a variety of disciplines. The university is committed to innovation, superlative teaching and scholarship. JMU has achieved national recognition for the quality of its academic programs and has been repeatedly identified as a best buy for students.

The AACSB-accredited College of Business includes nationally ranked undergraduate and graduate programs. Five years post-graduation, Virginia residents attending the College had the highest return-on-investment of the 82 business schools included in Poets & Quants 2017 undergraduate business program ranking. In 2018, the Information Security MBA was recognized as #1 in the nation for the Best Online Information Security MBA Programs, and #16 in the Princeton Review’s list of the top 25 Online MBA Programs. The College includes the Center for Entrepreneurship, Center for Professional Selling, Small Business Development Center, Capital Markets Lab, Madison Consulting, and other programs focused on outreach and engagement with the business community. Our very successful alumni hold C-suite positions at major corporations including SAP, Fidelity, Bank of America, IBM, McKinsey & Company, Deloitte, KPMG, and other Fortune 500 companies and readily engage with the College. The faculty are teacher-scholars who are collaborative and supportive colleagues. The College has approximately 4,100 students in its AACSB programs and is highly regarded across the JMU campus community.

Our juniors spend a semester in an integrated course: COB 300 that’s team-taught by professors from every business discipline. This unique synthesis prepares them to understand
the interrelations of business systems, an incredible advantage over students from other schools. Our students learn to excel in group work because we know that employers demand it.
Computer Information Systems

Computer Information Systems is offered as a major through the Department of Computer Information Systems and Business Analytics. This program prepares business students for careers as information systems professionals. The program of study focuses on the development and management of information systems in a business environment. Students develop the technical skills and organizational insights required to analyze, design, implement and administer information systems. The CIS curriculum includes hands-on projects, laboratory exercises, case analysis and business simulations to build strong technical and analytical skills, effective oral and written communication skills, and the ability to work independently and in team-oriented environments. Students are offered the opportunity to gain practical technical experience through internships and co-op programs. For over twenty-five years, the undergraduate Computer Information Systems (CIS) program at James Madison University has successfully prepared young people for careers in IT management. CIS graduates are thriving in senior and mid-level management positions built on a foundation of solid technical skills, integrative business knowledge, and a professional network of loyal JMU alumni. The Computer Information Systems (CIS) curriculum is designed to prepare business students for careers as information systems professionals.

- Program Accreditation: ABET – IS program accreditation; AACSB – College of Business accreditation.
- Largest employers: Deloitte, Accenture, KPMG, PriceWaterhouseCoopers, IBM, Freddie Mac, Claraview, and EY (Ernst & Young).

Highlights
- AACSB-Accredited
- ABET-Accredited Program
- Strong Placement Rates
- Active & Experiential Learning Environment
- Top Ranked by Bloomberg Businessweek
ABOUT

Stevens Institute of Technology is a premier, private research university situated in Hoboken, N.J. overlooking the Manhattan skyline. Founded in 1870, technological innovation has been the hallmark and legacy of Stevens’ education and research programs for 145 years. Within the university’s three schools and one college, more than 6,800 undergraduate and graduate students collaborate with more than 380 faculty members in an interdisciplinary, student-centric, entrepreneurial environment to advance the frontiers of science and leverage technology to confront global challenges. Stevens is home to three national research centers of excellence, as well as joint research programs focused on critical industries such as healthcare, energy, finance, defense, maritime security, STEM education and coastal sustainability.

The School of Business at Stevens Institute of Technology leverages its institutional strengths in analytics, finance, information systems and management to provide a forward-looking business education that prepares managers for the future through an emphasis on technology.

National attention to the outstanding quality of a Stevens education continues to grow. Stevens is consistently ranked among the nation’s elite for return on investment for students, career services programs and mid-career salaries of alumni.
PROGRAMS

Master of Science in Business Intelligence & Analytics

The Master of Science in Business Intelligence and Analytics (BI&A) is a unique 36-credit STEM program designed for individuals who are interested in applying analytical techniques to derive insights and predictive intelligence from vast quantities of data. Graduates will have the skills to increase operational efficiency, improve financial performance and influence the strategic directions of organizations in the highly competitive world of "Big Data." The curriculum is a carefully articulated mix of courses on data, social networks, web analytics, statistics, optimization and risk management. The focus is on industry-specific applications in areas such as marketing, finance, pharmaceuticals, underwriting, manufacturing, information technology, telecommunications, energy and engineering. A unique program architecture aims to produce well-rounded graduates with strong professional, disciplinary and technical skills.

Master of Science in Information Systems

The Stevens MSIS program is a 36-credit graduate degree with special emphasis on understanding and using Big Data to drive sales, influencing customers through social media, managing IT projects, and streamlining organizational processes. The program consists of 3 core business courses, 6 core Information Systems courses, and 3 concentration courses in areas such as Business Intelligence & Analytics, Business Process Management, Project Management or Social Media. IT leaders and managers in the MSIS program will develop the technical, business, management, industry and interpersonal skills needed to lead organizational IT efforts, and respond to the challenges and opportunities therein. MSIS graduates know how to assess the Information Systems needs of an organization, can plan to meet emerging technology trends, and effectively lead from the intersection of business and technology.

Highlights

- Business Process Innovation
- Business Intelligence & Analytics
- Project Management
- On-Site, On-Premise, and On-Line Delivery
- 300 Students, 4000+ Alumni in major Fortune 500 organizations
ABOUT

The Department of Business Information Systems at Western Michigan University is housed in the Haworth College of Business and offers five majors:

- Business Analytics
- Computer information systems
- Electronic business marketing
- Health informatics and information management
- Telecommunications and information management

The department offers minors in business analytics, business mobile development and computer information systems.

In addition, the department's Business Communication Program supports the college's learning goal for students to become effective communicators through BCM 3700, Integrated Communication in Business, a course required of all business students, and BCM 4540, Inter-cultural Business Communication. In addition to teaching these courses, business communication faculty support the Haworth College of Business Communication Center.
With a business analytics major from Western Michigan University’s Haworth College of Business, you will play an increasingly important role as organizations seriously examine data. In order to deliver exceptional business performance, it is crucial that businesses actively analyze internal and external data to drive their decisions. Opportunities abound for tech savvy business people who know how to deal intelligently with data.

The business analytics major prepares students to succeed in a data-driven world, providing exposure to software platforms and techniques used to store, transform, manipulate, analyze and interpret small and large sets of data.

Highlights
- Gateway to a Growing Industry
- Professional Expert Instructors
- Internship Opportunities with Leading Companies

Bachelor of Computer Information Systems
The computer and software industry is rapidly growing, and a computer information systems major from Western Michigan University’s Haworth College of Business will provide you with a strong foundation in business principles, as well as extensive training in information technology—a winning combination that employers seek.

To succeed in this ever-evolving world, our program will instill practical skills to give you the broad and thorough business and technology knowledge you need for a successful career in the IT profession. Some of the many career opportunities include web and mobile application development, IT security, business analytics, database administration, customer relationship management and more.

Highlights
- 96% Placement Rate
- 100% Job Satisfaction
- Internship Opportunities with Leading Companies

Bachelor of Electronic Business Marketing
In this rapidly changing digital marketplace, an electronic business marketing major from Western Michigan University will give you the skills needed to prepare you for a career in e-commerce, digital marketing, mobile marketing, social media, and Web and mobile application development.

Created in response to significant industry and student demand, our program uniquely combines business, marketing and technical aspects of electronic commerce, providing you tremendous advantages in the employment arena. Through this major, you’ll have the opportunity to select either an information systems or marketing track, setting you on a path to success.

Bachelor of Health Informatics and Information Management
Western Michigan University’s multidisciplinary health informatics and information management program is designed to provide balanced education in the health sciences, health care informatics, information technology and management. The program prepares students to manage the acquisition, storage and retrieval of health information. Health informatics and information management majors are specialists in managing electronic medical records, design health information systems and lead value added activities for health administration.
Bachelor of Telecommunications and Information Management

Telecommunications and data communications are among the fastest growing fields in the U.S. economy today. The convergence in both areas necessitates a curriculum that is more reflective of the ongoing changes in the field. Western Michigan University has absolute confidence that our students will be among the best trained and uniquely sought after for the professional skills and knowledge base its telecommunications and information management program provides.

Master of Business Administration in Computer Information Systems

The Master of Business Administration (MBA) is an evening program designed to broaden the functional business knowledge and strengthen the leadership skills of working professionals as well as international students seeking to study business in the United States. It is also suitable for individuals with limited work experience who plan to use the MBA as a foundation from which to begin or resume their careers. The program seeks highly motivated college graduates who will bring their personal values, experiences, and interests to the classroom.
ABOUT

The Henry W. Bloch School of Management has been a leader in graduate business education in the Kansas City area for more than 50 years. Our programs in all areas continually adapt to meet the changing needs of our growing student population. Students hone skills to become innovative thinkers with an entrepreneurial spirit, whether they work for corporations or start their own business. Henry W. Bloch is the co-founder of tax empire H&R Block and considered to be one of the world's greatest entrepreneurs. He is not only the Bloch School benefactor, but also the role model for what we teach: He embodies the philosophy of working hard, generating wealth and success, and completing the continuum by giving back to the community through philanthropy and social entrepreneurship. The school opened a new building funded by the Bloch family in 2013.
PROGRAMS

Professional Master of Business Administration (MBA)

All of our MBA programs provide a rigorous foundation in business fundamentals. In addition, the Bloch School is known for its faculty expertise in the areas of innovation and entrepreneurship. The Bloch School has strong ties to the business communities in Kansas City and beyond.

Highlights

- decision support systems
- management of innovation
- social entrepreneurship
- MIS leadership
ABOUT

The study of information systems helps you understand how people, data, and technology work together within the business context. You will be able to apply what you learn to increase the effectiveness of business processes, secure organizational data, and enhance an organization’s overall competitiveness.

Enabling Strategy: IS for Business

Students in each of our programs graduate prepared to contribute to organizations of all sizes and purposes. They understand the business environment and how technology contributes to all aspects of organizational life. Our students are excited about what technology can do, have strong technical skills, and are ready to apply all they have learned to the next challenge. We offer a range of undergraduate and graduate programs:

- BBA in Information Systems
- BBA in Information Security and Assurance
- MS-IS
- Dual MSIS/MBA

We also focus our research and our application of theory in excellence nationally recognized center and two highly regarded labs:

- BrainLab
- Center for Information Security Education
- Modular Agile Deployment (MAD) Lab
- Visualization & Simulation Research

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Information Security and Assurance

Information security is the protection of the confidentiality, integrity, and availability of information while in transmission, storage, or processing. Information assurance concerns information operations that protect and defend information and information systems by ensuring availability, integrity, authentication, confidentiality, and nonrepudiation. This program spans both areas in its approach to the protection of information in the organization.

Information security and assurance is a fast growing industry, with a good employment outlook. If you enjoy critical thinking and problem solving, and can tolerate moments of stress, this may be a good career for you. Early career job titles include information technology specialist, data security administrator, information security analyst, information security specialist, information systems security analyst, and information technology security analyst.

“The National Security Agency and the Department of Homeland Security have designated Kennesaw State University as a National Center of Academic Excellence in Information Assurance/Cyber Defense Education with Focus Areas in 1) Security Policy Development and Compliance and 2) Systems Security Administration”.

Required Courses

- IS 3100 Information Systems Management
- ISA 3100 Principles of Information Security
- ISA 3010 Security Script Programming
- ISA 3200 Network Security
- ISA 3210 Client Systems Security
- ISA 3300 Management of Information Security in a Global Environment

Optional Electives (Pick 2)

- IS 3920 Application Development II
- ISA 3710 International Issues in Information Security & Assurance
- ISA 4330 Incident Response & Contingency Planning
- ISA 4350 Management of Digital Forensics & eDiscovery
- ISA 4700 Emerging Issues in Information Security
- ISA 4400 Directed Study
- ISA 4490 Special Topics in ISA

Highlights

- National Center of Academic Excellence in Information Assurance/Cyber Defense Education with Focus Areas in 1) Security Policy Development and Compliance and 2) Systems Security Administration

Information Security Certificate

The Information Security Certificate is designed for students with an interest in information security and its application in the expanding field of technology. The certificate program emphasizes the skills and knowledge necessary to protect and inspect systems, and to detect and react to threats to the security of information in those systems.

Courses

- ISA 3100 - Principles of Information Security
- ISA 3200 - Network Security
- ISA 3210 - Client Systems Security
- ISA 3300 - Management of Information Security in a Global Environment
- ISA 4330 - Incident Response and Contingency
Planning

Highlights

• Intended for those not seeking a degree

Information Systems

Where information technology and business meet, information systems (IS) professionals apply technology to support and even drive business strategy. If you have a desire to take responsibility for technology, are logical, and like to solve problems, Coles College of Business will help you build on your strengths to become a technology leader.

Required Courses
IS 3100 Information Systems Management
IS 3020 Application Development I
IS 3040 IT Infrastructure
IS 3060 Systems Analysis & Design
IS 3220 Global IS Project Management
IS 3260 Web Development I
IS 3280 Data Management
IS 4880 IS Capstone Course

Optional Electives (Pick 2)
IS 3080 Information Resource Management
IS 3560 Business Process Management
IS 3720 Advanced IT Project Management
IS 3740 Human Computer Interaction
IS 3760 Web Development II
IS 3920 Application Development II
IS 3940 Data Warehousing
IS 4540 Data Mining
IS 4560 e-Business Systems
IS 4860 Global Information Systems Strategy
IS 4400 Directed Study
IS 4490 Special Topics

ISA 3330 Information Security Approach to Crisis Management
ISA 3710 International Issues in Information Security & Assurance

Highlights

• Web and application development
• Systems analysis and design
• Database management
• IT project management.

Information Systems Certificate

The IS certificate offers KSU students knowledge and experience with the latest tools and technologies. Topics include web technologies, database technologies, and electronic commerce. Students are required to receive at least a “C” in courses in order to receive the certificate.

The IS certificate requires one foundation course in IS, three 3-semester-hour approved IS courses, and one 3-semester-hour applied learning experience, for a total of 15 credit hours.

This certificate is ideal for students who enjoy working with computers but do not wish to seek a degree in technology-related fields. It is also ideal for students who have already completed a bachelor’s degree and seek the latest IS expertise. Students with degrees in fields such as accounting, biology, foreign language, English, criminal justice, and sociology will find that the addition of these important IS skills will make them far more marketable.

Courses

Required: 6 hours
IS 2200 Experimental Elective (3hrs)

Electives (3): 9 hours
IS 3020
IS 3080
IS 3100
IS 3220

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Master of Science in Information Systems

The recently updated MSIS program offers three concentration areas: 1) Emerging Technologies and Skills, 2) IT Security and Assurance and 3) General Balanced. Students may further focus on their interests by choosing from one of the Capstone courses described above. Courses taken outside the IS department needs prior approval from the Program Director on a case by case basis.

Note: No more than six (6) credit hours may be taken outside the MSIS program.

Core Requirements (33 Credit Hours)

- IS 8005 - Informatics (Must be completed in student's first semester in MSIS)
- IS 8060 - Information Systems Development Methods and Technologies
- IS 8080 - Database Application Design and Implementation
- IS 8100 - Advanced IT Project Management
- IS 8200 - Legal and Ethical Issues in Information Systems
- IS 8310 - Governance, Risk Management, and Compliance
- IS 8400 - Enterprise Process Models
- IS 8600 - Global IS Management
- IS 8920 - IT Customer Relationship Management
- IS 8935 - Business Intelligence - Traditional and Big Data Analytics
- IS 8940 - Disaster Recovery/Business Continuity Planning

Capstone Experience Elective Course (3 Credit Hours)

Only one of the following six options can be taken for credit toward the MSIS degree.

- IS 8700 - Information Systems Policy and Strategy
- IS 8900 - Special Topics in Information Systems
- IS 8910 - Special Projects in Information Systems
- IS 8916 - Cooperative Education
- IS 8918 - Internship
- IS 8990 - Thesis

Program Total (36 Credit Hours)

Master of Information Security and Assurance Certificate

The graduate certificate program in information security and assurance is designed for both technology and non-technology graduate students.

Note: Currently enrolled graduate students can only count 3 of the 4 courses toward their existing degree. Students in a graduate certificate can only count 3 courses toward a graduate program.

Note: This certificate may be completed online. It encompasses four existing courses:

Security Management

- IS 8310 Governance, Risk Management, and Compliance

OR

IT 6823 Information Security Concepts & Administration

Security Technology

- IS 8320 Information Security Technologies

Contingency Planning

- IS 8330 Disaster Recovery/Business Continuity Planning

OR
MBA/MSIS Dual Degree Program

Acquire valuable skills necessary to be a technology leader in tomorrow's global business environment. The Coles College MBA-MSIS brings business strategy to technology projects and technological innovation to business challenges. By blending best business practices and strategic technology skills, students acquire the knowledge necessary to become qualified and capable leaders for cutting-edge global organizations.

Courses are delivered at times and locations which are convenient for the working professional. MBA courses are offered at both our Kennesaw Campus (one night a week, starting at 5pm or 8pm) and at the Coles College facilities at the Cobb Galleria complex (one night a week, starting at 6pm). IS courses are offered on the Kennesaw Campus.

Curriculum

The Coles College MBA-MSIS consists of 54 hours of graduate study, including 27 hours of business administration courses and 27 hours of information systems courses. Students are required to take the core courses from both the MBA and MSIS programs, plus one elective MBA course.

Master of Science in Healthcare Management and Informatics

The goal of the Master of Science in Healthcare Management and Informatics (MSHMI) program is to educate and produce a robust workforce that has the skills and knowledge of the intersecting domains of healthcare, management, and informatics. The MSHMI program is a premier interdisciplinary program spanning the Coles College of Business, Wellstar College of Health and Human Services, College of Science and Mathematics, and College of Computer Science and Software Engineering.

Core Requirements (33 Credit Hours)

HMI 7510 Introduction to Healthcare Management and Informatics
HMI 7770 Capstone in Healthcare Management and Informatics
HMI 7560 Management and Application of Electronic Health Records
HMI 7560 Management and Application of Electronic Health Records
HMI 7570 Healthcare Processes and Workflows
HMI 7590 Health Care Industry: Economics, Strategy, and Leadership
HMI 7610 Management & Ethics of Leadership in Healthcare
HMI 7620 Data Mining and Visualization in Healthcare
HMI 7520 Data Analytics via SAS
HMI 7540 Healthcare Information Systems Development
HMI 7550 Database Systems in Healthcare
HMI 7580 Governance, Risk Management and Compliance in Healthcare

Elective Course (3 credit hours)

HMI 7530 Data Analytics via R
IS 8100 Advanced IT Project Management
IS 8200 Legal and Ethical Issues in Information Systems
IS 8320: Information Security Technologies
HMI 8900 Directed Study in Healthcare Management and Informatics
HMI 8910 Special Topics in Healthcare Management and Informatics
IS 8330 Disaster Recovery/Business Continuity Planning
IT 6503 Foundations of Health Information Technology
IT 7113 Data Visualization

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Ph.D. in Business Administration

The PhD Program in Business Administration seeks to educate and train individuals to become outstanding scholars who excel in research, teaching and leadership positions at other academic institutions. The program is developed to provide significant flexibility, while providing the necessary skills to peruse research for publishing in highly rated peer reviewed journals. The research in Information Systems lies at the intersection of business and technology. The department has highly active publishing faculty in the areas of IS training, healthcare, security, data analytics among other areas.

Who considers a KSU PhD?

- Academic professionals, such as lecturers and adjuncts, who wish to establish a stronger academic presence and pursue a tenure-track position.
- Working professionals who wish to establish an academic presence, pursuing either faculty or administrative position

Profiles of existing students and alumni available on the website.

Foundation Course (3 Credit Hours)

IS 9001 Introduction to Research in Information Systems

Discipline Seminar Courses (9 Credit Hours)

IS 9002 Seminar in Information Systems Research
IS 9003 Seminar in Behavioral and Design Science Research
IS 9004 Seminar in Management of Information Systems Research

Business Research Methods Courses (12 Credit Hours)

BRM 9101 Foundations of Business Research
BRM 9102 Business Research Design and Analysis
BRM 9103 Advanced Business Research Analysis
BRM 9104 Qualitative Research Methods

Career Transition (3 Credit Hours)

CTS 9900 Career Transition Strategies

Dissertation Design (6 Credit Hours)

IS 9901 Research Methods and Dissertation Design I
IS 9902 Research Methods and Dissertation Design II

Dissertation Research (15 Credit Hours)

IS 9903 Doctoral Directed Study
IS 9904 Dissertation Research.
ABOUT

Florida International University is an urban, multi-campus, public research university serving its students and the diverse population of South Florida. We are committed to high-quality teaching, state-of-the-art research and creative activity, and collaborative engagement with our local and global communities.

Designated as a top-tier research institution, FIU emphasizes research as a major component in the university’s mission. The Herbert Wertheim College of Medicine and the School of Computing and Information Sciences' Discovery Lab, are just two of many colleges, schools, and centers that actively enhance the university’s ability to set new standards through research initiatives.
PROGRAMS

Management Information Systems

Graduates of the management information systems (MIS) are able to design, develop, and implement information systems to solve organizational problems effectively. This major provides students with the background they need to give informational support for decision-making in organizations and to understand the impact that information systems have on the business enterprise. We strive to prepare graduates for entry-level positions in the MIS profession in both user and system departments.

Highlights
- Business Analytics
- Business Systems
- Cyber-Security

Master of Science in Health Informatics & Analytics

The MS in Health Informatics & Analytics program is at the cutting edge of health informatics, an emergent field that looks at the intersection of people, processes and information in healthcare organizations. From data visualization to big data dashboards, students learn the latest information technology and management principles to prepare for high-demand careers as health informaticians.

This 14-month program is designed for information systems professionals, healthcare managers, physicians, nurses and other clinicians, as well as healthcare support personnel who want to learn how to use today's advanced information systems to create more efficient and productive healthcare environments. One of the only programs of its kind in South Florida, our MSHI&A focuses on technology adoption, change management, project management and process engineering, so you're ready to tackle "big picture" challenges.

There's no better way to build your expertise in the growing healthcare informatics and management field than through this exceptional Master of Science program.

Highlights
- Accredited
- Accelerated
- Selective group of students
- Diverse
- Fully online

Master of Science in Information Systems

This fast-track program is designed with guidance from the top information technology professionals and CIOs, taught by world-renowned faculty. Focus on a unique combination of technical and information technology management skills, and learn in-demand information technologies.

The Master of Science in Information Systems program assures you a strategic approach and experiential learning process to ready you for higher-level career challenges.

Highlights
- STEM
- Integrated technical and business curriculum
- Accelerated
- Student and faculty diversity
- Accredited

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GEORGIA COLLEGE & STATE UNIVERSITY

J. Whitney Bunting College of Business
Georgia College & State University
111 N. Clarke St., Campus Box 12
IS & CS Department
31061 Milledgeville
United States

Contact: Kevin Elder
Institution website:
www.gcsu.edu/business/iscs

ABOUT

From its founding as a women's educational center in 1889, our institution has consistently been a destination for students looking to make a difference in the world. We are Georgia's designated public liberal arts university and offer 37 undergraduate degrees and more than 25 graduate programs. More importantly, we teach every student how to learn and we strive to instill a lifelong passion for learning that serves our students well regardless of the career paths they choose. The main Georgia College campus is located in Milledgeville, a charming, traditional southern town less than a two-hour drive from Atlanta. There are additional campus locations in Macon and at Robins Air Force Base.

Value Statements

Georgia College is committed to providing:

An Expansive Undergraduate Educational Experience. Georgia College is committed to providing a residential liberal arts educational environment that invests in its students the extensive knowledge and strategic skills for them to thrive as productive citizens of a globally engaged democracy. Georgia College students experience multidiscipline intellectual encounters with both enduring and contemporary questions, intensive study in the major, and capstone experiences that integrate and apply learning.

Excellence in Graduate Education. Georgia College is committed to providing post-baccalaureate education that successfully pre-
pares graduates for professional advancement, life-long intellectual pursuits, and informed participation in today's complex society. In graduate and professional studies the rigor, quality, and relevance of our programs intentionally bridge the gap between theory and practice.

Challenging, Innovative Teaching. Georgia College is committed to teaching excellence in and beyond the classroom. Using a balance of evidence-based, innovative teaching, high-impact pedagogies along with meaningful student-faculty interaction, Georgia College develops students equipped to clearly, critically, and creatively address societal challenges.

Opportunities for Community Engagement. Georgia College values collaboration with community partners to address mutually identified needs and to promote public well-being through teaching, learning, scholarship, and outreach. Community engagement advances Georgia College students' academic and civic learning. It also helps them become more informed citizen leaders ready to serve the public good, locally and globally.

Preparation for Leadership. Georgia College is committed to promoting "Reason, Respect, and Responsibility" by deepening students' individual, group, and community values through greater understanding of self, promotion of reasoned and respectful discourse, and the development of engaged citizenship. Georgia College prepares responsible leaders capable of affecting positive social change in a pluralistic world.
The Management Information Systems (MIS) program at Georgia College develops in-depth hands-on knowledge and skills in the application of information technology to problems and opportunities in business and society.

The program is particularly well suited for students who enjoy solving problems while working with computer networks, software, database management systems, ERP systems, and e-commerce systems.

Our students get hands-on experience with technologies such as SAP, VB.NET, PHP, SQL Server and LabSim. Combining this with theory in analysis, design, project management, business intelligence, and data analysis produces graduates who are ready for today’s business environment.

MIS graduates typically work as project managers, information systems analysts, web development specialists, network administrators, database administrators, information systems security managers, and more.

Highlights

- All MIS graduates from GCSU take three courses in Enterprise Systems with Hands-on SAP experience in analytics.

Master of Management Information Systems (MMIS)

100% Online (Asynchronous/Synchronous Format)

The online hybrid format of the Master of Management Information Systems (MMIS) program blends asynchronous online learning with required synchronous online sessions scheduled from 5:30 to 8:15 pm EST approximately one night every other week of the semester.

Georgia College offers the only graduate management information systems program in middle Georgia.
ZICKLIN SCHOOL OF BUSINESS, BARUCH COLLEGE

Paul H. Chook Department of Information Systems and Statistics
Zicklin School of Business, Baruch College, CUNY
One Baruch Way
Box 11-220
10010 New York
United States

Institution website: zicklin.baruch.cuny.edu/faculty/info-systems-statistics

ABOUT

The Zicklin School of Business is the largest collegiate school of business in the US. Zicklin’s programs are accredited by the AACSB. Accreditation by the AACSB puts Zicklin in the class of the nation’s very best schools of business.

The Zicklin School offers degree programs leading to the Bachelor of Business Administration (BBA), Masters’ of Business Administration (MBA), and Masters’ of Science (MS).

Zicklin’s five-year undergraduate/MS degree program in accountancy meets the latest education requirements for the CPA exam.

The Zicklin “Full-Time MBA” program enrolls a select group of candidates whose credentials and average GMAT scores of 650 place them among the top students in the nation.

Zicklin offers multiple Executive Programs (MBA, MS in Finance, MS in Financial Statement Analysis and Securities Valuation), as well as International Executive MS Programs in Singapore, Taipei, and Paris.

Zicklin co-offers the Baruch MBA in Health Care Administration, which is accredited by the Commission on Accreditation of Healthcare Management Education (CAHME). Zicklin offers a joint degree program leading to the JD/MBA degrees in conjunction with both

The Zicklin School houses the City University's PhD in Business.

In 1998, the Zicklin School of Business was named in appreciation for a generous endowment from alumnus and financier Lawrence Zicklin, class of 1957.
PROGRAMS

BBA of Computer Information Systems

The BBA in CIS program at Zicklin provides a strong foundation in the business and managerial issues related to information technologies. Our students work in various domains such as finance, accountancy, marketing, and management—key areas where information technologies are applied.

We offer three tracks within the CIS major:

- If you would like to specialize in systems development or would like the flexibility of putting together a CIS major from the variety of CIS courses that we have available, this track would be suitable for you.

- Analytics, driven by large amounts of data and computing resources, is recognized as a source of value and competitive advantage. Analyzing large data sets, including both structured and unstructured data—often referred to collectively as big data—is becoming a critical basis of competition, underpinning new waves of improved decision making and innovation. Organizations around the world are struggling to develop the know-how to aggregate, analyze, and monetize the growing surge of available data. The new track—Data Science and Analytics—would provide a strong foundation in technology, statistics, and quantitative modeling that is needed to develop business intelligence and drive organizational decision-making.

- Increase in the number of cyber attacks on organizations of various forms and sizes underlines the acute need for professionals who understand various aspects of cyber security. The new track—Information risk management and cybersecurity—would provide a strong foundation in networking, computer security, data integrity, and software development that is needed to develop and secure an organization's IT infrastructure.

Highlights

- diverse student body
- great value
- urban setting

MBA

Zicklin's MBA allows students the flexibility to design a program to suit their career objectives whether they are part-time or full-time, whether they have an undergraduate business degree or not, and whether they are switching careers or moving up in their existing careers. Students do not select a major but can choose any courses beyond the core that fit their career needs.

Highlights

- diverse student body
- great value
- New York city based
- flexible program

Master of Information Systems

The Master of Information Systems was recently revised to provide more elective choices and to include a concentration in data analytics. These changes are pending approval of the CUNY Board of Trustees and the New York State Education Department, effective in spring 2017. Meanwhile, we are advising students admitted in fall 2016 to select their first term courses based on these pending changes.

Today's competitive business environment requires technologies that provide companies a strategic edge and enable businesses to run at maximum efficiency. The information systems majors provide students with the managerial and technological skills that support these goals.

Two degree programs are offered: the Master of Science in Information Systems and the Master of Business Administration in Information Systems.

The MS program provides a concentration in Information Systems focusing on concepts,
strategies, and techniques necessary for this dynamic field. The program focuses on business areas driven by information technologies, including database management systems, e-business development, and analysis and design. The MS also provides study in other areas of interest, such as information technology in the financial markets and IT project management. The MS provides more in-depth treatment of information systems, compared to the MBA.

Highlights
- diverse student body
- great value
- one-year program
- New York technology industry

PhD in Information Systems

The primary objective of the PhD program in Information Systems (part of the Ph.D. program in Business) is to prepare Information Systems scholars for careers as researchers and educators. The program provides a strong foundation for researchers with courses and practice in various research methodologies, tools and approaches for statistical analysis, critical thinking, academic paper writing, and other research-specific skill sets. Students also acquire extensive knowledge in current Information Systems research in various areas such as electronic markets, e-commerce, global information systems, business intelligence, financial information systems, human-computer interaction, and information systems development, among others. Our doctoral students generally receive full financial support during their studies, including full tuition support.

One of our program’s strengths is its diversity. Our students come from different backgrounds and different parts of the world and they work with faculty that specialize in a variety of research areas. During their first two years in the program, the students take various doctoral-level courses that provide them with the knowledge and skills necessary for successfully completing their dissertations. They also begin working on research projects with multiple faculty members, starting in their first semester in the program. As a result, they engage in active research and they begin publishing research papers as soon as possible.

We are proud of the accomplishments of our program’s graduates who have obtained employment as faculty in various academic programs around the country and the world, as well as those who have continued as researchers in the industry.

Highlights
- low student-to-faculty ratio
- work with top researchers
- no cost program
- great placement record
ABOUT

Established almost thirty years ago, the Information Systems and Technology program in the Strome College of Business at Old Dominion University offers a unique combination of business knowledge and technical skills that prepare undergraduate students for success in the highly competitive and increasingly technical business world of the twenty-first century. Students who complete the Information Systems and Technology major as part of their Bachelor of Science in Business Administration undergraduate degree will gain knowledge in the traditional business areas of Finance, Marketing, Accounting, Production/Inventory Operations, and Economics. In addition, students in the major will acquire extensive knowledge and skill in the areas of computerized automation and information systems development.
PROGRAMS

Bachelor of Science in Business Administration - Enterprise Cybersecurity

The enterprise cybersecurity major is designed to provide students with a technical background in cybersecurity technology as well as a broad perspective of the business environment in which cybersecurity plays a critical role. The major emphasizes programming, business analysis, networking, enterprise architecture and cyber defense skills; these skills can provide a basis for job entry, career development and flexibility amid the rapid changes in cybersecurity vulnerabilities and threats.

Highlights

- Cybersecurity

Bachelor of Science in Business Administration - Information Systems and Technology

Prospective students should understand that the Information Systems and Technology program at Old Dominion University sets itself apart from many other programs in its commitment to providing a balanced education between the highly integrated fields of general business and Information Systems and Technology. Our program provides you with a fundamental understanding of business operations, coupled with advanced technical skill in such areas as relational databases, computer networking, cybersecurity, and computer programming. These technical skills are then augmented with instruction in the sophisticated tools and techniques needed to successfully integrate them into today's dynamic business environments. It is this balanced emphasis on all aspects of systems work that prepares you for the demands of a business community that increasingly understands that today's business graduates need to understand both information technology and the complex world within which it is utilized.
ABOUT

The MIS division includes a vibrant group of faculty, staff and students, collaborating to develop student skills, research and advance knowledge on information technologies for organizational use. Since its inception in 1995, the division has grown and thrived as a place for high quality information technology education and research, offering undergraduate, graduate and doctoral programs in MIS. The division has an active industry-academia partnership through the Center for MIS Studies. Member companies collaborate with faculty in research and teaching, recruit MIS students and help in curriculum development that is cutting-edge. With this industry support and full engagement of faculty, students and staff, MIS programs are of high quality and are nationally ranked. The Graduate program is currently ranked in the Top 25 graduate programs in Business Data Analytics in the country, by The Financial Engineer Times (TFE), and the MIS undergraduate programs have been ranked among the Top 20 programs in the nation by US News and World Report. The doctoral program has a good placement record, is supported by seasoned researchers and the overall research productivity of the division in the last five years in Information Systems Research and MIS Quarterly ranks in the top twenty in the US.
PROGRAMS

BBA, BBA+MS,

We have a successful BBA in MIS with strong internship and placement opportunities and strong relationship with industry partners through the center of MIS studies. We also have a BBA+MS where students can earn a undergraduate and graduate degree in IT within 5 years. At the graduate level the current emphasis is data analytics but other tracks are available.

Highlights

- scholarships, internship, Industry partnership, high quality, good placement

Doctoral Program in Information Systems

MS -MIT, MBA+ MS MIT, BBA+MS MIT

The Master of Science in Management Information Technology (MS-MIT) program, a STEM designated program, is ranked in the top 25 Business Analytics Program in the country. There are several pathways to complete this program that equips students with technical and analytical skills, as well as business process knowledge that are necessary to help design and add value from Information Technology.

Highlights

- STEM, Scholarships, Internships, Industry partnership
ABOUT

The College of Information Science and Technology (IS&T) is innovative. It's collaborative. It's dedicated to improving the world we live in and the ways we interact with technology.

The University of Nebraska Omaha offers the best available resources to help make this happen, including strong ties with industry and community leaders in metropolitan Omaha. Our dedicated faculty is a source of great pride for the college, both in the classroom and in the research lab. We also take pride in our students, who are some of the top competitors in IT.

If we sound proud of who we are, that's not by mistake. Here are some of the reasons why—and why you should choose UNO.

Pioneering Research

UNO offers the best of a metropolitan research university. It's little wonder that the College of IS&T was awarded more than $6 million in grants between August 2011 and July 2012. Research interests in IS&T are as diverse as the many disciplines involved in the college, and some faculty have achieved national recognition for their work. Take Associate Professor of Information Assurance Dr. Robin Gandhi, whose research in information assurance and risk assessment has made him a popular media source for stories about smart phone data usage and privacy.
Challenging Curriculum

Technology evolves, and the College of IS&T is continually evaluating our curriculum to ensure we stay ahead of the curve. Some fundamental courses always remain, while others reflect changing times. Learning opportunities extend beyond the classroom and into the work environment. More than 80 percent of IS&T students have internships in their field, and a majority of them are paid.

Part of the Community

What good is a metropolitan campus if it's not part of the community? The College of IS&T is trying to make the world aware of important technology issues that affect our future. One example is NULLify, a student run cybersecurity group that hosted a Capture the Flag (CTF) hacking competition for area high schools, alerting potential IS&T students to the nuances of information assurance, a potential area of study.

Prepared to Thrive

Upon graduation, IS&T graduate students earned $10,000 more than the average UNO graduate student. Nearly 80 percent of IS&T’s 2013 graduate students were employed full-time immediately after graduation or were continuing onto a M.S. or Ph.D. program.
PROGRAMS

Management Information Systems

The Bachelor of Science in Management Information Systems (BIS) degree will provide students with the educational background for pursuing an exciting career in applying computers in business and government to process data and solve a wide variety of business problems. Our BIS majors earn a degree with 120 credit hours with a strong IS/IT emphasis. In fact, since nearly half the BIS degree consists of IT oriented classes that range from managerial to technical, our students are technically strong and managerially savvy. Students get paid internships early in the program and graduate and work in areas such as programmer analysts, data analytics, business intelligence, management information systems, information support staff, systems analysts, information security managers, electronic commerce specialists, web developers, and much more.

Highlights

- Technical core
- Managerial emphasis
- Project based learning

Management Information Systems

The Master of Science in Management Information Systems (MIS) degree is designed to provide our students the skills and background needed to develop and manage an organization’s information resources, technology, and infrastructure. It serves as a source of added knowledge and experience for MIS graduates and practitioners interested in obtaining an advanced degree. It also provides career growth opportunities for the non-MIS and non-business degree holders who find that their careers demand graduate level MIS education.

Students educated in the program will be qualified for a variety of business system analyst, MIS analyst, consulting analyst, and technology management positions. They will also be qualified for admission to doctoral programs in information systems studies. A community advisory committee helps keep the program current with the needs of the business community.

Highlights

- Dual Degree Programs
- Project based learning
- Applied
- Concentrations available
- Certificates
Joseph M. Katz Graduate School of Business and College of Business Administration

UNIVERSITY OF PITTSBURGH

Joseph M. Katz Graduate School of Business and College of Business Administration
University of Pittsburgh
Roberto Clemente Dr
15260 Pittsburgh
United States

Contact: Arjang Assad
Institution website:
www.business.pitt.edu/katz/

ABOUT

The Joseph M. Katz Graduate School of Business and College of Business Administration leverages the opportunities created by our urban location and strong research culture to prepare students to be catalysts for change. Our mission is to merge communities of knowledge with communities of practice to create exceptional experience-based learning outcomes for students and relevant insights for business leaders.

The Katz MBA program was established in 1960, although the business school’s roots go back to 1907, with the University of Pittsburgh’s Evening School of Economics, Accounts, and Finance. Katz was the world’s first to offer a one-year MBA program. That spirit of innovation guides us today and is reflected in the life’s work of the school’s namesake: the late Joseph M. Katz, a consummate entrepreneur, businessman, and Pittsburgher.

Katz graduates form a worldwide network — 23,000 Katz alumni live and work in more than 90 countries. That is to say nothing of the broader reach of the University of Pittsburgh, a world-respected leader across virtually all disciplines. That includes the undergraduate College of Business Administration, whose
annual enrollment tops 2,000 students, and complements the nearly 1,000 students in Katz’s master’s and doctoral programs.

Led by Dean Arjang Assad, the rigorous academic programs at Katz are based upon four key principles:

- Katz graduates make an impact on day one because credit hours are "ramp up" time. Our students learn from entrepreneurial faculty. They prep for the day-to-day demands of business through Consulting Field Projects, fellowships, professional development training, internships and co-ops, and national case competitions.

- Through Pitt, students and faculty have opportunities to an abundance of cross-disciplinary collaboration. Additionally, at every stage, Katz students serve on cross-functional teams and complete group projects. We’re molding a new breed of leader: The open-minded contributor who is ready for any challenge.

- Business agility is a must for businesses and individuals. Our flexible framework enables students to load up on electives, and pursue interdisciplinary certificates and joint or dual degrees. Katz offers a certificate program in Technology, Innovation, and Entrepreneurship that prepares students for product development, new venture initiation, and product commercialization, among other areas.

- Globalism. The Katz International Business Center provides access to an array of international business opportunities. Additionally, Katz offers a Global Management Certificate and two joint degree options with Pitt’s Graduate School of Public and International Affairs. In global commerce, the efficient coordination of the supply chains creates value.
Technological innovations enable new strategies, products, and distribution channels while increasing efficiency and productivity in all industries. Success in the 21st century requires that business managers and analysts understand what technologies are available in the marketplace and how these technologies can lead to competitive advantage, staying competitive, and to new business products, services, and models. Therefore, it is necessary that managers understand how IT interacts with business strategies, organizations, and customers, and it is essential that businesses manage their portfolios of IT investments accordingly.

Through the Pitt Business Business Information Systems (BIS) major, students will develop the abilities to partner with, or contribute to, IT-enabled business strategy, operations and projects in a variety of ways, including, but not limited to:

- Evaluating new information technologies, business models, and their implications
- Understanding the relationships between competitive advantage and information technologies
- Assessing a business or business area to recognize where process improvements can be made
- Eliciting and identifying requirements
- Communicating effectively with consumers, managers, analysts, business partners, and IT professionals
- Modeling needs, processes, and data
- Managing data as an asset
- Managing processes

Master of Science in Management Information Systems

http://www.business.pitt.edu/katz/ms-programs/MIS

At Katz, we believe two things to be universally true: Business never stops reinventing itself, and neither should you. Our rigorous, experience-based learning curriculum gives students the business agility needed to thrive in a world defined by speed and volatility.
Master of Science in Management Information Systems

Information technologies evolve rapidly and change how businesses operate, compete, and generate value. Companies are seeking professionals who possess the unique combination of information technology and business skills to help them meet the challenges of the information economy. These professionals need to understand both the big picture of business and the role of technology in enabling business innovation.

For nearly thirty years, the Joseph M. Katz Graduate School of Business has prepared its MIS graduates to envision, evaluate, and execute technology-based solutions for critical business challenges. The 30-credit Master of Science in Management Information Systems can be completed in nine months, from August through April. The program also has a part-time option, however, part-time study may extend the length of study needed to complete the degree. Students will take core and elective MIS courses (combined for a minimum 19.5 credits) that provide depth and business-oriented elective courses (maximum 10.5 credits) that provide breadth.

The MS-MIS is a STEM degree program. International students enrolled in the standalone MS-MIS and the dual degree MBA/MS-MIS are eligible to apply for a 24-month STEM Optional Practical Training (OPT) extension. With the OPT extension, international students graduating from the programs will be eligible to work in the U.S. for a total period of 36 months before switching to other employer-sponsored visas such as H1-B.

The MS of Management Information Systems Emphasizes:

- A fundamental understanding of the strategic and transformational role of information technologies in business
- The skills required to execute and manage complex information technology projects
- A study of the critical factors that shape the information economy such as digital platforms, technology adoption and diffusion, and user behavior in digital environments.

MBA/Master of Science in Management of Information Systems

Transform your work life in just 20 months with the University of Pittsburgh's MBA/Master of Science in Management of Information Systems (MBA/MS-MIS) Dual-Degree Program. For nearly 30 years, the Joseph M. Katz Graduate School of Business has prepared its MBA/MS-MIS graduates to envision, evaluate, and execute technology-based solutions for critical business challenges.

Consistently ranked by U.S. News & World Report as one of the nation's top 20 MBA/MS-MIS dual-degree programs in the United States, this program is for professionals with several years of work experience who want to obtain a deep understanding of IT issues as well as the integration and interdependence of IT and business.

Develop specialized expertise in areas such as IS management, supply chain management, customer analytics, healthcare and IS, and new venture creation and business development.

The MS-MIS is a STEM degree program. International students enrolled in the MBA/MS-MIS dual degree program are eligible to apply for a 24-month STEM Optional Practical Training (OPT) extension if their job offers are in the information systems area (software engineer, developer, IT project manager, program manager, product manager, IT consultant, business process analyst, software quality manager, IT-business analyst, data scientist, etc.). With the OPT extension, international students graduating from the MBA/MS-MIS program will be eligible to work in the U.S. for a total period of 36 months before switching to other employer-sponsored visas such as H1-B.

Degree Requirements

Upon formal admission to the MBA/MS-MIS program, a student must fulfill the following requirements in order to receive both degrees of this dual-degree program:

- A minimum of 66 credits of approved graduate-level coursework (MBA: 36 + MIS: 30)
- The appropriate distribution of required core courses and elective courses

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A minimum cumulative quality point average (QPA) of 3.0

In the MBA/MS-MIS program, you will have the opportunity to take more than 30 courses (66 credits) taught by the world-class Katz faculty, including:

- The management core (22.5 credits), which builds your foundation in strategic management, decision technologies, financial management, organizational behavior, marketing, statistics, economics, and accounting;

- The IS core (13.5 credits) that delivers an in-depth IS education and expands your knowledge with Project Management; Database Management; and Business Systems Platforms

- An extensive portfolio of MBA and IS electives (30 credits) that build focused concentrations in finance, strategy, marketing, and human resources.

**MBA - Information Systems and Technology Management Concentration**

At Katz, we prepare students for a business world that is constantly changing. Our MBA program is rooted in experience-based learning. We transform students into business leaders who practice globalism, collaboration, and innovation.

Katz gives students the best of both worlds. Students receive a comprehensive business education and choose a core business area of specialization. They develop the strategic mindset to think big picture and possess the expertise that adds immediate value to a company.

**Achieve More**

Our program is designed to help focused individuals advance or change their careers. Katz offers the personalized attention of a small school, but is a part of something big: the University of Pittsburgh, which is a large research institution situated in a major U.S. city. In 2011, 90 percent of Katz students received job offers within 90 days of graduation. Some work for Fortune 500 companies with offices in Pittsburgh and others move to cities across the world.

**Make Lasting Connections**

The networks students build at Katz are enduring. Our award-winning faculty members mentor students and provide guidance that pays long-term dividends. Our 23,000+ alumni reside in nearly 90 different countries and help open doors for Katz MBAs. Our Career Management team has established strong relationships with corporate recruiters and business leaders, making both groups a regular presence on the Katz campus.

**Learn by Doing**

Experience-based learning is the backbone of the Katz curriculum. Many of our students complete Consulting Field Projects, which give them the opportunity to work as management consultants, sometimes for multi-billion-dollar companies. Our finance classes are held in our Financial Analysis Lab, a 3,000 square-foot facility that, much like a Wall Street trading room, has a running ticker, tote boards, and bank of computers loaded with analysis software. Students grow their understanding of international business by studying abroad or by completing a Global Research Practicum.

**Stand Out from the Competition**

At Katz, students enhance foundations in the business fundamentals by selecting a concentration. We offer concentrations in finance; information systems; marketing; operations management; organizational behavior and management; and strategy, environment, and organizations. Katz also gives students the opportunity to further refine business talents by completing a certificate. Katz MBA Certificates include: Global Supply Chain Management Certificate; Technology, Innovation, and Entrepreneurship Certificate; Organizational Leadership Certificate; Global Management Certificate; Corporate Valuation Certificate; Corporate Financial Management Certificate; Investments and Trading Certificate; Project Management Certificate; Digital Marketing Certificate.

**The Information Systems Concentration Track**

Students specializing in MIS are typically hired into functional areas such as Business Analysis, Data Analysis, Data Science, Product Development, Project/Program Management, and Service Management. Classes explore fundamental technologies such as Database Management as
well as cutting edge techniques such as Data Science with Python and R programming languages. Students are encouraged to consult their academic and faculty advisors for designing customized curricular tracks to ensure their future success.

Highlights

- youtube.com/watch?v=t-tPKj-JXHw
IDAHO STATE UNIVERSITY

Informatics and Computer Science
Idaho State University
921 S. 8th Ave., Stop 8020
83209 Pocatello
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ABOUT

Idaho State University, a Carnegie-classified doctoral research and teaching institution in southeast Idaho, offers high quality but affordable education. Large enough to offer diversity and over 280 academic programs, but small enough to ensure small classes that give students the opportunity to establish close academic relationships with professors, ISU is the ideal size to make students feel valued and nurtured while being prepared to succeed in their future careers. Professors are highly accessible and enjoy working closely with individual students to help them develop their skills and knowledge. Students appreciate the opportunity to interact with professors who are dedicated to helping students align their educational goals with their career objectives.

Idaho State University was founded in 1901, and attracts students from around the world to its Idaho campuses. At the main campus in Pocatello, and at locations in Meridian, Idaho Falls and Twin Falls, ISU offers access to high-quality education to over 13,000 students. Idaho State University is the state’s designated lead institution in health professions and medical education.

The Informatics and Computer Science department offers a Master of Science in Health Informatics as well as an MBA concentration, undergraduate degrees in Business Informatics, Health Informatics, and Computer Science, and a variety of minors and certificates. Our degrees prepare our graduates to handle a broad range of informatics or CS related employment opportunities. Our programs focus on developing the competencies and skills needed to work with leading edge technologies as well as to implement process change, system design, and management within a broad spectrum of industries, all the while learning and adapting to keep pace with ever-changing technology. The College of Business at Idaho State is AACSB accredited.

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PROGRAMS

Business Informatics

Our Business Informatics program is unique in its emphasis on the breadth and depth of technical preparation. The curriculum is highly technical, sharing core courses with our computer science program, and has a strong emphasis on developing secure software, database design, and information assurance. Technical knowledge is augmented with a suite of core business courses in areas like management, accounting, finance, marketing, and business law. This range of preparation produces graduates competent for both managerial as well as technical roles. There are few informatics degrees of comparable quality.

The Informatics department consists of ten faculty members with interests in information security and privacy, social networking, business intelligence, health informatics, and data analytics. The curriculum evolves constantly, because informatics changes and develops rapidly, and courses must therefore be constantly revised and reconsidered.

Informatics classes at ISU tend to be small, with an average of 25-45 students in core classes and 10-30 students in informatics courses. Unlike many universities, ISU classes are taught by professors, not teaching assistants. Professors are highly accessible and are dedicated to helping students align their educational goals with their career objectives.

Computer Science

Like most Computer Science programs, our program prepares students to design and implement software systems and the develop algorithms used to solve real world problems in business, industry, and engineering. Our curriculum focuses on implementing large, complex, high-performance, secure, asynchronous systems that require complex algorithms and intricate data structures including network, operating system, compiler, graphics and simulation packages.

While many of our CS graduates enter the workforce as systems software developers, even more are hired by businesses to build applications software. As such, CS graduates require a better knowledge of the business context of the systems being developed than they would acquire if limited to only CS courses. Our CS majors gain exposure to concepts like business rules, varied stakeholders, and business requirements elicitation. They also learn the importance of accounting and financial data, and gain a better awareness of the importance of written and oral communication. Our CS graduates are better prepared to develop both traditional systems software and business application software.

Health Informatics

The Health Informatics undergraduate major is designed to enable graduates to enter careers in information systems usage in healthcare organizations. Information systems play an increasingly important role in the burgeoning healthcare field.

ISU’s Health Informatics program has several features that differentiate itself from similar degrees. Our program has three faculty members dedicated to Health Informatics research and teaching, is a joint offering between an established, accredited College of Business and a prestigious Division of Health Sciences, has a health informatics practicum as its cornerstone, and is designed for maximum degree-selection flexibility. Given its foundation of informatics, our Health Informatics degree is technically rigorous to prepare our graduates to handle a broad range of health informatics-related employment opportunities. This program focuses on developing the competencies and skills needed to work with leading edge technologies as well as to implement process change, system design, and management within the unique constraints and practices associated with the healthcare industry.

Informatics classes at ISU tend to be small, with an average of 25-45 students in core classes and 10-30 students in informatics courses. Unlike
many universities, ISU classes are taught by professors, not teaching assistants. Professors are highly accessible and are dedicated to helping students align their educational goals with their career objectives.

**Master of Health Informatics**

The Master of Science in Health Informatics (MSHI) helps bridge the long-standing gap between the medical and administrative knowledge possessed by healthcare personnel and the information technology knowledge possessed by technologists.

ISU's Health Informatics program has several features that differentiate itself from similar degrees. Our program has three faculty members dedicated to Health Informatics research and teaching, is a joint offering between an established, accredited College of Business and a prestigious Division of Health Sciences, and has a health informatics practicum as its cornerstone. Given its foundation of informatics, our Health Informatics degree is technically rigorous to prepare our graduates to handle a broad range of health informatics-related employment opportunities. This program focuses on developing the competencies and skills needed to work with leading edge technologies as well as to implement process change, system design, and management within the unique constraints and practices associated with the healthcare industry.

**Highlights**

- Affiliated with Division of Health Sciences
- Includes Health Practicum
- Specialized faculty
- Technically rigorous
- Affiliated with the National Center for Women & Information Technology (NCWIT) Academic Alliance

Each curriculum is made up of courses designed to provide students with the strong technical background needed to develop solutions to today's information challenges.

Informatics refers to the application of information systems to a particular domain, such as business or health care. In a nutshell, informatics focuses on developing software and hardware systems that allow the target domain to function more effectively from an IT perspective, in effect providing an organization with a competitive advantage based on superior information technology.

**Highlights**

- Classes at ISU tend to be small, with courses in upper division informatics courses averaging 10-30 students.
- Classes are taught by professors rather than teaching assistants.
- Professors are highly accessible and enjoy working closely with individual students to help them develop their skills and knowledge.
- All professors have professional experience in the computing industry prior to entering academia.
- All faculty have been very carefully selected for their in-depth knowledge of their field, but also for their helpful and caring personalities. Students are our top priority, and our focus is on maintaining a dynamic, open, rich context for student learning.

**Overview**

The ICS department offers undergraduate degrees in **Business Informatics**, **Health Informatics**, and **Computer Science**, and a **Master of Science in Health Informatics**. Additional graduate program proposals are in the development stages. The department even offers an **Informatics Post-Baccalaureate Certificate**.

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Information Systems

VIRGINIA COMMONWEALTH UNIVERSITY

Information Systems
Virginia Commonwealth University
301 W. Main Street
P.O. Box 844000
23284 Richmond
United States

Contact: Lemuria Carter
Institution website: www.isy.vcu.edu
EDUGlopedia: eduglopedia.org/information-systems-virginia-commonwealth-university

ABOUT

The mission of the Department of Information Systems is to provide quality education through undergraduate and graduate programs, and continuing professional development initiatives that: 1) prepare IS students for professional and academic careers in the field of information systems; 2) provide business information systems concepts to School of Business majors and other students of all types; and 3) encourage and build active partnerships between the academic and private/public sectors. Continuing scholarship and professional growth contributing to the knowledge-base of the discipline are central to the mission.

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The mission of the Bachelor of Science in Business with a major in Information Systems in the Department of Information Systems is to provide a curriculum of relevant information systems knowledge, which prepares IS students for professional careers in the field of information systems in the business environment.

The technical education trend today is moving increasingly toward programs that teach deep technical skills along with business acumen to prepare students for the tasks facing IT professionals today. The major in Information Systems curriculum is among the most comprehensive and technically oriented programs available. All students receive a breadth of exposure to fundamental and specialized area (of their choosing) of Information Systems. VCU’s Bachelor of Science in Business with a major in Information Systems prepares our students for success upon graduation.

Highlights

- The Bachelor of Science in Information Systems program is accredited by the Computing Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET)

Executive Master of Information Systems

Through coaching, mentoring, leadership development, and curriculum developed and delivered by and for IT Leaders, VCU’s EMSIS program helps students foster the skills required to influence peers and executives. Students learn about themselves and their leadership style. They learn how to communicate and they learn how to listen. In addition, students build a network of high powered IT professionals and leaders. Most of all, students gain the confidence to take on new leadership roles and responsibilities. All in just over one year, without taking time off from their careers.

Highlights

- Each year, the EMSIS class culminates with a week long international learning experience.
- The program offers one-on-one mentoring.

Master of Computer and Information Systems Security

The Master of Science in Computer and Information Systems Security, jointly offered by the Department of Computer Science in the School of Engineering and the Department of Information Systems in the School of Business, is designed primarily for students interested in professional roles in business, industry or government. Program graduates will serve as leaders within the computer and information systems security community and as strategic partners within the enterprises in which they work. They will stay attuned to, and anticipate changes in, the computer and information systems security environment and ensure that security solutions create a sound, competitive, cost-effective advantage for the enterprise.

Master of Information Systems

The Master of Science program in Information Systems is designed to prepare students for specialized roles in information systems. The MS program is offered in both the traditional semester format reviewed on this page, and an executive (alternate weekend) format.

The traditional semester format Master of IS program (viewed below) is intended to prepare students for senior level positions, planning, organizing, managing, designing, configuring and implementing information systems, using state-of-the-art technologies, methods, techniques, and tools. This program provides a graduate level, technically-oriented curriculum.

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that focuses on the design and development of information systems to solve real-world problems. Also, students of this program have the option of pursuing a concentration in Information Risk, Security, and Assurance.

**Ph.D. in Information Systems**

The educational objectives of the Information Systems (IS) concentration within the VCU School of Business PhD program are:

- To develop the abilities of students to contribute to the advancement of information systems knowledge through high quality discipline based scholarship;
- To prepare students to teach subsequent generations of information systems students and business students in general;
- To place graduates in positions at institutions engaged in basic research in information systems, which optimally support their continued contributions to the knowledge needed for effective information systems research and teaching in the future; and
- To prepare students to serve the extant information systems community.

**Highlights**

- Our doctoral seminars are taught by world renowned IS researchers, including a LEO Award winner.

**Post-baccalaureate certificate in Information Systems**

The Post-baccalaureate Certificate in Information Systems is designed for students who hold bachelor's degrees in fields other than information systems and who wish to continue their education in information systems and possibly aspire to a master's degree.

Successful completion of the program provides numerous employment opportunities within business and government organizations as programmers, systems analysts, software analysts and network analysts.
The business and information technology department combines two of the factors most critical to a successful organization: knowledge of business disciplines and information technology expertise. As a student in the program, you'll develop a firm foundation in finance, operations, marketing and information technology, whether majoring in business and management systems or information science and technology.
All graduate courses toward a master’s in information science and technology are now being offered online using the program’s state-of-the-art virtual classrooms. As a student in the program, you can choose to interact directly with your professors and fellow classmates during a lecture or view materials at a later time that better fits your schedule.

Highlights
- #8 Best Online Graduate Computer Information Technology Programs (US News & World Report)
- #2 for Online Big Data Programs (Value Colleges)
- #22 for Best Online Graduate Business Programs (for our MS IST, US News & World Report)

PROGRAMS

Bachelor of Information Science and Technology

The business and information technology department’s Bachelor of Science in Information Science and Technology features courses in big data, business analytics, business intelligence, cybersecurity, data communication and networking, database management and warehousing, electronic and mobile commerce, enterprise resource planning, human-computer interaction and user experience, and systems analysis, design, and development.

The program provides students with the necessary skills to connect people and technology in today's workforce.

Master of Information and Science Technology

The business and information technology department’s Master of Science in Information Science and Technology is designed to educate students about the design, development, and successful application of information systems in organizations. Research experiences are integrated into the classroom experience, with specially equipped research laboratories available to support studies in human-computer interaction and experiments with computer networks. A large number of computing languages and special-purpose software tools are available on various platforms.

www.eduglopedia.org
Computer Information Systems, College of Business

Louisiana Tech University
502 W. Texas Avenue
P.O. Box 10318
71272 Ruston
United States

Institution website:
www.business.latech.edu/cis/
EDUglopedia: eduglopedia.org/computer-information-systems-college-of-business-louisiana-tech-university

ABOUT

The goal of the Louisiana Tech Computer Information Systems (CIS) Program is to produce students with the skill set necessary to lead in the ever dynamic information technology (IT) field. Louisiana Tech's CIS graduates contribute daily to some of the most respected and influential organizations in the nation. Exxon-Mobil, CenturyLink, IBM, Murphy Oil, Department of Homeland Security (DHS), the Federal Bureau of Investigation (FBI), and the Central Intelligence Agency (CIA) have hired many recent graduates with starting salaries ranging from $40,000 to $78,000. In addition, many North Central and Northwest Louisiana businesses have hired Louisiana Tech graduates. The CIS program prepares students for many possible career paths across a broad spectrum of information technology. The program has gained national recognition for efforts in information assurance with an Information Systems Security Professional Certificate Program that is certified by the National Security Agency (NSA). This certificate program can be completed simultaneously with the CIS Bachelor's Degree.
PROGRAMS

Computer Information Systems

The Department of Computer Information Systems in the College of Business at Louisiana Tech University boasts a curriculum that prepares students for careers working with information technology in business. The effective application of information technology can be used by organizations to gain a competitive advantage. The CIS curriculum stresses the application and use of information technology in the business environment. It provides learning experiences in systems analysis, design, and implementation; project management; e-commerce; telecommunications; networking; databases; programming; and interpersonal communication. As the increase in the use of technology in business continues, tremendous growth is predicted in the demand for people with these skills. Various job titles include systems analyst, database manager, project leader, telecommunications manager, network administrator, webmaster, technical support specialist, help desk operator, and programmer.

In addition to the major, interested students can opt to complete a certificate in information assurance from a series of IA courses in the curriculum created to give graduates added marketing ability in IA or cybersecurity. Our Information Assurance (IA) courses follow the National Security Agency guidelines and meet 4011 and 4016 certification requirements. The IA courses develop student skill sets for positions in systems and network security as they learn to detect, report, and resolve cyber threats. Course content also covers the use of code encryption to securely pass information between systems, building and using secure audio and video communications equipment, developing tamper protection products, and providing trusted information solutions. Students master the skills of assessing, auditing evaluation, testing network and systems security, and conducting forensic investigations. Students also learn how to perform information systems risk analysis and plan for disaster recovery and business continuity.

Computer Information Systems majors may also focus on Application Development (Programming) by taking a sequence of three elective courses as part of their curriculum. This gives students three programming courses that cover current languages. In addition electives are available to develop and refine skills in managing the application development process through a Project Management course and an Enterprise Resource Planning course.

Highlights

- Information Assurance Certificate Option
- Ranked Top 25 U.S. Most Affordable Colleges
- Ranked Top 25 in U.S. for Student Return on Investment

DBA (CIS Emphasis)

Program Objectives

The D.B.A. program is designed to prepare graduates for careers as effective university researchers and teachers or for senior research positions in business or government. The program is designed for students wishing to pursue full-time business doctoral studies in a residential program.

- A primary objective of the program is to train D.B.A. candidates to become proficient researchers. Therefore, course work involves research activities such as literature review and critique, theoretical modeling, research design, com-


puter-assisted empirical analysis, and preparation of proposals and research papers.

- Another objective is to train students to become proficient teachers. Most D.B.A. candidates are provided the opportunity to teach undergraduate courses in their specialty area. DBA students typically are not assigned teaching responsibilities until their third year in the program. Prior to being put in the classroom, doctoral candidates receive training and mentoring in the art and practice of teaching.

- In addition, all business doctoral students are expected to participate in national and regional academic conferences and are encouraged to work with faculty in developing individual research and teaching skills.

Highlights

- Carnegie Research University/High Research Activity Ranking
- U.S. News and World Report Tier I National University Ranking
- National Security Agency and Department of Homeland Security National Center of Academic Excellence in Information Assurance Research (CAE-R) Designation
- Ranked Top 25 Most Affordable Colleges in the U.S.
ABOUT

HISTORY - The College of Business Administration was formed in 1955 and became one of the first business schools in the California State University system to become accredited by the Association to Advance Collegiate Schools of Business (AACSB) in 1959. In 1982 AACSB accredited SDSU's School of Accountancy making it the first accredited accounting program in the state of California and one of the first in the U.S. to earn accreditation. The School of Accountancy became the first named school in SDSU history when it was named after Dr. Charles W. Lamden in 2008 following a $10 million gift from Gertrude Lamden to honor the legacy of her husband, who was the driving force in the founding of the College of Business and served as its first dean.

TODAY - We are now recognized as one of the leading business schools in the country with nationally ranked undergraduate and graduate programs in a number of areas. The ascent of the college has paralleled the growth of San Diego State University into one of the nation's top public universities. SDSU is recognized as one of the best universities in the nation for our accounting, entrepreneurship, international business, and graduate business programs. In 2016, the college was named in honor of San Diego philanthropists Ron and Alexis Fowler, whose $25 million gift is the largest in the history of the university and is helping us achieve our goal of become one of the world's premier business schools, dedicated to educating the next generation of business leaders. The Fowler College of Business has over 50,000 alumni who work for, as well as lead, many of the top companies in San Diego, as well as throughout California and the nation.
PROGRAMS

Sports MBA

SDSU Sports MBA, ranked #4 worldwide, a premier, sports-focused graduate program located in the sports and entertainment hub of Southern California. We are an AACSB accredited MBA program focused entirely on the international business of sports, featuring top tier faculty and a dedicated alumni network. This is an accelerated, 18-month degree that begins in January each year and is intended for highly motivated students seeking an intensive academic environment combined with extensive hands-on industry experience.

Highlights

- Top Ranked
- Hands-on
- San Diego, California
- Alumni Network
ABOUT

Businesses today face new challenges in structuring their organizations and managing their operations to meet global competition. Goods and services are increasingly produced by world-wide networks of firms, using modern information technology to share information and coordinate activities. To be successful in this information-centric environment, companies must make investments in systems and technologies that maximize the value of their information assets. The principles and techniques covered in the MIS department’s programs in information systems (IS) and supply-chain management (SCM) are crucial as companies work to define and execute a twenty-first century business strategy.

Because of the imperative for companies to invest in information systems, there are more people in the U.S. working in information technology today than ever before. The career prospects are outstanding for students who learn how IS and SCM investments interact with business strategy, and who can apply the best tools and technologies to the planning and execution of business processes. At the executive level, these skills are fundamental to the Chief Information Officer (CIO) position, which is responsible for assuring alignment between a firm’s IT strategy and its overall business strategy; and the Chief Operating Officer (COO) position, which is responsible for maximizing the value captured from a firm’s activities. At the entry level, there are challenging and rewarding opportunities in systems analysis and design, project management, database administration, network management, and information security. Knowledge of information systems and supply chains is frequently a prerequisite for holding a decision-making position within an organization. Our programs provide the foundation to succeed in these careers.
PROGRAMS

Masters in Informations Systems

The Master of Science in Information Systems (MSIS) degree prepares you for a leadership career in Information Systems. The job of the information-systems professional is to understand and improve the ways organizations derive value from information. Information-systems professionals have a variety of roles and responsibilities. Business leaders (including Chief Information Officers, or CIOs) focus on ways to nurture and exploit information assets to gain competitive advantage in their industries. Technical practitioners focus on the specification, development, and deployment of new information-related capabilities.

Highlights

• MBA option
ABOUT

Graduate study in the Department of Operations Management and Information Systems (OMIS) prepares you for a successful career in information systems-related fields in Silicon Valley and around the globe.

Undergraduate study explores the use of computer information systems and analytical decision-making methods in organizations. Essential to the conduct of business, these skills equip the department's majors and minors to design, implement, and evaluate systems central to an organization's success.

In addition to the major in Management Information Systems (MIS), the department offers an MIS minor for non-business and non-MIS majors, and the inter-department major Accounting and Information Systems (AIS).

In today's fast-changing, information-driven corporate environment, our students are in a unique position to develop practical, integrated solutions to complex problems. Their training in both information systems and business puts them on the fast track towards satisfying and exciting careers.
PROGRAMS

Management Information Systems

Undergraduate study in the Department of Operations Management and Information Systems (OMIS) explores the use of computer information systems and analytical decision-making methods in organizations. Essential to the conduct of business, these skills equip the department’s majors and minors to design, implement, and evaluate systems central to an organization’s success.

In addition to the major in management information systems (MIS), the department offers an MIS minor for nonbusiness and non-MIS majors, and the inter-departmental major of accounting and information systems (AIS).

The department’s majors and minors may pursue a variety of careers after graduation, including management consulting, systems administration, technical sales and marketing, operations management, and roles as business analysts in public, private, service and nonprofit sectors. Past graduates have also gone on to various master’s degree or doctoral programs, as well as law school.

Highlights

- Located in the heart of Silicon Valley

Master of Science in Information Systems

Individuals with information technology experience and business skills are in high demand by companies around the world. The MSIS program at Santa Clara University’s Leavey School of Business enables you to develop the skills to succeed in technologically advanced organizations. The program is particularly strong in its focus on the application and effective use of information systems to solve real business problems.

- Ideally positioned in Silicon Valley, the Leavey School of Business has developed strong relationships with Silicon Valley’s leading companies, giving you unique exposure to leading-edge technology, business practice, and potential employers.

- A unique blend of business and information systems core courses provides a foundation for your growth as a player in the IT industry. New areas of mastery are learned in a wide range of electives and open new avenues for your career. Most of the coursework is project-based, connecting learning to actual challenges in the field. Some of our new electives include:

- Both well respected scholars and experienced IT executives teach in the program, giving you exposure to cutting-edge knowledge and its application in the workplace, often in the same evening.

- The Capstone experience brings together coursework with practical application. Mentored by faculty, students work with companies to identify and solve an information systems problem within the organization. Past projects have seen students work in companies such as: Cisco, Kaiser Permanente, Silicon Valley Bank and many more.

Highlights

- Capstone Projects
- Located in the heart of Silicon Valley
- STEM approved
ABOUT
Tarleton’s Marketing and Computer Information Systems provides a robust set of options for students interested in entering the field of information systems or diving deeper into the depths of the field. From a more balanced program such as our BBA in Computer Information Systems to more depth that you can find in our BS in Computer Information Systems program, we have something for everyone. For non-traditional students who may be returning to school after time in the military, industry, etc, we offer a BAAS in Information Technology. For those seeking to pursue an advanced degree, we offer an MS in Information Systems which is offered 100% online. As you can tell, we have something for everyone.
PROGRAMS

Bachelor of Applied Arts and Sciences (B.A.A.S.) - Information Technology

Mission:

The Mission of the Bachelor of Applied Arts and Sciences (B.A.A.S.) program is to provide students with a background in information technology from community colleges and technical schools as well as those working within the field of information technology a means to complete a bachelor’s degree, in a timely manner, to equip them for a successful career in information technology and a path for career advancement.

The Bachelor of Applied Arts and Sciences (BAAS) degree in Information Technology is intended primarily for persons who have a significant amount of technical/vocational training coupled with work experience and need to earn a four-year bachelor's degree in order to advance in their careers. Other types of training may qualify in the technical/vocational area such as courses of study taken as part of an associate degree program or military training. These alternative types of technical/vocational training are evaluated by our staff on a case-by-case basis.

PROGRAM GOALS

- Critical Thinking
- Oral Communications

Highlights

- Degree completion program
- Program geared to support job opportunities within the region
- Internship opportunities
- Career Services integrated within the College of Business
- Advising integrated within the College of Business

Bachelor of Business Administration (B.B.A.) - Computer Information Systems

Mission:

The Mission of the Bachelor of Business Administration (B.B.A.) program is to develop student knowledge and skills in business and information systems needed to solve complex business problems and equip them for a successful career in business.

The Bachelor of Business Administration (BBA) degree in Computer Information Systems is intended primarily for persons who want a balance of exposure to technical concepts balanced against business/organization contexts.

PROGRAM GOALS

- Oral Communications
- Written Communications
- Ethics
- Critical Thinking
- Technology
- Global
- Discipline Specific Knowledge

Highlights

- Association of Technology Professionals (AITP) Student Group
- Internship Opportunities
- Program geared to support job opportunities within the region
- Career services integrated within the College of Business

www.eduglopedia.org
• Advising integrated within the College of Business

Bachelor of Business Administration (B.B.A.) - Marketing

Mission

The primary mission of the Marketing BBA degree program is to provide educational and professional training relevant to the practice of Marketing, couched within a broader Business Administration background which will allow graduates to become productive members of their profession.

Goal: To equip students with discipline specific knowledge and skill sets that will make them desirable candidates in today’s professional job market and will ultimately lead to successful careers, responsible citizens, and effective leaders in the business field.

PROGRAM GOALS

• Oral Communications
• Written Communications
• Ethics
• Critical Thinking
• Technology
• Global
• Discipline Specific Knowledge

Highlights

• American Marketing Association (AMA) student organization
• Career Services integrated within the College of Business
• Program geared to support job opportunities within the region
• Advising integrated within the College of Business
• Internship opportunities

Bachelor of Science (B.S.) - Computer Information Systems

Mission

The Mission of the Bachelor of Science (B.S.) program is to develop student knowledge and skills in computer information systems needed to solve complex business problems and equip them for a successful career in information systems.

The Bachelor of Science (BS) degree in Computer Information Systems is intended students interested in an in-depth exposure to technical concepts and skills.

PROGRAM GOALS

• Critical Thinking
• Oral Communications
• Written Communications
• Discipline Specific Knowledge

Highlights

• Career Service integrated within the College of Business
• Advising integrated within the College of Business
• Internship opportunities
• Association if Information Technology Professionals (AITP) student organization
• Program geared to support job opportunities within the region

Master of Science (M.S.) - Information Systems

MISSION

The mission of the Master of Science in Information Systems (MSIS) degree program is to provide a relevant, high-quality education that develops students’ decision-making skills in the productive and profitable utilization of computer information systems, preparing them for success in their careers and life-long learning.
PROGRAM GOALS

• Students will design scalable, robust, network solutions based on business/organizational needs
• Student will identify appropriate information technologies to support the strategic and operational goals of an organization
• Students will design scalable, robust, database solutions based on business/organizational needs
• Students will understand systems development methodologies that allow them to analyze and develop appropriate solutions to business problems
• Students will understand how to interpret and apply discipline related academic/practitioner literature
• Students will understand how to identify, develop, and execute business related research to address business problems

Highlights

• Online Program
• No leveling course requirements
• Low cost, high value
UNIVERSITY OF ST. THOMAS

Graduate Programs in Software
University of St. Thomas
2115 Summit Ave
55105 St. Paul
United States

Contact: Bhabani Misra
Institution website: stthomas.edu/gradsoftware/
EDUglopedia: eduglopedia.org/graduate-programs-in-software-university-of-st-thomas

ABOUT

Our Graduate Programs in Software, founded in 1985, is one of the largest, most-established, and ethnically diverse programs in the United States. We have over 3,000 alumni from 39 states and 14 countries. Located in the School of Engineering on the St. Paul, Minnesota campus, we offer four master's degrees and six graduate certificate programs as well as on-going professional development to help you stay informed and up-to-date in this exciting, ever-changing field.

Consistent with the mission of the University of St. Thomas, GPS is committed to provide a high-quality graduate education that integrates software technologies into workplace solutions. The program has a balanced emphasis on both theoretical concepts and practical applications of a wide variety of software technologies.

GPS's mission includes providing opportunities for lifelong learning, such as advanced graduate education and continuing education offerings, on current and future software technologies. GPS is committed to provide a high-quality graduate education that expands, strengthens, and converts technical expertise, knowledge, understanding, skill and insights about state-of-the-art software, business, information systems, and information technology into workplace solutions. The program educates students with a balanced emphasis on theoretical concepts and practical applications of these technologies. This graduate program is structured to build on the experiences of the professional. This program strives to enrich the lives of the student and their community, enhances the economic health of the global economic environment, and supports the overall mission of the University of St. Thomas.
PROGRAMS

Master of Science in Business Analytics
The Master of Science in Business Analytics is administered by the St. Thomas Opus School of Business in partnership with the Graduate Programs in Software department. This program improves business leaders’ managerial decision-making and problem solving skills by developing in-depth knowledge of data science and analytics. You will gain fundamental skills in statistics, modeling, data analysis, database management, software, business communication and industry analytics, helping you stand out to employers.

Highlights
- This program will help you qualify for one of the 7,000+ new business analytics jobs expected to be created in the 7-county Twin Cities metro area over the next 3 years.
- Electives to allow for specialization in health care, marketing or supply chain
- Project-based courses to encourage applied learning
- If you are early in your career, or looking for new opportunities, this program will prepare you well for many business analyst and data analytics roles in multiple industries, including health care, retail, manufacturing or consumer products.

Master of Science in Data Science
Prepares students to pursue careers in the emerging and high-growth fields of data science and big data. It combines in-depth understanding with hands-on skills, technologies, techniques, and analysis tools for data science. Graduates of this program will have the theoretical, practical, and comprehensive knowledge to manage and analyze large-scale, complex data to enable efficient data-driven discoveries and decisions.

Highlights
- The M.S. degree in Data Science prepares students to pursue careers in the emerging and high-growth fields of data science and big data.
- Program is 12 courses (36 graduate semester credits)
- All courses are offered on evenings or weekends to accommodate working professionals

Master of Science in Information Technology
The M.S. degree in Information Technology (IT) prepares individuals to develop and support organizational IT infrastructure. Graduates of this program can apply the acquired skills and knowledge to advance their careers in IT architecture, strategic software business analysis planning, project portfolio and program management jobs.

Highlights
- The M.S. degree in Information Technology provides students with relevant, practical, and applicable knowledge in Information Technology (IT) and Information Systems (IS).
- This program provides students with the appropriate mix of technical, professional, and business skills.
- Graduates of this program will be equipped to bridge the gap between roles in software development/management and software technology infrastructure.
- Program is 12 courses (36 graduate semester credits)
- Courses are offered in evenings and weekends to accommodate working professionals

Master of Science in Software Engineering
Focusing on current software engineering concepts and methodologies, the Master of Science
Degree in Software Engineering provides an opportunity for scientific, technical and sophisticated commercial and large-scale systems software professionals to enhance their expertise. This program is the preferred track for software architects, designers, and developers.

Highlights

- This domain focuses on technique-oriented computer science, computational systems software development, and applied research.
- It emphasizes the quantitative and scientific characteristics in software development. Hardware/software issues, embedded control in hardware, and large software/hardware systems development are all part of this emphasis.
- This program would be of interest to persons in computer science, computational science, systems software development, knowledge-based systems, database development, distributed database development, telecommunications, networking, multimedia software development, and neural networks.
- 14 courses required (42 graduate semester credits)
- Courses are offered on weekends and evenings to accommodate working professionals

**Master of Science in Software Management**

This program provides students with the most relevant, practical, and applicable knowledge available in software engineering and software management. With the appropriate mix of technical and business skills, graduates of the Master of Science in Software Management program can systematically analyze business situations and propose, plan, and manage software development strategies and efforts to fulfill organizational objectives.

Highlights

- Graduates of this program can systematically analyze business situations and propose, plan, and manage rigorous software development strategies and efforts to fulfill organizational objectives.
- Since this program focuses on both technical and development management issues, graduates of this program can apply the acquired skills and knowledge to advance their careers in software architecture, strategic software business planning, and project portfolio and program management jobs.
- It can also advance more experienced software engineers and project managers to pursue technical leadership roles in the modern software business.
- 14 courses required (42 graduate credits)
- Courses offering evenings and weekends to accommodate working professionals
OKLAHOMA STATE UNIVERSITY

Management Science and Information Systems
Oklahoma State University
408 Business Building
74078 Stillwater
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Contact: Rick Wilson
Institution website: spears.okstate.edu/msis/
EDUglopedia: eduglopedia.org/management-science-and-information-systems-oklahoma-state-university

ABOUT

The Department of Management Science and Information Systems (MSIS) understands that companies throughout the world require professionals with both the technical and managerial expertise necessary to thrive in an information-driven economy. For years, the William S. Spears School of Business has proudly produced professionals who have a highly developed set of business skills and the depth of knowledge to implement complex information systems—and keep them up and running. The Department's substantial growth has been fueled not only by the emergence of information technology as a fundamental cornerstone of business education, but also from the personal talents of dedicated faculty. The MSIS Department is blessed with outstanding nationally recognized scholars and committed, innovative instructors, all with a passion for research and classroom excellence. Many of the MSIS faculty has a solid private sector background that exemplifies the department's practical yet leading-edge perspective.
PROGRAMS

Master of Information Assurance

The Master of Science in Information Assurance (MSIA) program at Oklahoma State University (OSU) offers a unique blend of managerial coursework and hands-on applications that enables graduates to understand information assurance in the business. Topics include telecommunications, risk, offensive and defensive practices, and legal issues.

OSU is a designated Center for Academic Excellence in Information Assurance Education and Research. Our IA curriculum is recognized and approved by the National Security Agency and the Department of Homeland Security. The university is also home to the Center for Telecommunications and Network Security.

Highlights
- Experiential Hands-On Learning
- Recognized and Approved by Department of Homeland Security
- Recognized and Approved by NSA

Management Information Systems (MIS)

The MIS degree focuses on the business applications of information technology. This includes emphasizing necessary skills required in the analysis, development, evaluation and implementation of various information and communication technologies critical for today’s internet-enabled organizations. The integration of information technology throughout all aspects of business coupled with the critical need for responsive information systems has created a strong demand for graduates with expertise in both information systems and business administration.

Once MIS students satisfy the first two tier requirements mentioned above, they will focus on specialized courses in areas such as systems analysis and design, business programming, database design and management, expert and decision support systems, data mining applications, data communications and network security, management science methods, enterprise resource planning systems and electronic commerce.

Highlights
- STEM Program
- Experiential Hands-On Learning
- Internship Opportunities with Leading Companies

Master of MIS

The Master of Science in Management Information Systems Program (MS in MIS) focuses on providing solutions to business information and data needs. The MS-MIS program was ranked No. 29 in the North American rankings for Information Systems programs in 2015-16 in the Eduniversal Best Masters ranking. The program was No. 23 among universities in the United States. In addition, our online master's in MIS is ranked No. 14 in the Top 50 Online Masters Degrees in Information Technology Management 2015, according to Eduniversal.com. The program was started in 1998 and has over 1000 graduates. The core curriculum for the 34-hour program includes courses on MIS in business, database management, data warehousing, systems analysis, programming for analytics, descriptive analytics, visualization and professional development. The MS in MIS program is a designated STEM program.

Highlights
- STEM Program
- Unique & Diverse Program
- Ranked Number 1 Online MBA Program

MIS - Data Science Option

The Data Science option (formerly MSCS option) places additional emphasis on developing aptitudes in quantitative tools that are especially critical in today's data-driven organization. Additional course work in statistics, operations research, decision analysis and quantitative analysis is possible with a Data Science option.
Highlights

- Emphasis on Quantitative Tools

**MIS - Information Assurance Option**

The Information Assurance option uses the expertise in the department that led OSU to be named a National Center of Excellence in Information Assurance Education by the NSA. This option provides students with in-depth study and hands-on analysis of critical organizational issues in information assurance and security.

Highlights

- Named National Center of Excellence in Information Assurance Education by NSA
- In Depth Hands-On Experience

**MSIS Ph.D. Program**

The MSIS PhD program prepares students for careers as college professors in upper and mid-tier research universities. After graduating from the program, students are able to conduct high quality academic research and teach a variety of information systems courses at the university level. The program provides for immersion of students in information systems research and publication, national level conferences, and college level classroom instruction. The faculty in the department have diverse technical and behavioral information systems research interests and they are nationally or internationally known for their research over a range of topics including but not limited to data analytics and business intelligence, information assurance, management science, enterprise systems, and productions and operations management. The program is based in the low-cost highly livable communities of Stillwater and Tulsa in Oklahoma.
UNIVERSITY OF TAMPA

Sykes College of Business
The University of Tampa
401 W. Kennedy Blvd
33606 Tampa
United States

ABOUT

The University of Tampa is a medium-sized private university, which offers more than 200 academic programs taught by a faculty as passionate about students’ success as they are about their areas of expertise. Championship sports, student activities, community service, honors, leadership and study abroad programs complete an extraordinary academic experience that prepares students for anywhere a world-class education can take you.

From the gleaming minarets of Plant Hall – Tampa’s signature National Historic Landmark – to the $460 million in new facilities and technology, The University of Tampa’s globally connected campus is the beating heart of a vibrant urban oasis. A distinguished faculty and approximately 8,000 students from all 50 states and 140 countries are joined in a university ranked among the best of the best by U.S. News World Report, Forbes and The Princeton Review.

In the heart of one of Florida’s most vibrant business communities, The University of Tampa’s Sykes College of Business offers a world-class education with an international reputation for success.

At the Sykes College of Business, we are proud of the features that distinguish us among the world’s top business programs:

- Highest Accreditation
- Innovative Curriculum
- Outstanding Faculty
- Experiential Learning
- High-tech Facilities

The Sykes College of Business is where tomorrow’s business leaders – from just around the corner to the far reaches of the globe – come to learn, develop and network. Highly qualified students of diverse ages and backgrounds receive advanced training in an array of disciplines from faculty members with a pulse on the business community.

www.eduglopedia.org
PROGRAMS

Business Information Technology

Information Technology plays a key role in today’s global competitive business environment. Businesses rely on technology to streamline processes, generate efficiency, and fuel innovation. A degree in Business Information Technology provides students with a diverse set of business and technology skills that are necessary to succeed in the 21st century global business environment. Students develop an understanding of how emerging technologies can be exploited to improve business efficiency and provide new business opportunities that can benefit the performance of a company and achieve its business goals. The program aims at providing students with a diverse set of business and technology skills from the user side other than from the designer or the developer side.

Students focus on studying web and mobile technologies and their application for businesses, create and manage databases based on business requirements, and utilize several technology solutions that support business strategies and objectives. The program also features an experiential learning approach, where students use contemporary software though the University’s membership in several academic alliances such as SAP, the world leader in enterprise systems, and Microsoft Corporation, and participate in real-world projects analyzing the technology needs for businesses to improve performance. Students have the option to earn additional certifications from SAP and other corporations.

Cybersecurity

The University of Tampa’s Cybersecurity degree is a relevant, challenging program where students learn to protect the confidentiality, availability, and integrity of information and information systems that support modern organizations. Students acquire a comprehensive education that focuses on both the fundamentals of information systems as well as advanced topics in areas such as network security, cryptography, risk management, security governance, business continuity, security architecture, physical security and critical infrastructures. A key feature of the UT Cybersecurity program is that it prepares students to take and pass the Certified Information Systems Security Professional (CISSP) exam. The program also gives students extensive hands-on experience using industry standard tools in a modern cybersecurity lab. Demand for certified security professionals is expected to rise as global commerce and modern society becomes increasingly dependent on information systems and related technologies. The UT Cybersecurity degree develops students to be leaders in the growing cybersecurity field and employed by prominent organizations worldwide.

Highlights
- IS Security
- CISSP

Financial Enterprise Systems

Financial enterprise systems (FES) is a challenging program involving the application of enterprise system concepts to analyze the business process needs of organizations, with emphasis on the finance industry. Today, the cross-functional nature of business processes requires a holistic view of the modern organization. The integration of finance, accounting and other important business functions is analyzed in this major. Demand for professionals knowledgeable in enterprise information systems, business technology and finance is expected to rise given the evolving nature of leading organizations worldwide. Students majoring in FES receive a comprehensive education in integrative business processes, finance, information systems and technology. Several specialized courses tailored to the 21st century organization distin-
guish this major from others. FES students are educated in financial management, markets and institutions, global finance, financial service operations, business continuity, information security, risk management, data mining, business intelligence and analytics. Students also gain expertise in financial and accounting business processes and technical knowledge of enterprise resource planning (ERP) systems. FES graduates gain strong analytical, technical and managerial skills spanning business functional areas. Moreover, FES graduates obtain significant experience in oral and written communication.

Management Information Systems

Our graduates have a combination of strong technical and business skills, including oral and written communication, bridging the gap that often exists between business users of computer systems and technically-trained specialists. This combination of skills prepares our graduates to be leaders of the next generation of MIS professionals. Students majoring in MIS receive a comprehensive education in design, analysis, development and management of computer-based information systems. They also are educated in the fields of management, marketing, economics, accounting and finance. Students learn to apply the managerial and analytical skills required for success in 21st century organizations. An MIS minor is an excellent complement to many majors offered across the University. Features of our innovative program include interactive lectures, individual and team assignments, and experiential learning to help students build successful careers. Alliances with the SAP and Microsoft corporations provide students access to a wide array of contemporary software tools and systems. Partnerships with information systems professional associations provide many opportunities for student interaction with the business community. Guest lecturers from business and government are regularly featured, and internships with well-known corporations are available to qualified students.

Highlights

- Alliances with the SAP and Microsoft corporations provide students access to a wide array of contemporary software tools and systems.
- Partnerships with information systems professional associations provide many opportunities for student interaction with the business community
- TERP10 Academy provides intensive training to prepare individuals to become a SAP Certified Business Associate with SAP ERP 6.0.
- The MIS major is accredited by ABET's Computing Accreditation Commission using the Information Systems criteria.

Master of Business Administration - Information Systems Management

In a world dependent on technology, computer systems professionals play a key role in meeting strategic goals. The information systems management concentration deals with managing information as a strategic corporate asset and resource. Students learn the technical knowledge and tools needed to integrate people, hardware, software and data for optimal planning, decision making and problem solving. The curriculum is designed to empower leaders with an understanding of how information systems can be used to achieve a corporation's mission and vision.

MBA students who choose this concentration position themselves at the cutting edge of technology. They gain the tools to manage information systems operation, including revolutionary training in SAP software.

Highlights

- SAP TERP10 Academy

Master of Science in Cybersecurity

The University of Tampa’s Master of Science in Cybersecurity prepares students for careers in the dynamic and growing cybersecurity industry. Rapid technology changes and the evolving threats that face modern organizations require educated and equipped cybersecurity professionals. With small class sizes and a cutting-
edge cybersecurity lab, this specialized graduate program emphasizes hands-on learning using real-world tools and virtual environments.

The curriculum covers critical topics in cybersecurity and gives students the option of taking valuable courses in project management, business analytics, enterprise systems and SAP certification. The program is also ideal for those wishing to advance in the fields of law enforcement, criminology, criminal justice, forensics, law and government.

Highlights

* Cloud system security, risk assessment, penetration testing, incident response management, compliance and security leadership
ABOUT

The Business Analytics and Information Systems major provides the skills and knowledge necessary for business and data analytics, information systems development and support positions in both business and non-business organizations.
PROGRAMS

Business Analytics and Information Systems

The Business Analytics and Information Systems major provides the skills and knowledge necessary for business and data analytics, information systems development and support positions in both business and non-business organizations.

Graduates of the program are in great demand by firms in the information services sector of the economy, software development organizations, management consultants, and MIS departments in industry. An Advisory Board consisting of senior information systems executives and consultants works closely with the department to ensure that the program maintains high standards.

The Business Analytics / Information Systems program is designed for individuals who are challenged by applications of Information Systems and Information Technology and who are willing to undertake a career that demands a broad rather than narrow range of skills. Students who already have considerable background either in information systems or in business coursework will make use of the built-in flexibility of the program, designing programs of study that will provide them with the best background for their careers. An advisor will work closely with each student to design and monitor the most effective course sequence and optional thesis/practicum work.

Highlights

- We have two optional concentrations within the program for those interested in focusing on cybersecurity or business intelligence. You can complete these concentrations within the program by appropriate selection of electives.
- The BAIS department at USF runs a nationally ranked program. In 2013, BusinessWeek magazine ranked the undergraduate USF MIS program as #25 in the nation.
- Potential career paths include data analyst, business intelligence analyst, business analyst, consulting, systems analyst, database administrator, project manager or other technology management roles in business.
- Practice center projects provide students real-world industry experience with faculty supervision while earning a stipend.
- The Information Systems and Decision Sciences department regularly hosts events, bootcamps, and competitions to sharpen students’ marketable skills and provide opportunities to interact with employers.

Management

The major in Management prepares students to manage and lead all aspects of organizations. Mastery of course content enables students to inspire themselves, others, teams, and organizations to coordinate efforts to provide effective outcomes. Content covered includes ethics and virtue, organizational behavior, human resources, domestic and international cultural differences, and negotiating skills. A capstone course integrates the learning objectives of the major in a study of a real company where students demonstrate that they can now apply effectively what they have learned.
Highlights

- The Information Systems and Decision Sciences department regularly hosts events, bootcamps, and competitions to sharpen students' marketable skills and provide opportunities to interact with employers. Faculty are engaged in research, teaching, and practice in collaboration with the community.
- Mastery of course content enables students to inspire themselves, others, teams, and organizations to coordinate efforts and get effective outcomes.
- Internship opportunities provide students real-world industry experience with faculty supervision while earning a stipend.
- Through appropriate course selection, interested students can choose to concentrate in human resources management.
- Management graduates have obtained job titles such as project manager, human resources/people analyst, talent analyst, team lead, training and development specialist, operations manager, data analyst, and management consultant.
Muma College of Business
University of South Florida
4202 E Fowler Avenue
33620 Tampa
United States

Institution website: www.usf.edu/business/
EDUglopedia: eduglopedia.org/muma-college-of-business-university-of-south-florida

ABOUT

To us, the business world is our classroom and USF's undergraduate curriculum provides rich opportunities to bridge theory and practice, just as our metropolitan location provides opportunities for student internships, part-time jobs, and cooperative education experiences relevant to students' career goals.

USF's high-quality graduate programs link theory and practice to prepare students to take leading positions in business and society. There are 16 graduate programs offered through the USF Muma College of Business.

While admissions for graduate programs are led by USF's Graduate School, the Muma College of Business Office of Graduate Studies offers curriculum advising as it relates to MBA program requirements, course sequencing, and course transfers. All services for the Executive MBA program are coordinated through this office as well.
PROGRAMS

Bachelor of Business Analytics and Information Systems

The Business Analytics and Information Systems major in the Muma College of Business at the University of South Florida prepares students to enter the rapidly changing world of business technology. The degree gives students a strong foundation in business while preparing them for a variety of positions in business analytics and information systems.

The program focuses on analytics and creativity, by including analytics and business intelligence as an integral part of the curriculum. Students are equipped with specific tools to develop and manage technology solutions and analyze data.

Highlights

- The Information Systems and Decision Sciences department regularly hosts events, bootcamps, and competitions to sharpen students’ marketable skills and provide opportunities to interact with employers.
- Practice center projects provide students real-world industry experience with faculty supervision while earning a stipend. USF offers study abroad opportunities for students. The experience helps them learn how to adapt and succeed in a changing business world.
- The USF Muma College of Business has a strong advising group that helps students with course selection and career planning.
- Typical starting yearly salaries for undergraduate business analytics and information systems majors are in the $50,000 range (2014-2016 placement data).
- Jobs for graduates include data analyst, business intelligence analyst, business analyst, consultant, systems analyst, database administrator, project manager or other business analytics and technology management roles.

Master of Business Analytics and Information Systems

The Master of Science in Business Analytics and Information Systems blends technology and business skills. Students specialize in business intelligence, information assurance, business analytics, project management, software engineering and compliance, risk and anti-money laundering.
Highlights

- The Information Systems Decision Sciences Department is engaged with the business community through its industry-sponsored practice center projects. Projects from the center allow students to introduce state-of-the-market technologies into local companies.
- Student success specialists are committed to the professional success of students.
- Ongoing professional development bootcamps presented by faculty and other experts give students an edge over the competition.

**PhD in Business Analytics and Information Systems**

Information Systems and Information Technology have had tremendous impact on business, society and even everyday life. In the world of business, IS and IT continue to make a profound impact on other business functions such as strategy, finance, marketing and operations. A PhD in Business Administration with a concentration in Information Systems will give you the opportunity to design your own projects, assemble your own team of experts, work on your own schedule, and use your own preferred choice of methodologies. In addition to making an impact as a researcher, as a university professor you will also get to design and teach undergraduate and graduate courses in Information Systems, thereby helping to train and develop future generations of IS professionals.

Highlights

- Design your own projects, assemble your own team of experts, work on your own schedule, and use your own preferred choice of methodologies.
- Help train and develop future generations of IS professionals.
- Train to be an independent thinker, ask and answer difficult questions, solve seemingly intractable problems, and spend a lifetime of continuous learning.

**Weekend Executive Master of Business Analytics and Information Systems**

The Executive Master of Science in Business Analytics and Information Systems integrates technology development and data analytics. A strong focus on leadership development equips students to overcome issues that include communication, self-awareness, team orientation, and accountability.

Highlights

- This 17-month, weekend-only program accommodates busy work schedules. It consists of 11 courses and a project/independent study.
- Leadership development is integrated into each course to help students move forward in their careers.
- One of the strongest analytics and business intelligence focused curriculum nationwide — six data-focused courses in addition to an 17-month long project.
- Students receive a AASCB and SACS accredited degree as well as a SAS-approved USF Certificate in Analytics and Business Intelligence.
- Development activities include guest speakers and “Lunch & Learn” sessions with industry leaders in addition to a separate two credit hour course.

[www.eduglopedia.org](http://www.eduglopedia.org)
GOVERNORS STATE UNIVERSITY

College of Business
Governors State University
1 University Parkway
60484 University Park
United States

Contact: David Green
Institution website: www.govst.edu/business
EDUglopedia: eduglopedia.org/college-of-business-governors-state-university

ABOUT

Governors State University is a public university in Chicago's Southland region in Illinois, USA. Governors State University's AACSB accredited College of Business offers graduate and undergraduate programs in Management Information systems. MIS programs align with AIS/ACM guidelines for curriculum programs in information systems, meeting the needs of employers in the greater Chicago area.
PROGRAMS

Bachelor of Business Administration with a Concentration in Management Information Systems

Our Bachelor of Arts in Business Administration with a concentration in Management Information Systems is designed to give you a solid foundation in business and management as well as an understanding of information systems and technology enabled organizations. The program emphasizes business processes, data management, systems analysis, enterprise systems, IT infrastructure, and project management.

Highlights
- Great Value
- Scholarships and Tuition Waivers Available
- SAP University Alliance Member
- Located South Suburban Chicago

Master of Science in Management Information Systems

Our Master of Science program in Management Information Systems is geared toward working professionals who understand the language of business and technology. Making real-life decisions requires expertise in networking, data mining, systems engineering and the strategic management of information systems. This degree will help you learn the power and potential of technology and how it can move an organization forward.
BENTLEY UNIVERSITY

IPM and CIS departments
Bentley University
175 Forest Street
02452 Waltham
United States

Contact: Heikki Topi
Institution website: www.bentley.edu
EDUglopedia: eduglopedia.org/ipm-and-cis-departments-bentley-university

ABOUT

Bentley University is one of the leading business schools in the U.S., dedicated to preparing a new kind of business leader: one with the deep technical skills, the broad global perspective and the high ethical standards required to make a difference in an ever-changing world. To achieve our goal, we infuse our advanced business curriculum with the richness of a liberal arts education. The results are graduates who are making an impact in their chosen fields and turning their passions into success stories. Located on a classic New England campus just minutes from Boston, Bentley is a dynamic community of leaders, scholars and creative thinkers.

Bentley has three departments that focus on issues in the broader business/IT space: Computer Information Systems, Information Design and Corporate Communications, and Information and Process Management. In addition, there are faculty members in Accountancy, Marketing, and Management with a deep interest in the interaction between business and IT.
PROGRAMS

Computer Information Systems

Today’s successful business strategies depend on integrating information technology into all aspects of an organization. Our Computer Information Systems program focuses on essential information technologies, providing specific expertise to analyze, design and develop information systems ranging through all business processes and across every industry.

Highlights

- high tech and high touch
- experiential learning
- corporate connections
- CIS Sandbox
- fusion between business and technology

Information and Process Management

The IPM minor is designed to provide business majors an edge in their profession by adding valuable skills in tools, methods and technologies that support information and process management in organizations. Business processes and information technology are the key enablers of firms’ performance and their ability to compete in the market place. Regardless of a student’s major, he or she will be called to participate in process and technology assessment, analysis and re-design projects during his or her professional career. The IPM minor will prepare one to effectively work with information and process management professionals.

Highlights

- process management
- information management

MSIT

The Bentley University MSIT program focuses on designing, developing, and managing technology to address business challenges. Enabled by a curriculum that combines hands-on learning with conceptual understanding, our graduates are prepared for a variety of managerial and technical roles, including project managers, systems architects, enterprise architects, business and IT consultants, systems analysts, security analysts, and IT auditors. Students in this program gain:

- The skills and knowledge in systems analysis and design, data management, agile development, service oriented architecture, and enterprise security required to inform business decisions across the organization;
- Hands-on experience with industry-leading tools for software development, database management, cloud computing, business intelligence, and other relevant areas; and
- The thorough understanding of IS development processes at the individual, team, and project levels needed to execute distributed IT development projects effectively.

Highlights

- Teaches software technologies most in demand in industry, including Java, SQL, mobile app development, and web development
- Prepares students to be successful team leaders as well as team players through courses on enterprise architecture, systems analysis and design, and IT project management
- Offers a joint MBA degree option called the MSMBIA
WICHITA STATE UNIVERSITY

Department of Finance, Real Estate, & Decision Sciences, Barton School of Business
Wichita State University
1845 Fairmount St. Wichita, Kansas 67260
67260 Wichita
United States

Contact: David (Jingjun) Xu
Institution website: webs.wichita.edu/?u=bartonadvising&p=/mismajor

ABOUT

Wichita State University is a public research university in Wichita, Kansas, United States. It is the third-largest university and is the only metropolitan university in Kansas. The university's 15,000 students study business, education, engineering, fine arts, health professions, and liberal arts and sciences at the undergraduate and graduate levels.

Wichita is the largest city in the state of Kansas. It is the top exporting city in the nation as measured by percent of GDP and is known as the Aviation Capital of the World. Wichita is the medical, communication, cultural, financial and entertainment hub of Kansas. The city's size and diversity give WSU students unique opportunities to build a career foundation.

The W. Frank Barton School of Business at Wichita State has been the driving force behind some of the brightest minds and biggest ideas of the past 100 years. This AACSB-accredited college prides itself in being among the top 290 business schools in the nation as ranked by the Princeton Review. Combining the widest range of undergraduate degrees in the state and virtually unlimited learning opportunities (thanks to Kansas' largest business community), it's no surprise that employers continue to show a preference for hiring Barton School graduates. The business college has also produced one of the nation's best graduate programs that allow its students to continue their education in graduate-level studies that includes the MBA & EMBA that will guarantee a richer experience in both your education and future occupation endeavors.

Barton School prepares students for lifelong learning and success in the global marketplace, advances the knowledge and practice of business, and supports economic growth through research, outreach, and knowledge transfer. The Barton School strives to be internationally recognized as a model of research, knowledge transfer, and applied business learning. The Barton School core values include being student centered and business driven, fostering integrity and intellectual curiosity, celebrating the development of critical thinking, innovation,
and an entrepreneurial mindset, and honoring diversity of culture, thought, and experience.
PROGRAMS

Information Technologies & Management Information Systems (IT & MIS)

In a technology bound society, companies rely on information technologies and management information systems to make business decisions. Information Technologies and Management information systems (IT & MIS) are designed to support the complete computing system in a company. This includes software systems, databases, hardware resources, project applications...any computerized process used to help a company function efficiently.

Managers use IT & MIS to gather and process large amounts of data to analyze where the company has been and forecast where the company is going. IT & MIS are vital for production/operations management and supply chain management decisions. IT & MIS professionals may specialize in systems analysis, database design, application or maintenance programming, networking, project management, telecommunications, electronic commerce and web development.

Check out the program details and major requirements in the following link.

http://webs.wichita.edu/?u=bartonadvising&p=/mishome/

Highlights

- AACSB-Accredited
- STEM designated program
- Strong placement rates
- Diverse
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

As a student in one of our professional programs, you’ll learn from experts while deepening your technical skills, enhancing your leadership abilities and connecting with a network of like-minded professionals.

It’s a winning combination that will enable you to advance your career. UBC Applied Science offers the following professional programs:

- is a one-year program for health-care professionals interested in strengthening their technical and leadership skills. A program is available in Seniors Care.


These intensive programs are for practicing professionals eager to excel in their careers, broaden their technical perspectives and deepen their business and leadership skills.
PROGRAMS

Master of Engineering Leadership in Advanced Materials Manufacturing

The Master of Engineering Leadership in Advanced Materials Manufacturing is an intensive one-year degree for engineers who want to advance their careers in the automotive, aerospace and manufacturing sectors.

There is a growing need across multiple industries for technical experts in advanced materials manufacturing. This is a rapidly evolving field, and companies are challenged to find engineers who have the sector-relevant cross-disciplinary technical expertise to develop innovative solutions.

Highlights
- A year can change everything.

Master of Engineering Leadership in Clean Energy Engineering

The Master of Engineering Leadership Clean Energy Engineering is an intensive 1 year degree for engineers and environmental science graduates who want to make their sustainable vision a reality and advance their careers in the in-demand field of clean energy.

There is a growing need across multiple industries for technical experts in clean energy engineering. Our planet needs viable energy solutions to minimize environmental impacts and promote geopolitical stability.

Highlights
- A year can change everything.

Master of Engineering Leadership in Dependable Software Systems

The Master of Engineering Leadership (MEL) in Dependable Software Systems is an intensive one-year degree (January to December) for software engineers who want to explore the principles and techniques for maintaining the integrity and reliability of software systems in diverse application areas.

With their broad foundation for analyzing and addressing software dependability issues across many different industry sectors, graduates of this program will be highly sought after by employers.

Highlights
- A year can change everything.

Master of Engineering Leadership in Green BioProducts

The Master of Engineering Leadership (MEL) in Green Bio-Products is an intensive one-year degree (January to December) that will equip you with the technical and leadership skills required to contribute to the growing bio-economy.

UBC is a world leader in creating innovative value from forest biomass, and graduates of this program will take their place as technical leaders and sector specialists in this growing industry.

Highlights
- A year can change everything.

Master of Engineering Leadership in High Performance Buildings

The Master of Engineering Leadership (MEL) in High Performance Buildings is an intensive one-year degree program for engineers and architects who want to make a difference in the building sector.

Graduates of this program will have the technical and leadership skills to improve the energy performance of existing buildings and design integrated high-performance energy systems for new buildings.
Master of Engineering Leadership in Integrated Water Management

The Master of Engineering Leadership in Integrated Water Management is an intensive one-year degree that will enable you to spearhead initiatives focused on water use, treatment, research and protection.

There is a growing demand for professionals in the public and private sectors who can develop and lead sustainable water management solutions. Graduates of this program will be highly sought after for their unique combination of leadership and technical sector-specific skills.

Master of Engineering Leadership in Naval Architecture and Marine Engineering

The Master of Engineering Leadership in Naval Architecture & Marine Engineering is an intensive one-year degree program intended for engineers three to five years or more into their careers. This program combines the engineering and physics of ship design with broad business and leadership training. There is a growing need for talented engineers who can bridge the gap between technical staff and business leaders.

Master of Engineering Leadership in Urban Systems

The Master of Engineering Leadership in Urban Systems is an intensive one-year degree program that equips you with the high-level technical skills needed to develop practical and sustainable solutions to meet the challenges associated with large urban infrastructure systems.

There is a growing demand for talented professionals with a confident understanding of engineering and urban planning and who have the management and leadership skills to guide large and complex projects.

Master of Health Leadership and Policy, Seniors Care

Move your career forward as a health care specialist dedicated to improving patient outcomes and fostering the well-being of seniors.

The Master of Health Leadership and Policy in Seniors Care is an intensive one-year degree that equips you with the skills needed to improve patient outcomes and help create the future of seniors health care. There is a growing need for professionals able to lead, design and deliver comprehensive care and services for seniors.
Further institutions on EDUglopedia:

**Concordia University**
John Molson School of Business
EDUglopedia: eduglopedia.org/go/john-molson-school-of-business-concordia-university

**McGill University**
School of Informaton Studies
EDUglopedia: eduglopedia.org/go/school-of-informaton-studies-mcgill-university

**Memorial University of Newfoundland**
Faculty of Business Administration
EDUglopedia: eduglopedia.org/go/faculty-of-business-administration-memorial-university-of-newfoundland

**Queen's University**
Smith School of Business
EDUglopedia: eduglopedia.org/go/smith-school-of-business-queen-s-university

**Université Laval**
Faculty of Business Administration - Department of Organizational Information Systems
EDUglopedia: eduglopedia.org/go/faculty-of-business-administration-department-of-organizational-information-systems-universite-laval

**University of Manitoba**
I.H Asper School of Business
EDUglopedia: eduglopedia.org/go/i-h-asper-school-of-business-university-of-manitoba

**University of Toronto**
Faculty of Information
EDUglopedia: eduglopedia.org/go/faculty-of-information-university-of-toronto

**ABPMP - Association of Business Process Management Professionals**
Panama Chapter
EDUglopedia: eduglopedia.org/go/panama-chapter-abpmp-association-of-business-process-management-professionals

www.eduglopedia.org
Al Azhar University
Electrical Engineering
EDUGlopedia: eduglopedia.org/go/electrical-engineering-al-azhar-university

Arizona State University
W. P. Carey School of Business, Department of Information Systems

Baker College
Center for Graduate Studies
EDUGlopedia: eduglopedia.org/go/center-for-graduate-studies-baker-college

Ball State University
Department of Information Systems & Operations Management
EDUGlopedia: eduglopedia.org/go/department-of-information-systems-operations-management-ball-state-university

Benedictine University
Graduate Business Administration
EDUGlopedia: eduglopedia.org/go/graduate-business-administration-benedictine-university

Boston College
Carroll School of Management
EDUGlopedia: eduglopedia.org/go/carroll-school-of-management-boston-college

Boston University
Metropolitan College
EDUGlopedia: eduglopedia.org/go/metropolitan-college-boston-university

Butler University
College of Business
EDUGlopedia: eduglopedia.org/go/college-of-business-butler-university

California State University, Chico
College of Business
EDUGlopedia: eduglopedia.org/go/college-of-business-california-state-university-chico
California State University, East Bay
Management
EDUglopedia: eduglopedia.org/go/management-california-state-university-east-bay

Central Connecticut State University
School of Business
EDUglopedia: eduglopedia.org/go/school-of-business-central-connecticut-state-university

Claremont Graduate University
Center for Information Systems and Technology (CISAT)
EDUglopedia: eduglopedia.org/go/center-for-information-systems-and-technology-cisat-claremont-graduate-university

Clemson University
Management Department - College of Business
EDUglopedia: eduglopedia.org/go/management-department-college-of-business-clemson-university

Colorado State University-Pueblo
Hasan School of Business
EDUglopedia: eduglopedia.org/go/hasan-school-of-business-colorado-state-university-pueblo

Dakota State University
College of Business and Information Systems

Drake University
Information Management and Business Analytics
EDUglopedia: eduglopedia.org/go/information-management-and-business-analytics-drake-university

Duquesne University
School of Business
EDUglopedia: eduglopedia.org/go/school-of-business-duquesne-university

Ferris State University
College of Business
EDUglopedia: eduglopedia.org/go/college-of-business-ferris-state-university
George Washington University
Information Systems and Technology Management
EDUglopedia: eduglopedia.org/go/information-systems-and-technology-management-george-washington-university

Georgia Southern University
Department of Information Systems
EDUglopedia: eduglopedia.org/go/department-of-information-systems-georgia-southern-university

Gonzaga University
Management Information Systems
EDUglopedia: eduglopedia.org/go/management-information-systems-gonzaga-university

Illinois State University
College of Business, Department of Accounting & Business Information Systems

Indiana University South Bend
Decision Sciences--Judd Leighton School of Business & Economics
EDUglopedia: eduglopedia.org/go/decision-sciences-judd-leighton-school-of-business-economics-indiana-university-south-bend

Lawrence Technological University
College of Management, IT Program
EDUglopedia: eduglopedia.org/go/college-of-management-it-program-lawrence-technological-university

Louisiana State University
Information Systems and Decision Sciences
EDUglopedia: eduglopedia.org/go/information-systems-and-decision-sciences-louisiana-state-university

Marshall University
Marketing, MIS & ENT
EDUglopedia: eduglopedia.org/go/marketing-mis-ent-marshall-university

Northern Kentucky University
College of Informatics
EDUglopedia: eduglopedia.org/go/college-of-informatics-northern-kentucky-university

www.eduglopedia.org
Nova Southeastern University
College of Engineering and Computing
EDUglopedia: eduglopedia.org/go/college-of-engineering-and-computing-nova-southeastern-university

Pace University
Information Technology
EDUglopedia: eduglopedia.org/go/information-technology-pace-university

Purdue University Northwest (Hammond campus)
Quantitative Business Studies
EDUglopedia: eduglopedia.org/go/quantitative-business-studies-purdue-university-northwest-hammond-campus

Rutgers University
Rutgers School of Business Camden
EDUglopedia: eduglopedia.org/go/rutgers-school-of-business-camden-rutgers-university

South University
Information Systems and Management
EDUglopedia: eduglopedia.org/go/information-systems-and-management-south-university

Southern Illinois University Carbondale
School of Information Systems and Applied Technologies
EDUglopedia: eduglopedia.org/go/school-of-information-systems-and-applied-technologies-southern-illinois-university-carbondale

Southern Illinois University Edwardsville
Computer Management & Information Systems Dept
EDUglopedia: eduglopedia.org/go/computer-management-information-systems-dept-southern-illinois-university-edwardsville

Susquehanna University
Sigmund Weis School of Business
EDUglopedia: eduglopedia.org/go/sigmund-weis-school-of-business-susquehanna-university

Texas A&M University
Mays Business School
EDUglopedia: eduglopedia.org/go/mays-business-school-texas-a-m-university

www.eduglopedia.org
Texas A&M University - Corpus Christi
College of Business
EDUglopedia: eduglopedia.org/go/college-of-business-texas-a-m-university-corpus-christi

The Metropolitan State University of Denver
Computer Information Systems
EDUglopedia: eduglopedia.org/go/computer-information-systems-the-metropolitan-state-university-of-denver

The University of Mississippi
MIS Department
EDUglopedia: eduglopedia.org/go/mis-department-the-university-of-mississippi

The University of North Carolina at Greensboro
Department of Information Systems and Supply Chain Management

University at Buffalo. SUNY, Buffalo, NY
Department of Biomedical Informatics
EDUglopedia: eduglopedia.org/go/department-of-biomedical-informatics-university-at-buffalo-suny-buffalo-ny

University of Alabama at Birmingham
Collat School of Business
EDUglopedia: eduglopedia.org/go/collat-school-of-business-university-of-alabama-at-birmingham

University of Alabama in Huntsville
College of Business Administration
EDUglopedia: eduglopedia.org/go/college-of-business-administration-university-of-alabama-in-huntsville

University of Baltimore
Department of Information and Decision Sciences
EDUglopedia: eduglopedia.org/go/department-of-information-and-decision-sciences-university-of-baltimore

www.eduglopedia.org
University of Colorado
Leeds School of Business, Information Management group
EDUGlopedia: eduglopedia.org/go/leeds-school-of-business-information-management-group-university-of-colorado

University of Dallas
Satish & Yasmin Gupta College of Business
EDUGlopedia: eduglopedia.org/go/satish-yasmin-gupta-college-of-business-university-of-dallas

University of Delaware
Alfred Lerner College of Business & Economics
EDUGlopedia: eduglopedia.org/go/alfred-lerner-college-of-business-economics-university-of-delaware

University of Denver
Daniels College of Business
EDUGlopedia: eduglopedia.org/go/daniels-college-of-business-university-of-denver

University of Guam
School of Business and Public Administration

University of Houston
Bauer College of Business
EDUGlopedia: eduglopedia.org/go/bauer-college-of-business-university-of-houston

University of Idaho
Business
EDUGlopedia: eduglopedia.org/go/business-university-of-idaho

University of Indianapolis
School of Business
EDUGlopedia: eduglopedia.org/go/school-of-business-university-of-indianapolis

University of Massachusetts
Isenberg School of Management
EDUGlopedia: eduglopedia.org/go/isenberg-school-of-management-university-of-massachusetts

www.eduglopedia.org
University of Memphis
Department of Business Information & Technology
EDUglopedia: eduglopedia.org/go/department-of-business-information-technology-university-of-memphis

University of Michigan-Dearborn
Information Systems Management
EDUglopedia: eduglopedia.org/go/information-systems-management-university-of-michigan-dearborn

University of Nevada, Las Vegas
Management, Entrepreneurship & Technology
EDUglopedia: eduglopedia.org/go/management-entrepreneurship-technology-university-of-nevada-las-vegas

University of North Carolina Wilmington
Cameron School of Business
EDUglopedia: eduglopedia.org/go/cameron-school-of-business-university-of-north-carolina-wilmington

University of Pennsylvania
Organizational Dynamics
EDUglopedia: eduglopedia.org/go/organizational-dynamics-university-of-pennsylvania

University of South Carolina Upstate
Informatics
EDUglopedia: eduglopedia.org/go/informatics-university-of-south-carolina-upstate

University of South Florida
School of Information and Florida Center for Cybersecurity
EDUglopedia: eduglopedia.org/go/school-of-information-and-florida-center-for-cybersecurity-university-of-south-florida

University of Texas at Austin
Information, Risk, and Operations Management Department

www.eduglopedia.org
University of Texas at El Paso
College of Business Administration
**EDUglopedia:** eduglopedia.org/go/college-of-business-administration-university-of-texas-at-el-paso

University of Wisconsin – Oshkosh
Information Systems
**EDUglopedia:** eduglopedia.org/go/information-systems-university-of-wisconsin-oshkosh

Villanova University
Department of Accountancy & Information Systems, Villanova School of Business
**EDUglopedia:** eduglopedia.org/go/department-of-accountancy-information-systems-villanova-school-of-business-villanova-university

Virginia Tech
Business Information Technology Department
**EDUglopedia:** eduglopedia.org/go/business-information-technology-department-virginia-tech

Wake Forest University
School of Business
**EDUglopedia:** eduglopedia.org/go/school-of-business-wake-forest-university

West Virginia University
College of Business & Economics
**EDUglopedia:** eduglopedia.org/go/college-of-business-economics-west-virginia-university

Western Illinois University
College of Business & Technology
**EDUglopedia:** eduglopedia.org/go/college-of-business-technology-western-illinois-university

Widener University
School of Business, Masters in Business Process Innovation
**EDUglopedia:** eduglopedia.org/go/school-of-business-masters-in-business-process-innovation-widener-university
The density of programs has been calculated by dividing the number of reported programs by the population (in millions). The darker the color, the higher the density.
BRAZIL

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

The Academic Department of Informatics offers two undergraduate Computing degrees, one in Information Systems, and one in Computer Engineering.

At the graduate level, the department hosts a professional master program in Applied Computing (PPGCA).

Students may also follow graduate degrees in Electrical Engineering and Industrial Informatics (CPGEI), in Technology and Society (PPGTE), in Business (PPGA), in Planning and Public Policies (PGP), in Biomedical Engineering (PPGEB), in Mechanical Engineering (PPGEM), and other alternatives.

www.eduglopedia.org
PROGRAMS

Applied Computing Graduate Program (Programa de Pós-Graduação em Computação Aplicada)

The Applied Computing Graduate Program (PPGCA) is a graduate program in Applied Computing offered by the Informatics Academic Department (DAINF) of the Federal University of Technology - Paraná (UTFPR). It is a professional Master degree.

The program was created in 2009 and benefits from the infrastructure and human resources of the Informatics Department (DAINF), which also offers undergraduate courses in Computing Engineering and Information Systems.

The Applied Computing Program (PPGCA) develops research on the conceptualization, development, construction, assessment and optimization of computational and information systems. It addresses issues concerning the hardware, software, information, methods and documentation of such systems. As a professional master's degree, it fosters a close relationship with industry and other segments of society.

The graduate program has tracks on Software Engineering, Graphic Processing, Networking and Distributed Systems, Embedded Systems, Information Systems, Logics and Intelligent Systems.

Bachelor of Information Systems (Bacharel em Sistemas de Informação)

The bachelor programme in Information Systems has a flexible educational structure, which allow students to follow different curricular trajectories. It is structured on three layers: (i) A first layer, which provides the foundations of computing and other knowledge areas such as mathematics, social sciences, and business (1290h); (ii) a second layer, which provides and introduction to specific areas of computing, including HCI, Information Systems Management, Integrated Systems Development, Intelligent Systems, Image Processing, Theory of Computing, Software Engineering, History of Technology and Human Behaviour in Organizations (360h); (iii) a third layer that provides multiple tracks of specialization, both within computing (270h), and beyond it (180h), enabling students to blend different areas during their degree, such as Social Sciences, Business, Design, Education, Mathematics, Physics, Electrical Engineering, Automation and Control, Communication.

This degree curriculum intends to graduate professionals capable of addressing the demands of different organizations, such as public, private, non-governmental, etc, in a professional, ethical and responsible way. Due to the flexibility of the curriculum, after completion of the program, students may have followed tracks that enable them to work on areas such as system development and support, software engineering, databases and information management, computer networks and security, computing theory, intelligent systems, image processing, embedded systems, mobile computing and web design, human-computer interaction and computing education, among others.

Highlights

- Very flexible programme but with good core foundations
- Several tracks of specialization, within computing and beyond it, enabling interdisciplinary profiles
- Three capstone projects along the degree, providing good balance between theory and practice
Graduate Program on Applied Computing (PPGCA)

The Graduate Program in Applied Computing (PPGCA) is a *stricto sensu* graduate program in the Informatics field, offered by DAINF (the Informatics Academic Department) of the Federal University of Technology - Parana (UTFPR). The program currently offers a master’s degree over a period of 2 years, providing several different specialization tracks in Computing among which Information Systems.
A Universidade Federal do Ceará oferta o Curso de Bacharelado em Sistemas de Informação, com sede em Quixadá (CE), sintonizada com as iniciativas da área de Tecnologia da Informação do Estado e atenta às necessidades qualitativas e quantitativas exigidas pelo mercado de Tecnologia da Informação (TI).

A disciplina acadêmica/profissional de Sistemas de Informação contém-se de uma ponte entre os campos multidisciplinares de negócios e de ciência da computação. Nessa área, estuda-se os processos de concepção, desenvolvimento e implantação de um sistema de informação, bem como os tipos de características inerentes a tais sistemas. As organizações empregam soluções de sistemas de informação com o objetivo de melhorar a eficiência e eficácia com que operam suas atividades. Por esse motivo, tais soluções estão relacionadas a atividades estratégicas operacionais e de gerenciamento, normalmente com aporte computacional.

www.eduglopedia.org
PROGRAMS

Information System

Is a bridge between multidisciplinary fields of business and computer science. In this area, we study the processes of conception, developing and implementing an information system, as well as the types of characteristics inherent to such systems. Organizations use information systems solutions with the aim of improving the efficiency and effectiveness with which they operate. For this reason, such solutions are related to strategic operational and management activities, usually with computational contribution.

Highlights

- Business Process
- Data Bases
- Programming
- Computer Networks
- Mathematics
UNIVERSITY OF SAO PAULO

School of Arts, Sciences and Humanities
University of Sao Paulo
Rua Arlindo Béttio, 1000
USP Leste
03828-000 Sao Paulo
Brazil

Contact: Maria Cristina Motta de Toledo
Institution website: www.each.usp.br

ABOUT

The School of Arts, Sciences and Humanities is one of the youngest schools within University of Sao Paulo.

It has a single organizational structure without any academic departments.

The aim of EACH is to prepare professionals and researchers for a complex vision of society, culture and science. It is based on a strict commitment to the development of inter-, multi- and trans disciplinary perspectives as well as the pursuit of knowledge innovation. Two of its key features are the Basic Cycle, a series of common studies to all undergraduate programs, and the establishment of a strong connection with local low-income communities through research projects and extension activities.

Every year, 1,020 students are admitted in the undergraduate programs, allocated into morning, afternoon and evening periods. EACH currently has approximately 5,000 students in undergraduate programs, and 150 students in graduate programs.
PROGRAMS

Master of Science Graduate Program in Information Systems

In the new millennium, computer-based systems are predominantly used in all human activities. However, since the economy and social relations are centered on computers and devices connected via a network, the use and reliance on computing systems have expanded in recent years. In this new economic and social context, basic human activities such as trade, services, manufacturing, education, entertainment and interpersonal relationships occur in the digital space.

Meanwhile, technological advances have enabled constructing increasingly complex computational systems that process large volumes of data in different formats (such as image, sound, multimedia, and three-dimensional environments). This is because these systems deal with highly complex problems. For example, in the two largest U.S. stock exchanges (NYSE and Nasdaq) most stock transactions are largely performed by automated systems, without human interference. These systems use computational intelligence and data mining concepts to make stock buying and selling decisions in a matter of milliseconds. Consequently, a part of the global economy is largely dependent on the accuracy and reliability of computational systems. Another recent example is the mandatory use of simulators for issuing driving licenses in Brazil. These simulators integrate concepts of graphics processing, databases, software engineering, human-computer interaction, among others, a construction which entails high-complexity activity.

These highly complex systems do not have their behavior determined separately. Instead, their behavior is dependent on their organizational positioning, and their interaction with users and other systems that can operate in collaboration or in competition. Thus, what is observed is not the behavior of each system individually, but the behavior emerging from the interaction among the various systems. Problems of this nature are handled by computing systems in the areas of natural resource management, intelligent control of energy systems, natural disaster response, consumption and demand for media products (film, radio, television), among others.

In this scenario, problems require professionals and researchers who study, develop and manage diverse knowledge in multidisciplinary fields. These professionals are not only required to have expertise in computer science, but also in areas such as economics, management, business, psychology, sociology and health. In other words, these systems are based on socio-technical concepts.

The endeavor of the Graduate Program in Information Systems (PPgSI) of the School of Arts, Sciences and Humanities at the University of São Paulo, Brazil, regards contributing to the solution of highly complex real problems. This goal involves the development of scientific research directed to address these problems and to train human resources with extensive knowledge to solve them. PPgSI offers an Academic Master of Science in the Computer Science field.

Aimed at contributing to the solution of real problems, PPgSI defines an area of concentration which includes its research activities, denominated Information Systems (Computing Methodology and Techniques). The purpose of this area of concentration is proposing, developing, implementing and evaluating methodologies and techniques in key fields of computer science which, when integrated, provide solutions to the challenges of different application areas of knowledge.

Additionally, these computational methodologies and techniques can result in tools and products, which in turn can viably provide innovation and technology transfer to the productive sector. Ergo, PPgSI has a robust focus on applied research. Furthermore, the startups that have emerged in recent years have set forth solutions to urban problems by integrating data from different settings and contexts in order to provide extremely useful applications, and even changes in customs among people. Examples of
solutions presented by such startup companies include: product pricing search (integrating images, data from companies and social networks); search for job candidate profiles in various social networks; and hiring different services (such as taxis and meals) considering the integration of GPS data, images and tele-communication. Some of these companies are consolidated and market leaders in their segment, bringing technological innovation to various sectors of society. PPgSI is driven by this paradigm, so that the in-depth knowledge of computational methodologies and techniques, coupled with knowledge of the challenges in society, can provide intelligent and innovative solutions to these issues.

Within the area of concentration “Information Systems (Computing Methodology and Techniques)”, PPgSI encompasses two research lines: **Systems Development and Management** and **Systems Intelligence**. The former covers aspects of management and development of these complex computing systems, constituting research areas related to Database, Software Engineering, Information Technology Management and Human-Computer Interaction, although other computing areas are not excluded. The latter aims at promoting the development and use of intelligent techniques to assist in solving highly complex systems related to challenges in society, encompassing traditional research computing areas such as Artificial Intelligence, Graphics Processing and Pattern Recognition.

In addition, to contribute to the solution of real problems, PPgSI directs its research efforts across ten application areas, namely: Enterprise Environments and Business Processes; Bioinformatics; Biometrics; Economics; Education and Distance Learning; Internet and Social Networks; Games; Linguistics and Natural Language; Chemistry; Robotics; and Health. These application areas are dynamic, within PPgSI, with respect to the researchers’ interests, society needs and established partnerships.

**Highlights**
- Database
- Human-Computer Interaction
- Software Engineering
- Artificial Intelligence
- Pattern Recognition
Further institutions on EDUglopedia:

**Centro Universitário Estácio da Amazônia**
Departamento Acadêmico de Tecnologia da Informação
**EDUglopedia:** eduglopedia.org/go/departamento-academico-de-tecnologia-da-informacao-centro-universitario-estacio-da-amazonia

**Federal Institute of Education, Science and Technology of Alagoas**
Coordination of Bachelor Graduates in Information Systems

**Federal University of Pernambuco**
Center of Informatics
**EDUglopedia:** eduglopedia.org/go/center-of-informatics-federal-university-of-pernambuco

**Federal University of Technology – Paraná**
Informatics
**EDUglopedia:** eduglopedia.org/go/informatics-federal-university-of-technology-parana

**Federal University of the State of Rio de Janeiro**
School of Applied Informatics
**EDUglopedia:** eduglopedia.org/go/school-of-applied-informatics-federal-university-of-the-state-of-rio-de-janeiro

**Fundacao Getulio Vargas – FGV**
Escola de Administração de Empresas de São Paulo
**EDUglopedia:** eduglopedia.org/go/escola-de-administracao-de-empresas-de-sao-paulo-fundacao-getulio-vargas-fgv

**Instituto Federal Catarinense - Campus Camboriú**
Bacharelado em Sistemas de Informação - BSI
**EDUglopedia:** eduglopedia.org/go/bacharelado-em-sistemas-de-informacao-bsi-instituto-federal-catarinense-campus-camboriu

**Pontifical Catholic University of Rio Grande do Sul (PUCRS)**
Business School
**EDUglopedia:** eduglopedia.org/go/business-school-pontifical-catholic-university-of-rio-grande-do-sul-pucrs

[www.eduglopedia.org](http://www.eduglopedia.org)
Rural Federal University of Pernambuco
Academic Unit of Serra Talhada
EDUglopedia: eduglopedia.org/go/academic-unit-of-serra-talhada-rural-federal-university-of-pernambuco

Universidade de Caxias do Sul
Centro de Ciências Exatas e da Tecnologia
EDUglopedia: eduglopedia.org/go/centro-de-ciencias-exatas-e-da-tecnologia-universidade-de-caxias-do-sul

Universidade Federal de Pernambuco-UFPE/Brazil
Department of Information Science
EDUglopedia: eduglopedia.org/go/department-of-information-science-universidade-federal-de-pernambuco-ufpe-brazil

Universidade Federal de Santa Maria - UFSM - Campus Frederico Westphalen
DTecInf - Departamento de Tecnologia da Informação
EDUglopedia: eduglopedia.org/go/dtecinf-departamento-de-tecnologia-da-informacao-universidade-federal-de-santa-maria-ufsm-campus-frederico-westphalen

Universidade Federal de São Paulo
Escola Paulista de Medicina
EDUglopedia: eduglopedia.org/go/escola-paulista-de-medicina-universidade-federal-de-sao-paulo

Universidade Federal do Rio Grande do Sul
Escola de Administração
EDUglopedia: eduglopedia.org/go/escola-de-administracao-universidade-federal-do-rio-grande-do-sul

Universidade Federal Rural de Pernambuco – UFRPE
Unidade Acadêmica de Garanhuns - UAG
EDUglopedia: eduglopedia.org/go/unidade-academica-de-garanhuns-uag-universidade-federal-rural-de-pernambuco-ufrpe

Universidade Federal Rural do Rio de Janeiro
Departamento de Ciência da Computação
EDUglopedia: eduglopedia.org/go/departamento-de-ciencia-da-computacao-universidade-federal-rural-do-rio-de-janeiro

www.eduglopedia.org
Universidade São Judas Tadeu
Faculdades de Tecnologia e Ciências Exatas
EDUglopedia: eduglopedia.org/go/faculdades-de-tecnologia-e-ciencias-exatas-universidade-sao-judas-tadeu

University of Sao Paulo
Department of computer systems, ICMC/USP
EDUglopedia: eduglopedia.org/go/department-of-computer-systems-icmc-usp-university-of-sao-paulo

Universidad Externado de Colombia
Facultad de Administracion de Empresas
EDUglopedia: eduglopedia.org/go/facultad-de-administracion-de-empresas-universidad-externado-de-colombia

Universidad del Pacifico
Engineering School
EDUglopedia: eduglopedia.org/go/engineering-school-universidad-del-pacifico
The density of programs has been calculated by dividing the number of reported programs by the population (in millions). The darker the color, the higher the density.
ALBANIA

The following institution provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

Aleksandr Moisiu University in Durrës (AUMD) is a public academic institution of the Republic of Albania. The University is located in Durrës and was founded by the Albanian government on 20 December 2005. Being a multidisciplinary university, it offers six major fields of studies and more than forty programs in undergraduate studies (Bachelor Degree) and graduate studies (Professional Masters, Masters of Science and Doctoral School of Business). The number of the currently enrolled students is above 9000 (nine thousand) students and the university is one of the best higher education institutions in Albania. Through the establishment of “Aleksander Moisiu” University, the Albanian government wanted to offer the best experience of Western Europe Higher education practices.

Students are the main focus of the University and are considered the key stakeholders in every academic activity. Consequently, every university process and facility is oriented in providing the best university experience to the students. This is achieved through a highly motivated and qualified academic staff, computer facilities and a variety of extra-curricular activities. The university offers a unique academic experience through offering interactive learning programs offered by well-trained academic staff, student counseling and easily accessible electronic and physical library that enable students to perform high quality research.

Differently from other public universities in the country, AMUD is using the American grading system. The university offers unique studying curricula, Information Systems major being one of them.
PROGRAMS

Bachelor of Information Systems

Information Systems are becoming an integral in modern society and are a primary engine behind much of the world's economic and social change. In order for the young professionals to implement an IS, they do not only need the in-depth knowledge and skills, but also need to understand the context in which computer technology can best be selected, applied and implemented.

The major of Information Systems at Aleksander Moisiu University will provide the necessary knowledge and skills to plan, develop and integrate applications and IS into a global business environment. The mission of this program is to provide the students with the fundamentals of current and emerging information systems technology, organization theory, decision making, teamwork and leadership skills as well as research methods. They will acquire the skills to analyze existing IS, develop new systems and find solutions to common IS management issues.

Highlights

- Project-based studies
- Excellent student-to-teacher ratio
- Unique and future-oriented course structure
- very good employment opportunities
- wide knowledge
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Department of Information Systems, Production and Logistics Management

UNIVERSITY OF INNSBRUCK

Department of Information Systems, Production and Logistics Management
University of Innsbruck
Universitätsstrasse 15
6020 Innsbruck
Austria

Contact: Steffen Zimmermann
Institution website:
www.uibk.ac.at/fakultaeten/betriebswirtschaft/study_programs/master_information/

ABOUT

The University of Innsbruck is a public university. The University was founded in 1669 and is the biggest and most important research and education institution in western Austria, today comprised more than 28,000 students and more than 4,500 staff and faculty members. Located in the heart of the Alps, the University of Innsbruck offers the best conditions for successful research and teaching, and international rankings confirm the University's leading role in basic research.

In such a productive environment 16 faculties provide a broad spectrum of programs in all fields of study. In order to promote international exchange in research and teaching, the University collaborates with numerous international research and education institutions.
PROGRAMS

Master program: Information Systems - Managing IT for Global Value Networks

The Master programme in Information Systems offers a blended mixture of management and computer science concepts, modelling skills and hands-on experiences in small groups applying leading-edge information technologies to real-world business opportunities. Typical challenges are development, customizing and continuous improvement of enterprise systems, establishing information infrastructures for knowledge workers, horizontal, vertical, business process-oriented and inter-organisational integration or development of IT-oriented business models and strategies. Information systems are part of a series of value-adding activities for acquiring, transforming, and distributing information so that managers can improve their decision making process, enhance organisational effectiveness and performance. A key asset of the Master programme in Information System is its joint offering by experienced faculty in Information Systems, Management and Computer Science integrating a business and a computer science perspective on information systems into the process of learning.

Highlights

- work in small groups
- international information systems case studies
- advanced technology-enhanced collaborative learning concepts.
- international audience (program in english)
ABOUT

Entertainment, culture, education - Tirol has many things to offer. Nestled in one of its most beautiful landscapes, the Kufstein University of Applied Sciences offers international & innovative degrees in both Economics and Engineering & Business Administration preparing students for their future career. Its high teaching standards have earned it multiple awards.

Due to the hands-on nature of the degrees offered and the opportunity to broaden horizons during the obligatory semester abroad, Kufstein University of Applied Science students are - even pre-graduation - highly sought after by employers.

www.eduglopedia.org
**PROGRAMS**

**ERP Systems and Business Process Management**

The ERP Systems & Business Process Management Master’s Degree program provides a sound education in the process-oriented conception of IT systems for businesses. Students are given sound management training with an international orientation, geared towards the analysis, design and implementation of IT-supported business processes.

Enterprise Resource Planning Systems (ERP) are becoming more and more important, even in small and medium sized enterprises. The choice, introduction and adaptation of these systems in business are the focus of this field of study. Course contents furthermore include the definition of applicable IT strategies, the development of business plans and the strategic analysis of software systems. Specialist knowledge on the topics of Data Warehousing, Supply Chain Management, Customer Relationship Management and Financial Reporting are all part of the degree program.

A further feature of the course involves practical projects, which are carried out with clients from the industry. This essentially tests the students' knowledge of planning, organization, design and improvement of operational processes. Thus, graduates can go on to develop their own approaches to finding solutions for a range of problems.

**Highlights**

- Integration of process / quality management and ERP systems
- Transfer of knowledge into practice by working on projects for industry clients
- Possibility of higher-level professional certificates
- Insight into the latest trends by attending expert conferences
ABOUT

The Department Digital Business (www.fh-ooe.at/digital-business) in Steyr is part of School of Management of University of Applied Sciences Upper Austria. The School of Management conducts research and development in close coordination with the needs of the economy, which guarantees a rapid transfer and adoption in industry as well as society.

The Digital Business Department is concerned with the changes and resulting requirements of digitalization - issues which have emerged due to the wide use of the internet and other new technologies in business and society. By 2015 FHO has processed 334 R&D projects whereas 64 had an international focus. The total turnover of the same year was € 14,28 Mio. FHO was participating in 14 FP7 and H2020 projects, 4 of which as a coordinator. All national, European and international R&D projects are handled through a central coordination to easier manage financial and organizational aspects of R&D projects at the "FH OÖ Forschungs & Entwicklungs GmbH.

The main study programs of the Digital Business Department are:

- Bachelor of Marketing and Electronic Business (www.fh-ooe.at/meb)
• Master of Digital Business Management (www.fh-ooe.at/dbm)

• Joint-PhD Program Digital Business International (www.fh-ooe.at/dbi)
PROGRAMS

Digital Business Management

Digital Business Management (www.fh-ooe.at/dbm) Digital media and technologies have a strong influence on our business world and our society. They change competition in digital business and require new, innovative business models. Digital Business Management, the first Master’s degree programme offered by a university of applied sciences in cooperation with a traditional university looks at this dynamic competitive environment, influenced as it is by lasting digitalization of business processes, new entrepreneurship, global markets, interculturality, the increasing importance of intra-channel marketing measures and digital interconnectedness.

The Master’s degree programme, DBM is the first study programme in Austria to be offered jointly by a traditional university and a university of applied sciences. It therefore combines the benefits of both education systems, namely practical orientation and scientific nature. As a student you get to know both systems, with the best organizational framework for completing a Master’s degree programme in the minimum study time of four semesters. This enables you to study purposefully while pursuing your career at the same time. The program is taught for part-time students which means, that it is held on Friday afternoons, all day Saturdays and 2 intensive weeks a year alternately at the JKU Linz and at the Upper Austrian University of Applied Sciences Steyr campus.

Focus of the Studies:

- Sales and Sales Management: ability to conceptualize, evaluate, push forward and control strategic sales decisions.
- Digital Business and Digital Marketing especially in
  - E-Business, E-Commerce, Mobile Business Strategic Aspects of Digital
  - Business and Information Management Entrepreneurship, Business
  - Modelling and Project Management Social Media, Digital Marketing and Multichannel-Marketing
- Leadership and Management Competence
- Methodological competence in science and practice Creativity, innovation and implementation expertise

Highlights

- Combining Science and Practice - Joint Program of University and University of Applied Science
- exceptionally future oriented education in a growing market with top job opportunities
- Business Trip to Digital Business companies in the last semester
- interdisciplinary, up-to-date curriculum

Marketing and Electronic Business (Bachelor)

The Internet is constantly confronting companies with new challenges. Consumer behaviour is changing, pressure from rising costs and increasing competition increase the use of the Internet in the B2B-sector. Companies have to react to these challenges. In order to do so they require comprehensively trained staff, with a combination of competencies in the Internet,
marketing and management. This degree programme offers an interdisciplinary training in economics, which is tailored to meet the challenges of the digital world.
ABOUT

The computerisation of everyday life, the "Internet of Things" or "Smart Homes" are realistic visions of the future, which are created by research laboratories of high-tech companies and universities. The economy, in the meanwhile, is working intensively on new concepts for processing, providing and collecting data: cloud computing, virtualisation, Semantic Web, Mobile Computing, Intelligent Sensor Networks, Advanced Analytics or service-oriented architectures are just some of the catchphrases in this context. They promise to revolutionise the business processes of tomorrow. At Vienna University of Economics and Business (WU), the Department of Information Systems and Operations has taken on the task to shape the future by closely cooperating with companies and other research institutions in order to work out how those visions can be realised to ensure that the current challenges of the knowledge society, globalisation and sustainability can be mastered successfully.

The department consists of the following 5 institutes (external links):

- Information Business (Univ.Prof. Dr. Jan Mendling)
- Information Management and Control (Univ.Prof. Dr. Edward Bernroider)
- Information Systems and New Media (Univ.Prof. Dr. Gustaf Neumann)
- Management Information Systems (Univ.Prof. Dr. Sarah Spiekermann)
- Production Management (Univ.Prof. Dipl.-Ing. Dr. Werner Jammernegg)

www.eduglopedia.org
PROGRAMS

Information Systems

The Master Program provides students with IT knowledge and skills with a particular emphasis on management and research topics. The aim of the program is to combine technical and business topics wherever possible instead of providing separate courses. The program consists of a broad mandatory common body of knowledge that provides a basis of the electives, providing advanced contents in selective topics. The common body of knowledge covers the areas "IS and Organizations", "IS and Management", and "IS and Development". The curriculum of the master program was designed together with a board of leading Austrian stakeholders from industry and government to meet today's challenges and to give a solid basis for tomorrow's demands.

Under the following link an overview of the courses can be found:

https://learn.wu.ac.at/vvz/15w/108001

Highlights

- tight combination of business and information technology
- small classes
- international audience (program is fully in english)
BELGIUM

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:
Faculty of Economics and Business Administration, Department of Business Informatics and Operations Management

ABOUT

The department of Business Informatics and Operations Management is part of the nine departments which are effective within the faculty of Economy and Business Management of Ghent University.

This department's field of research is very extensive. Research is done into the following subjects: methodologies to develop strategic information systems, efficiency increase of administrative processes, production policy, project management, and project scheduling.

The department includes two research groups, namely one on operations management (OR) and one on management information systems (MIS). Regarding the latter, the MIS research vision has been translated into "Business Architecture & Process Management". It consists of three interrelated research pillars: (1) Enterprise Modelling, coordinated by Prof. dr. Poels, (2) BPM methods & tools, coordinated by Prof. dr. Gailly, and (3) Process Orientation, coordinated by Prof. dr. Van Looy. Across these three pillars, different themes have been identified on which future research may particularly focus, such as SMEs, public sector, healthcare, service sector, Business-IT consultancy and disruptive technologies. Every theme has one or more expert(s) within the MIS research group.

Institution website: www.ugent.be/en

http://www.mis.ugent.be/aboutus/

www.eduglopedia.org
PROGRAMS

Business Administration - Management & IT

This 1-year Master of Business Administration at Ghent University covers the specialization area of IT management. It includes all aspects of a typical software engineering cycle, as well as managerial courses and guest lectures of recent business cases and trends in the IT domain.

This program is taught in Dutch.

Highlights

- 1-year program taught in Dutch
- 1 in 5 Ghent University graduates obtained a degree at the faculty of Economics and Business Administration.
- 6.7% of the Flemish students graduate at the FEB.
- 95% of the FEB alumni have a job one year after graduation.

Business Engineering

The Master of Business Engineering at Ghent University focuses on Management and Data Science, Operations Management and Information Systems. These three sub-disciplines are taught throughout the two-year master through theoretical lectures, practical case studies and business games as well as by guest speakers and company projects. The master contains three specialization areas: data analytics, finance and operations management. A graduated business engineer will act as a mediator between technical and business econom-
The Leuven Institute for Research in Information Systems (LIRIS), founded in 1987, coordinates research in the area of information technology and management in organizations. This research embodies: fundamental issues of information systems in organizations (dealing with concepts, models, generic methods, tools and techniques), applied research (relating general research results to specific problems and application areas), and research on the use and implications of information systems throughout society.
PROGRAMS

Master of Science in Business & Information Systems Engineering

In the Master of Business and Information Systems Engineering programme students are trained in both business management as well as Information Systems in an international context.

The programme is intended for holders of an academic Bachelor's degree from a recognized university in business economics with a substantial quantitative, technological and IT component, or an academic Bachelor's degree from a recognized university with a strong quantitative and/or technological focus and with sufficient knowledge of business economics and management science.

Master of Science in Information Management

The Master of Science in Information Management (MINFM) offers you advanced, non-technical training in information management. The emphasis is on the efficient and effective application and management of IT in various business contexts such as finance, marketing, HR, production, and logistics. The programme provides basic training in technology as well as in-depth insights into specific management issues. This will help you develop the skills you need to analyse information needs, design and manage information systems, and fine-tune an IT strategy that fits in with the overall business strategy. The key focus is on the preliminary design needed to develop and set up an information system. In completing your master's thesis, you can apply the acquired skills within a specific business context. Finally, a wide range of electives enables you to either explore specific areas in greater depth or gain a broader understanding through a multidisciplinary approach.

www.eduglopedia.org
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:
UNIVERSITY OF RUSE

Dept. of Informatics and Information Technologies
University of Ruse
8 Studentska Street
7017 Ruse
Bulgaria

Institution website: www.uni-ruse.bg
EDUglopedia: eduglopedia.org/dept-of-informatics-and-information-technologies-university-of-ruse

ABOUT

"Angel Kanchev" University of Ruse is an autonomous state higher education institution. It was transformed with a Decision of the People's Assembly of 21 June 1995 and is a successor of the higher technical school, established in Ruse on 12.11.1945. There are eight faculties in the structure of the University: Agrarian and Industrial Faculty, Faculty of Mechanical and Manufacturing Engineering, Faculty of Electrical Engineering Electronics and Automation, Faculty of Transport, Faculty of Business and Management, Faculty of Natural Sciences and Education, Faculty of Law, Faculty of Public Health and Healthcare, two Branches of Ruse University in Silistra and Razgrad and a Bulgarian and Romanian Inter-university Europa Centre.

The Department of Informatics and Information Technologies was established in 1981.

The Department is responsible for the teaching of students enrolled for the professional field Informatics and Computer Science of bachelor's and master's degrees. It also conducts relevant courses of Informatics and Information Technologies to students of all Ruse University programmes, which differ by contents and curriculum hours.

The curricula of all programmes in Informatics and Computer Science have been worked out in accordance with the requirements of the modern software industry and the recommendations of the Association of Computing Machinery (Computing Curricula 2001).
PROGRAMS

COMPUTER SCIENCE

The main target of the study program is to graduate professionals in Computer science who possess deep knowledge and skills for working in the field of Informatics and Computer Science.

The professional development of bachelors in computer science is aimed at software operating, maintenance and development, as well as administration of programming systems and networks.

Bachelors of Computer Science are equipped with professional skills and programming language knowledge in the area of Informatics and Computer Science. Graduates are also provided with good mathematical learning. The professional qualification is guaranteed by the well-balanced proportion of basic courses in Informatics, Mathematics and other practice-oriented subjects.

The study program involves: - Basic courses in the main branches of Informatics and computer science, Mathematics, Mechanics, and foreign languages; - Specialized courses covering due knowledge on computer architectures, network communications, computer linguistics, image processing, web design, etc. included in groups of elective subjects; - Acquisition of practice oriented knowledge and skills for using modern software products.

Highlights

- small groups of students
- low tuition fees

INFORMATICS AND INFORMATION TECHNOLOGIES IN BUSINESS

The main target of this study program is to graduate highly qualified specialists - bachelors in Informatics and IT in Business for the needs of the businesses, state and local administration and other organizations.

The professional intent of bachelors in Informatics and IT in Business is to work as applied programmers, supervisors, administrators of databases, system administrators, professionals for computer technologies implementation in the administrative-managerial, planning-prognostic and financial-accounting spheres.

Bachelor-graduates of Informatics and IT in Business are provided with professional skills and language culture in the field of Informatics and IT, as well as competencies for using economic-mathematical models for optimizing industrial, financial, business processes. The professional qualification is guaranteed by the well-balanced proportion of basic courses in Mathematics, Applied Informatics and Economics.

The study program involves:

Basic courses in the main branches of Informatics and IT, foreign language, mathematics, economics, and commercial law bases;

Specialized courses covering due knowledge on computer architectures, network communications, image processing, multimedia systems and technologies, web design, etc. included in groups of elective subjects;

Acquisition of practice-oriented knowledge and skills for using modern software products.

Highlights

- small groups of students
- low tuition fees

SOFTWARE ENGINEERING

This master degree program is one of the first courses in our country that has been developed mutually by an academic institution (University of Ruse) and an industrial software engineering firm (Sirma Group). The main objective is to train and graduate specialists in the field of
software engineering in compliance with the requirements for Masters in Software Engineering of international professional organisations like the ACM and the IEEE Computing Society. The study program is intended to train masters who can start working as business analysts, software designers, code and test engineers, managers of software projects at large-scale companies, self-employed software engineers or advisers in the area of software designing, development and maintenance.

The Degree Programme is built by courses of Object Oriented Programming (JEE), Design of Software Systems (UML) and Software System Engineering (CBSE). Special attention is paid to the first and last tier of the multi-layer software architectures, being essential for the software application quality of life by teaching courses of Web-components Programming (JSP, JSF) and Databases (Oracle). Students acquire designing skills by studying courses of Computer Systems and Networks and SOA Environments. Issues related to the quality of the applications developed and their testing are within the focus of all the above-mentioned courses. Students gain knowledge on the internal and external organisation of software businesses, marketing issues, as well as business and technological process management by studying the course of Software Project Management based on International standards in the area of RUP, CMMI and Prince.

The basic working principles of the Programme can be listed as the provision of increased practice sessions’ curricular hours, the teamwork, the competitive start and the work on real problems from the software industry. The individual practical work on a real problem is implemented within the course of Workshop 1. Teamwork and competitive start are required for the course of Workshops 2 and 3, as well as for the Master thesis development. The study program ends with a diploma project that is assigned during the second term; it is worked out by student team and is defended by the team.

Highlights

- small group of students
- reasonable fees
SOFIA UNIVERSITY

Faculty of Mathematics and Informatics
Sofia University
5 James Bourchier Blvd.
1164 Sofia
Bulgaria

Institution website: [www.fmi.uni-sofia.bg/en/](http://www.fmi.uni-sofia.bg/en/)

ABOUT

The Faculty of Mathematics and Informatics (FMI) was founded on 24 November 1889 as a Physics and Mathematics Division to the first and most prestigious university in Bulgaria - Sofia University “St. Kliment Ohridski”. Throughout its long story FMI has been a spiritual centre of higher education and research. The mission of the Faculty of Mathematics and Informatics at Sofia University is:

- to preserve, enrich and transmit the knowledge in the field of Pure and Applied mathematics, Informatics and Computer science;
- to be a national leader and a European centre for university education in Mathematics, Informatics and Computer Science;
- to be a scientific centre of European importance and international recognition.

FMI conducts high-level education by preparing skilled staff for business and education - knowledgeable and capable, enterprising and creative. Lecturers work actively and purposefully for giving high-quality training, as evidenced by the success of the graduates of the faculty at international competitions and Olympiads in Mathematics and Informatics, especially the good
realization as professionals both in Bulgaria and abroad. FMI graduates are sought after by companies, banks and government institutions. They won recruitment competitions for university lecturers in universities and for researchers in research institutes. Many of them continue their education at prestigious universities in Western Europe and North America.

The aim of the training conducted at FMI is that the students graduating from the faculty gain solid knowledge and skills to achieve effective professional and social realization. FMI prepares specialists capable of reasoning effectively and constructively with motivation to constantly improve their knowledge and skills. Through active communication in an academic environment future professionals build their attitudes and skills for creative thinking, lifelong learning and working in dynamically changing conditions.

Teaching activities related to education promote students' innovative spirit and their desire for personal development. During their education at FMI they acquire skills for successful adaptation to a highly competitive environment. FMI maintains a level of training which ensures students' mobility within the European Union and international cooperation programs. FMI successfully combines training in professional fields with research and attracts students to joint execution of scientific and educational projects at a national and international level.

High-quality training is the result of the high level of scientific and applied research conducted at FMI, which is oriented to a wide range of problems of modern science.

FMI develops modern information infrastructure for teaching and research. The library of the faculty has a fund of about 80,000 volumes which includes the oldest collection of mathematical literature on the Balkan Peninsula. The computer labs are equipped with modern equipment and software, and the building of the faculty has Wireless Internet.
PROGRAMS

Distributed Systems and Mobile Technologies

The MSc Program Distributed Systems and Mobile Technologies (DSMT) offers wide spectrum of knowledge in areas of computer networks, software technologies, distributed information systems, computer technologies and telecommunications. The program lasts 3 semesters (one year and a half), where the last semester (last half year) is dedicated to the development of MSc Thesis.

The goal of the program is to give to the students the necessary knowledge and practical skills which will enable them to become valuable experts in these contemporary and very fast developed areas.

The program gives to the students the abilities to design, build and interconnect complex distributed information systems with remote control, as well as to grow as experts in these science fields.

Information Systems

Goals

Educational: To provide the students with comprehensive knowledge in different aspects of information technologies – bases of the information systems, as well as means for business development.

Professional: To train highly competent specialists who will acquire theoretical knowledge and practical skills for information systems development and support.

Highlights

- theoretical knowledge, practical and organizational skills

IT Services and Projects

Goals

The Master Program on Information Technology Services and Projects includes a series courses addressing the latest areas of information technology aimed at building sophisticated and complex software solutions.

The aim of the program is to developing skills to understand the particular challenges posed by Management of services, technologies and tools for planning, organizing and quality control Services. At the same time, students acquire good practices in their organization the development of software and IT applications, acquire knowledge and skills for analysis and planning business processes, designing complex, flexible software systems with a service orientation, skills for process integration, service management, technology and business projects, professional attitude and responsibility in teamwork, knowledge of relevant standards.

Curriculum

- Initially developed on the recommendations of IBM’s Almaden Research Center’s IT Services Program

- Materials and software, provided by IBM, Oracle (academic programs)

- Good practices from leading universities in the US and Europe

- Lecturers and professionals with proven experience
DENMARK

DISTRIBUTION OF PROGRAM TYPES  DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

The department of information technology management is one of the largest of its kind in Europe. Our aspirations are equally grand for our research and for our degree programmes. The department’s research concentrates around research themes which are topical, popular, inter-disciplinary and dynamic in nature. Currently ITM focus on social business, open big data, the cashless society, internet of things, and IT in mergers and acquisitions.
PROGRAMS

BSc (it.) - Business Administration and IT
HA (it.) Erhvervsøkonomi og informationsteknologi

BSc (IT.) focuses on the impact of technology on business. Businesses today are highly influenced by technological developments. Therefore the aim of the training that you learn how to implement IT systems can affect and improve a company's way of doing business. At the same time, we believe that the company's IT staff and other departments and employees depend on each other - and therefore need to understand each other. Personnel Department is, for example, have to use a number of IT systems to create an overview of the employees. And the IT department must know the economics department's tasks to develop the right IT solutions.

At BSc (IT.), You develop the ability to understand a company from IT, economic and human aspects. You also get tools to develop, select, implement and manage the use of IT systems that target the specific needs

Highlights

- This program is taught in Danish only. The program is a 30 year old program being very successful in getting student a successful job path.

Business Administration and Information Systems

At the MSc in Business Administration and Information Systems you learn how to use information and information technology to add value to companies and organisations. You gain an understanding of how IT affects the organisational structure and financial results of a company - and how the organisational needs and economic reality creates possibilities and constraints on the IT architecture.

Highlights

- Awarded Best IS program in Europe 2014

E-business

E-business focuses on the opportunities that IT can provide when private and public organisations interact with their costumers, clients or stakeholders. You will learn to understand and develop IT-based concepts that match the needs of the users, but also how to implement and commercialize them. This allows you to create services, apps and other solutions that support the strategy and desired goal for both companies and society at large.

Information Management

The BA IM teaches you how companies work with data and information in a digitalised age. You will develop an understanding of digitalisation and knowledge creation in a business context - and learn how to develop and implement modern information solutions.

In the ever-changing, digitally connected business world, companies need tools and capabilities to understand and process enormous amounts of digital information. Data must be gathered and analysed in a structured way in order to create knowledge that can be used to reduce risks and take calculated business decisions.

For companies the digital challenge lies not in gathering information as such but in interpreting and making sense of it. Successful businesses need not only to have the right information platforms but also to understand the different forms of digital information available in order to integrate effective knowledge sharing as an
important part of how companies operate, learn and innovate.

The structure of the BA in Information Management reflects the different areas you have to understand and the different ways you need to combine these areas in order to help companies adapt to the constantly changing digital challenges.

You will develop a wide range of competencies within organisation theory, information science and communication studies that will help you understand how companies can and must adapt to a wide range of existing as well as developing information platforms covering everything from large, formal information and communications systems to social media. And you will learn how different types of information needs affect how the company has to plan and develop its communication strategies both internally and externally.

Highlights

- Very international program with international faculty and international students from a wide area of nationalities
ESTONIA

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Institute of Computer Science

UNIVERSITY OF TARTU

Institute of Computer Science
University of Tartu
J. Liivi 2
50409 Tartu
Estonia

Contact: Jaak Vilo
Institution website: www.cs.ut.ee/
EDUglopedia: eduglopedia.org/institute-of-computer-science-university-of-tartu

ABOUT

The Institute of Computer Science at the University of Tartu hosts more than 900 students across a range of Bachelor's, Master's and doctoral programmes. We have an international environment with almost all the Master's programmes taught in English. Every fourth member of our staff is also from abroad.

The Institute's mission is to deliver world-class computer science education that is both relevant in practice and grounded on rigorous conceptual foundations. On the research front, the institute is active in the fields of bioinformatics and data mining, natural language processing, information security and cryptography, programming languages, distributed systems, and software engineering. Members of the institute are partners in more than a dozen national and EU research projects.

We are also partners in the Estonian Centre of Excellence in Computer Science and the Software Technology and Applications Competence Centre — an R&D centre that conducts industry-driven research projects in the fields of software engineering and data mining.
PROGRAMS

Master of Computer Science

The International Master’s Programme in Computer Science prepares students for becoming leading specialists in public and private organisations and for further studies at the PhD level in Computer Science.

After passing the curriculum, the student:

- Has acquired core knowledge in the field of computer science and can use it to analyse and resolve practical problems;
- Has deeper knowledge of one narrower subfield of computer science and of its surrounding disciplines;
- Can do independent research on a problem posed by the supervisor and present his/her results in a coherent and understandable way.

Master of Software Engineering

The International Master’s Program in Software Engineering imparts general software engineering and management skills, as well as specialized skills in two major software application domains: enterprise systems and embedded real-time systems. The program is delivered jointly by Estonia’s two largest universities: University of Tartu and Tallinn University of Technology.

Highlights

- Unique combination of software engineering and management skills
- Specialization in enterprise software

Master of Innovation and Technology Management

The aim of the programme is to educate specialists who are able to implement ICT solutions to improve business systems and business processes in organizations. We welcome students who would not only like to be programmers or system managers but are also interested in management, innovation and entrepreneurship.

Upon completion the curriculum successfully, a student:

- Has a systemic overview of innovation theories and innovation policy
- Has deep knowledge in some field of research and/or application of innovation or technology management
- Is independently able to identify and formulate research questions in the field of innovation and technology management as well as find suitable methods to answer those
- Is able to collect, analyse and interpret data of company from strategic and operational level using suitable methods and evaluation criteria to measure productivity of the company
- Is able to use different methods to analyse company business processes to propose improvements and to measure implementation efficiency
- Is able to do business with digital products and manage those
- Is familiar with developments in technology and has a positive attitude towards life-long learning
- Is collaborative and can communicate with different stakeholders, is able to lead meetings and workshops

After graduation, students have an opportunity to work as innovation managers, technology managers, business analysts or process managers. Students also have the ability to start their own company, especially as a consultation business in implementing ICT solutions, or work in public sector in the filed of innovation policy or digitalisation. Student can also continue their studies at PhD level.

www.eduglopedia.org
Highlights

• Option to obtain a diploma from the International Institute of Business Analysts during the Masters studies
• Option to work with one of the top research groups worldwide in the field of business process management
• Internship opportunities in the Estonian startup sphere or in Estonia's well-known e-government sector
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

Information Systems Science at Aalto University School of Business has a strong focus on empirical studies and active cooperation with companies. Besides theoretical contributions, ISS studies often emphasize practical relevance. Our research deals with adoption, use and impacts of ICT on consumers, companies, and society at large.

We use multi-disciplinary approaches and apply theories from a number of reference disciplines, including management, organization sciences, marketing, and economics. Wide range of both qualitative and quantitative methods are used and often triangulated. Research teams and projects are encouraged. Most projects have both national and international partners, and results of our research are targeted at top tier academic journals.
PROGRAMS

Information and Service Management
ISM is an interdisciplinary education program with a wide perspective on managing global and information intensive business operations. The high-quality Master's programme is taught in English at the Aalto University in Helsinki, Finland.

Information based services are seen by the European Union as the primary growth area of advanced economies. The Master's Programme in Information and Service Management (ISM) educates future information professionals who are able to develop and manage these services.

The interdisciplinary nature and emphasis on data analysis and project management provides students with skills of analysing the ever-growing supply of information and new technologies and managing electronic business operations.

Highlights
- A public service hackathon as a capstone

Information Technology Program (ITP)
Information Technology Program (ITP) is a multidisciplinary summer program focusing on all areas of digital business at Aalto University School of Business.

The purpose of ITP is to provide students with a strong applied understanding of IT, design and the digital world. The program provides concepts and approaches that enable students with diverse backgrounds to operate effectively in the global business environment now and in the future. Students gain valuable real life project experience in business project course.

In the summer 2018 we offer three simultaneous tracks:
- Information & Service Business (ISB)
- Strategy & Experience Design (SED)
- Digital & Interactive Entertainment (DIE)

Information & Service Business (ISB) 24 ECTS
Information & Service Business (ISB) track is designed to provide students with a clear understanding of ICT consulting and business models, new digital business opportunities and the information ecosystem. The courses and business projects students are working on during the summer are focusing on the current ICT trends, big data, IoT, data driven decision making, mobile business, disrupting technologies and usability.

47C58200 Managing Software and Service Business 6 ECTS
47C52000 Achieving Strategic Advantage Through Distributed Technologies 6 ECTS
47C58600 Data-Driven Decision Making 6 ECTS
47C48000 Business Project 6 ECTS

Strategy & Experience Design (SED) 24 ECTS
Strategy & Experience Design (SED) track is designed to provide students with a clear understanding of basic methods for producing and designing digital media products and services, concept and design processes, and strategic decision making related to digital media. The courses and business projects conducted during the summer are focusing on strategic design processes, user experience design and visual prototyping in digital services.

47C58300 Strategic Design 6 ECTS
47C58400 User Experience Design 6 ECTS
47C58500 Prototyping and Implementation 6 ECTS
Digital & Interactive Entertainment (DIE) 24 ECTS

Digital & Interactive Entertainment (DIE) track aims at providing students with a clear understanding of basic methods, techniques and tools for managing digital marketing strategies. This concentration area focuses on digital marketing platforms, content marketing, digitalization, monetization business models, hands-on-work using a variety of digital marketing and analytics tools and strategic decision making related to digital marketing strategies.

47C59000 Digital Marketing Strategies 6 ECTS
47C59300 Platforms and Ecosystems 6 ECTS
47C59200 Web and Mobile Analytics 6 ECTS
47C48000 Business Project 6 ECTS

All tracks are worth 24 ECTS and are recognized as a minor subject in the M.Sc. program at the School of Business. ITP studies can be extended to 30 credits with extra work (47C58100 ITP Book Exam 6 ECTS) and is recognized as a minor subject in the B.Sc. program at School of Business.

Individual modules of the program are taught by visiting faculty. Visitors from other universities and from the business community are invited to for a short period in the field of their particular expertise. All courses are run in the form of intensive modules. A normal one semester university course is compressed to three weeks of full time study.

Each course includes 42 contact hours (3.5 hours a day, four days a week) excluding group work and individual assignments. In addition to theoretical studies all students complete a business project for cooperating companies under the program’s supervision. The working language is English. It is essential that students understand spoken and written English with ease, and can express their thoughts clearly in English.

ITP is open to all students enrolled in Finnish universities under the JOO agreement and to students from Aalto partner universities.

The application period for ITP 2018 is open until 31st January 16:00. Instructions and link to application form can be found at www.itp.aalto.fi.
ABOUT

The degree programme in information processing science provides the student excellent skills for working everywhere where information systems are developed and used. The ICT business is becoming more international and developing rapidly. Thus, there is considerable demand for experts in the field.

Studies in information processing science will provide the student good opportunities to get employed and build the career in the top positions of the ICT field. During the studies students can develop skills needed in the working life, including languages, oral and written communication, teamwork and problem solving. With minor studies it is possible to supplement the studies in the desired direction.
Information Processing Science, Bachelor of Science, 180 ECTS Credits

The degree programme in information processing science provides the student excellent skills for working everywhere where information systems are developed and used. The ICT business is becoming more international and developing rapidly. Thus, there is considerable demand for experts in the field.

Studies in information processing science will provide the student good opportunities to get employed and build the career in the top positions of the ICT field. During the studies students can develop skills needed in the working life, including languages, oral and written communication, team work and problem solving. With minor studies it is possible to supplement the studies in the desired direction.

Information Processing Science, Master of Science, 120 ECTS Credits

The degree programme in information processing science provides students with excellent skills for working anywhere information technology is developed and applied. ICT business is becoming both more international and developing rapidly. Thus, there is considerable demand for experts in the field. Studying information processing science at Oulu University will provide you with good opportunities to become employed and build your career further in the top positions of the ICT field.

Software, Systems and Services Development in Global Environment (Information Processing Science)

Software, Systems and Services Development in the Global Environment (GS3D) is a 2-year international master programme, completely taught in English.

Highlights

- Programming
- Software project management
- Scientific research
- Distributed software development
- Emergent topics in IT
ABOUT

Åbo Akademi University is a Swedish-speaking university with several programs also in English. It offers both undergraduate and graduate studies and extensive research opportunities to some 7000 students on three campuses. Our university is located in Åbo (Turku in Finnish), on the south west coast of Finland and in Vasa (Vaasa) and Jakobstad (Pietarsaari). **Leading research in many areas** Åbo Akademi University has an acknowledged position at the forefront of research in such areas as biosciences, information technologies, democracy and human rights, material sciences, process chemistry and psychology. Information Systems is in the Faculty of Economics and Social Sciences.

We are an international community of 6300 undergraduate, graduate and postgraduate students, 650 researchers and faculty, and hundreds of exchange students united in pursuit of high-quality education and research. Our school operates in the campus centrally located in the city of Turku. All services of the city are at the walking distance from our campus.
PROGRAMS

Information Systems

Graduate education in information systems (IS) gives professional competence in ICT management, management science, and business administration. The IS graduates will have broad theoretical knowledge, combined with practical experience in various professional missions in the acquisition, planning, design, implementation, adoption and leading of IS projects and solutions in all the functions of a modern corporation. Graduates typically start their careers as system developers or project managers, and then move on to become consultants, entrepreneurs or business unit leaders and finally IT-leaders, CIO or CEO.

Åbo Akademi School of Business offers information systems as a specialization (equivalent to a IS major) in the Master of Business Administration program. The program is mainly taught in Swedish and to a lesser degree in English. For the international, English language alternative, see our master's degree Program in Governance of Digitalization.

Information Systems

Doctor of Science programs at Åbo Akademi School of Business and Economics

Doctoral programs at Åbo Akademi School of Business and Economics provides first rate educational and research opportunities for its doctoral students. Doctoral studies and research are very closely linked. An innovative research environment supports both doctoral students and researchers in their work and common endeavor to create new knowledge and publish it for the scientific and surrounding societies to take part of.

Doctoral studies in information systems are organized by the Institute for Advanced Management Systems Research (IAMSR). Our research institute has operated since 1992 and now builds on cooperation both with a dozen of Finnish companies and a network of research groups at TU Delft, the Netherlands, University of Trento, Italy and City University, Hong Kong. To apply for doctoral studies in Information Systems at Åbo Akademi, you will need to meet the official eligibility criteria for doctoral studies in Åbo Akademi School of Business and Economics. Research topics most relevant to existing areas of interest include:

- Consumerization of IT
- Data analytics
- Digital services design
- Networks and Business Models

Highlights

- International
- Data Analytics

Information Systems

Information systems (IS) are key components of any organizations' infrastructure in the modern society. Information systems are essential tools for an individual wanting to make a career in modern business, for it is necessary for any organization to have individuals with social and analytical skills, competence and skills in managing IS, and a strong competence in problem solving in all the functions of a modern corporation. Åbo Akademi School of Business offers information systems major in the Bachelor of Business Administration program. The program is taught in Swedish.

Master's Degree Program in Governance of Digitalization

Governance of Digitalization is a two-year master's program, which is taught in English and familiarizes the students to the key aspects of digitalization. The topics taught in the program include IT governance, digital services development, business models, and data analytics. The program prepares graduates for the work profiles of
• Chief Information Officer (CIO),
• Chief Digital Officer (CDO), and
• Data Analyst (DA).

The program provides an excellent basis for a management and business career in the modern digital economy. Successful completion of this two-year full-time program results in the award of a Master of Science in Economics and Business Administration degree. The master's program in Governance of Digitalization is jointly provided by the School of Business and Economics within the Faculty of Social Sciences, Business and Economics at Åbo Akademi University and by the School of Business and Economics at University of Turku.

Up-to-date information about the courses in the program can be found in the university's study guide: http://www.abo.fi/student/en/studiehandbok

Highlights

• International
• Business Modeling
• Data Analytics
• Digital Services Design
• IT Governance
ABOUT

Turku School of Economics

Turku School of Economics (TSE) is part of the University of Turku and was founded in 1950 by an initiative of the local business life and this close cooperation with the business world continues still today. TSE is an accredited member of the AACSB International (The Association to Advance Collegiate Schools of Business), which is a global accreditation agency committed to advancing the quality of management education worldwide.

We have an internationally established reputation as a highly respected business school, operating on a level of high quality and conducting relevant research. We educate entrepreneurial, innovative, and responsible leaders - experts for the future - who are capable of working in international settings.

Our school is a well-organized and internationally integrated community of almost 3,000 undergraduate and postgraduate students, 200 researchers and lecturers, and hundreds of exchange students and students complementing their education.

We at the TSE’s department of Information Systems Science educate students to become “hybrid” managers working at the intersection of IT, business, and people. Our graduates are able to communicate and work fluently with both business and IT professionals. After studying in one of our programmes, they work in IT departments as well as in IT consulting and service companies. IT project manager, systems analyst and business analyst constitute the three most common first job titles of our gradu-
ates. We offer various programmes with their major in information systems science aiming at different types of degrees:

- Doctor of Science in Economics and Business Administration
- Doctor of Philosophy
- Doctor of Social Sciences
- Master of Science in Economics and Business Administration
- Master of Science
- Bachelor of Science in Economics and Business Administration
PROGRAMS

Bachelor's programmes

At the Turku School of Economics, a versatile selection of studies in economics and business is offered in four different Bachelor's programmes:

- Accounting and Finance,
- Marketing and Value Chain Management
- International Business and Entrepreneurship
- Economics.

If you are deciding to study Information Systems Science, you take the Marketing and Value Chain Management programme and specialise yourself in Digital Business Management. As a graduate of this programme, you will be able to identify, analyse and interpret relevant information for creating business value. Your skills will allow you to innovatively combine customers’ needs and companies’ value creation in order to form new products, services or business models. Besides, you will attain the skills to identify the key preconditions of responsible business development processes; the key components of a company’s IT infrastructure; the main functions of information systems supporting businesses; to identify and analyse IT development areas related to business operations and to apply different IS modeling methods for business development. Moreover, as a graduate of our Bachelor’s programme you will be able to analyse and describe the requirements, costs and risks of an information systems investment as well as the business benefits achieved by such an investment.

After completion of our programme, you will be awarded the degree Bachelor of Science.

Please note that a good grasp of Finnish language is required at the TSE bachelor programs, because the first year studies are offered only in Finnish. Furthermore, tuition fees apply for non-EU students. For students from EU countries, studying at the Turku School of Economics does not involve any tuition fee.

Highlights

- Value Chain Management
- Digital Business Management

Doctoral programs at Turku School of Economics

Doctoral training at the Turku School of Economics (TSE) offers you access to high-quality and interdisciplinary doctoral training in business, economics and future studies. As part of an internationally acknowledged university, the TSE provides a multicultural and multidisciplinary environment for your doctoral studies. Course work and doctoral research are conducted within highly collaborative professional networks of international scholars and doctoral candidates.

In our Information Systems Science department, we work in close collaboration with other units of the Turku Centre for Computer Science. To apply, you will need to fulfill official eligibility criteria for doctoral studies at Turku School of Economics. Due to our limited supervision resources, we hope that your research interest falls into one of our main research areas:

- Management of Information Systems and Business Information Systems
- Networks and Business Models
- Work Informatics
- Wellbeing and Healthcare Information Systems

If you plan to apply for our doctoral program, it is important that you acknowledge that one should conceive doctoral studies in Finland as a stepping stone to an international academic career, because the career expectations in academia in Finland are limited due to the small number of research positions and thus, high competition at Finnish universities. Moreover, access to the Finnish labour market is difficult for international applicants who do not speak Finnish.
Global Information Technology Management

The Global Information Technology Management (GITM) programme commenced in 2003. We are proud of our international alumni network of students from Afghanistan, Austria, Bangladesh, Belarus, Bulgaria, Cameroon, China, Ecuador, Ethiopia, Finland, Ghana, India, Iran, Latvia, Malaysia, the Netherlands, Nepal, Nigeria, Pakistan, Poland, Romania, Slovenia, Russia, South Korea, Sudan, Tajikistan, Thailand, Turkey, Uganda, USA, Vietnam.

Nowadays, the GITM programme is a double-degree programme with three different options of which each is jointly provided with either the University of Tilburg (the Netherlands), the University of Passau (Germany) or the Central China Normal University (Wuhan, China).

The Core Competences of GITM

The core competence of the GITM programme covered by our Information Systems Science department at the TSE is the information management module. It focuses on conveying knowledge and skills on management, project leadership and expert positions in the design, implementation, and service facilitation of IT. It comprises courses as:

- Management of Information Systems Project
- Management of Information Systems Services
- Management of Information Security
- and
- Enterprise Architecture

Besides the information systems module which we teach at the TSE, each partner university offers an area of specialisation based on its expertise and profile:

Tilburg University

Information Technology for Enterprise Management (ITEM)

In the ITEM specialisation, you will learn how to strategically apply IT to support business transformations in order to enable companies to achieve their strategic, tactical, and operational goals. By focusing on the capabilities needed to improve enterprise performance, this Master’s programme prepares you for an international career at the intersection of IT, business and management.

Choosing the ITEM option, you will start your 1st year of studies at Tilburg University in February. Followed by two online courses offered by our department at the TSE during your autumn term. In January of your 2nd year in the ITEM option, you will move to Turku to study with us at the TSE. The summer term in the 2nd year is reserved for you to do internships and research for your master’s thesis.

For more information about the study content of this option, please visit ITEM studies at TSE.

Passau University: Digital Enterprise Management (DEMA)

In the joint option with Passau University in Germany, the Networked Business & Digital Ecosystems module focuses on economic and technical aspects of today’s networked and digital business environments. In the DEMA program you will learn about digitally enabled organisations and how these organisations benefit from advanced data management and digitalised networked business platforms to improve the performance of networked business ecosystems. Moreover, you learn about economic and technical aspects of digital ecosystems as well as information and communication technologies.

In the DEMA option, you will start your studies at Passau in April or October. The part of the programme taken with us at the TSE in Turku has to be completed from September to May.

For more information about the study content of this option, please visit DEMA studies at TSE.

Central China Normal University (Wuhan): Business Intelligence and Knowledge Management (BIKMA)

The BIKMA option focuses on the management of data, information, knowledge and infor-
information systems and applying this expertise for business intelligence purposes as well as management of internal products, processes and governance.

Choosing the BIKMA option, you will first study with us at the TSE and then move to CCNU.

For more information about the study content of this option, please visit BIKMA studies at TSE.

All of our international Master's programmes are instructed in English and consist of 120 credit points. The structure of the degree and its 120 ECTS is defined during the admission process depends on the applicant's background. Depending on this background, graduates are awarded the degree Master of Science or Master of Science in Economics and Business Administration. The successful completion of the master's degree makes a student eligible for doctoral studies in Information Systems Science.

Please note that the displayed tuition fee of 13.000 € is the maximum and applies to students from outside the European Union. The exact fee depends on your country of origin and the programme you choose. For further details including scholarships please visit the programmes' websites or contact us.

Highlights

- Double degrees
- Well-planned international exchange
- International alumni networks

International Master of Management of IT

Information Technologies (IT) has become an integral part of business processes, products and services with its importance still increasing. The International Master of Management of IT (IMMIT) programme addresses this development, its chances and challenges. The IMMIT programme is designed to prepare students to become "hybrid" managers who can act as intermediaries between business users and IT specialists in international environments. It teaches integrative skills required for effective use of IT in order to support international businesses and their operations and management.

The IMMIT programme is jointly offered by three different business schools around Europe. The IAE Aix-Marseille Graduate School of Management at the Aix-Marseille Université (France), the Turku School of Economics at the University of Turku (Finland) and the School of Economics and Management at Tilburg University (The Netherlands). It consists of 120 ECTS which are to be completed in 2 years of full-time studies.

The programme started in 2007 and each year, a group of approx. 15 students from all over the world start their studies in one cohort. One of these cohorts was formed by students having up to 14 different nationalities. This experience of studying in a culturally diverse cohort is the very unique aspect of the IMMIT programme. It means that you will start and finish the programme with the same group of students which moves each semester to a new European location: starting in France, continuing in Finland and finishing your studies in the Netherlands. Your last semester will be devoted to thesis work, which includes an internship in an internationally operating company. This internship could be anywhere in the world, although most IMMIT students find an internship position in Europe.

After completion, students are awarded master's degree from each partner university. From University of Turku the degree is Master of Science in Economics and Business Administration. The successful completion of the master's degree makes a student eligible for doctoral studies in Information Systems Science.

Please note that the displayed tuition fee of 13.000 € is the maximum and applies to students from outside the European Union. The exact fee depends on your country of origin. For further details including scholarships please visit the programme's website or contact us.

Highlights

- Three degrees, three universities, three countries and cultures
- Unique international cohort experience and alumni network
- International IT and business management
- International internships available

www.eduglopedia.org
ABOUT

The Department of Computer Science and Information Systems is unique in Finland in combining information technology teaching with economic sciences. The department is in collaboration with a number of local and international businesses and public organisations.
PROGRAMS

Service Innovation and Management (SIM)

A programme in international IT-enabled service innovation, design and management. The aim of the programme is to enable graduates to champion service innovations in their organizations and to exploit and have knowledge on the latest enabling technologies and tools. On completion of the programme graduates will be able to design IT enabled services, manage international service business, design and manage business processes and understand service ecosystems and platforms; professionally utilize information technology for the purpose of facilitating service innovation and have knowledge on the latest enabling technologies and tools and management service development projects.

Highlights

- design IT enabled services
- manage service business
- manage business processes
- understand service ecosystems and platforms
- facilitate service innovation
GERMANY

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:
AUGSBURG UNIVERSITY

Wirtschaftsinformatik
Augsburg University
Universitaetsstrasse 2
86159 Augsburg
Germany

ABOUT

Business Information Systems has a long history at the University of Augsburg. With a Faculty of Applied Computer Science and a Faculty of Economics, the conditions for a Business and Information Systems Engineering degree program are ideal.
PROGRAMS

Bachelor Wirtschaftsinformatik

The Bachelor's program Business and Information Systems Engineering complements the existing programs in Business Administration and Computer Science by providing a unique profile.

Combining key competences in the fields of Business Information Systems, Business Administration, and Computer Science, the degree program prepares students as emerging IT leaders of the future, with graduates satisfying the growing industry demand for highly skilled IT professionals.

Highlights

- WIN received an excellent evaluation in the most recent and previous CHE-ranking.
- Through soft-skill seminars students are taught crucial competences for effective collaborative work with colleagues and business partners.

Master Wirtschaftsinformatik

The Master's program Business and Information Systems Engineering complements the existing programs in Business Administration and Computer Science by providing a unique profile.

Combining key competences in the fields of Business Information Systems, Business Administration, and Computer Science, the degree program prepares students as emerging IT leaders of the future, with graduates satisfying the growing industry demand for highly skilled IT professionals.
ABOUT

With a population of about 70,000, Bamberg is a comfortably sized community in which you will quickly feel at home. It is a city that both preserves tradition – since 1993, the historic old city has been a UNESCO World Heritage site – and embraces modern life – as the city’s many sculptures, including by noted modern artists Botero and Lüpertz, demonstrate.

Adding to the city’s appeal are Bamberg’s location in the Regnitz river valley, its seven hills, Hain Park and its unique swimming facility on the river, and its close proximity to the famous Franconian Switzerland tourist areas and Steigerwald nature park.

The University of Bamberg is one of Bavaria’s oldest, founded in 1647 and today with several locations in the area, many in the city center. In Autumn 2012, the university expanded to Erba Island, in the north of Bamberg between the Regnitz and the Main-Danube Canal, where today a new building houses the Faculty of Information Systems and Applied Computer Sciences. Inspiring environs surround this new university building: a park that hosted the Bavarian State Garden Show in Summer 2012. The park, which affords students and faculty opportunities for outdoor relaxation, is also open to the public.
PROGRAMS

Bachelor of Information Systems

The University of Bamberg's Information Systems degree program stands on nearly three decades' tradition. First established in 1987, it was only the third such program in Germany. In line with the accords of the Bologna Process, the diploma programs offered in Information Systems were expanded in the Winter 2004/05 semester to include bachelor's and master's degrees.

As an academic field, Information Systems addresses the structural and behavioral characteristics of information systems, the procedural methods for developing and operating these systems, and the economic and social implications of their operation. The degree program is thus linked both to the academic disciplines of economics, computer science, and business administration and management.

The bachelor's degree program in Information Systems aims to develop students' ability to apply academic methods to solve problems arising in the field, including those of an interdisciplinary nature, and continue to develop these methods. A further goal is to equip students to engage in their own continuing education independently, as is often required to keep pace with the field's continual, dynamic development. Studies in Information Systems are oriented both towards method and application, and they prepare students for a variety of professional paths. The elective options built into the program allow students to develop individually specified areas of focus.

Highlights

- Hands-on education
- Outstanding teaching quality
- Excellent mentoring by teaching personal
- Excellent counselling
- Extensive offer of student activities

Bachelor of International Information Systems Management

The bachelor's degree program in International Information Systems Management has been offered at the University of Bamberg since the Winter 2010/11 semester, and it rounds out the range of degree programs offered in the faculty of Information Systems and Applied Computer Sciences.

The program, of seven semester's standard duration, is geared towards providing students seeking qualifications for the international IT and information systems field with an internationally relevant and management-oriented education. The curriculum focuses on the knowledge and skills required to manage in-house and inter-company information systems, along with project management skills, foreign languages, cultural administration skills, and general social or "soft" skills. Mandatory studies and/or internships abroad give students practical international and intercultural experience in academic as well as business environments. In the program's later phases, the curriculum includes a module of courses offered by visiting instructors from the corporate sector; this establishes an intensified transfer of practical knowledge for students.

Highlights

- International focus
- Management focus
- Studying abroad
**Master of Education in Business and Information Systems**

The master's degree program in Education in Business and Information Systems (Wirtschaftspädagogik/WI) was initiated at the University of Bamberg in the Winter 2001/02 semester in response to increasing demand. This interdisciplinary curriculum combines topics from economics, teacher training, and computer science in an integrated offering that is unique in Germany. The program prepares students for a variety of careers in economics and administration, extracurricular and corporate educational institutions, and as teachers in trade schools. The State of Bavaria recognizes the degree from this program as equivalent to the State examinations for vocational school teachers and thus it qualifies graduates to enter the postgraduate traineeship (Referendariat).

The program objectives are the acquisition of general and subject-specific decision-making skills, as well as communication, cooperation, and dealing with criticism as a basis for teamwork, project management, and leadership functions. Students in this degree program learn the skills needed to recognize and deal with problems and issues that characterize the fields of Information Systems, Economics, and Business Education. Graduates are able to illustrate and analyze these problems accurately, as well as assess their main, subsequent, and ancillary effects so they can solve them independently.

This master's degree program also aims to develop the students’ ability to educate themselves independently in the future, as the dynamic nature of the field makes this an ongoing necessity. Furthermore, students acquire skills necessary to reflect on prevailing procedural methods and contribute to the further academic development of the subjects studied. The program offers students excellent prospects in the labor market.

**Highlights**

- The combination of Information Systems and Vocational Training seems seminal in a digitalized world.
- Graduates receive a polyvalent degree which allows access to a wide range of vocational fields.
- The student-to-teacher ratio is excellent.

**Master of Information Systems**

As an academic field, Information Systems addresses the structural and performance characteristics of information systems, the procedural methods for developing and operating these systems, and the economic and social implications of their operation. The degree program is thus connected not only to the academic fields of economics and business administration and management, but also to computer science.

The master's degree program in Information Systems at the University of Bamberg aims to provide students with the skills needed to apply scientific methods to solve problems arising in the field, including those of an interdisciplinary nature, and continue to develop these methods. A further goal is to equip students to engage in their own continuing education independently, as is often required to keep pace with the field's continual, dynamic development. Studies in Information Systems are method- and application-oriented, and they prepare students for a wide range of professional fields of application. The core curriculum's elective options allow students to develop individually specified area of focus within the degree program.

**Highlights**

- Wide range of course offerings
- High flexibility in course selection
- Interdisciplinary and communicative learning environment
- Small lecture and seminar groups
- Modern IT equipment

**Master of International Information Systems Management**

The master's degree program in International Information Systems Management (IISM) has
been offered at the University of Bamberg since the Winter 2014/2015 semester. Students develop technical and social competence in the field of information systems management with a specific focus on international corporations and inter-corporate cooperation.

The IISM program, with a three-semester standard duration, emphasizes strategic questions of IT management and provides students with in-depth theoretical and methodological knowledge for the international IT and information systems field. The curriculum is formed from the core area of information systems as well as from the related fields of business management, economics, and law. The focus is on knowledge and skills that pertain to management of in-house and inter-company information systems, supplemented with project management, foreign languages, cultural administration, and general social or “soft” skills. Technical skills established in the program are of an interdisciplinary nature. A mandatory internship abroad gives students practical experience in international and intercultural business environments.

To ensure students are prepared for today’s working world, the curriculum goes beyond information systems to include analysis of socio-cultural, economic, political, and legal issues. The program teaches important management skills, including negotiation skills, conflict resolution, presentation skills, and foreign languages. The social and ethical responsibilities of managers are at the program’s center. And finally, the program seeks to improve students’ awareness of sustainability as an issue in the management of international corporations and their information systems.

Highlights

- Focus on information systems management in an international context
- Flexible and innovative curriculum
- Mandatory internship abroad

Virtual Advanced Training Programme in Information Systems

The Universities of Duisburg-Essen and Bamberg, in collaboration with other university partners, offer a web-based master’s degree in Information Systems, with a three- or four-

semester standard duration. The program affords students, who typically pursue the degree part-time, with flexible time management. Students attend brief on-campus sessions at the beginnings of semester and participate in multimedia-supported e-learning (with intensive support by instructors) during each semester’s remaining time.

Students with a university degree, at least a one-year professional experience and with competence in the field of information systems will, through this program, expand their skills, deepen and update their knowledge, and add specialization in Information Systems to their academic portfolios.

Highlights

- Flexible curriculum with more than 40 different courses
- E-learning concept adapted to the needs of employees
- Studying independent of time and place
ABOUT

The digitization of society offers a variety of opportunities and challenges. In this context, the Department of Information Systems of the Freie Universität Berlin (School of Business and Economics) analyzes requirements, possibilities and consequences of using information and communication systems.

We engage in both basic and applied research. More specifically, while leveraging theories to explain IS-related phenomena we are evenly devoted to developing models and systems that help firms to respond to the many opportunities and challenges related to digitization. Our main empirical interests revolve around mobility, health, education, media and various service fields.

www.eduglopedia.org

The Department is currently based on numerous pillars: two full professors and several junior professors pursue complementary interests in that they integrate interdisciplinary elements of business administration, computer science, engineering sciences, operations research and behavioral sciences into a cohesive research and teaching agenda.
PROGRAMS

Information Systems

The Master of Science in Information Systems degree program is designed to meet the needs of students who want to combine technical capabilities in computer science and the application of information and apply this knowledge in a business environment. It completes the curriculum of Freie Universität Berlin in the field of economics through adding a sociotechnical component.

This program combines the technical underpinnings of computer science with the key concepts of business and economics. In that way it is an important addition to master's programs in business administration such as the Marketing & Management Master or FACTS and the more technical master's program in computer science.

The Master's program at the FU Berlin is characterized by a scientific view on information systems, their methodological requirements and economic implications. The focus lies on business analytics, e-business, IT-entrepreneurship, operations research and decision support systems.

During the 'Individual Study or Research' phase, students can specialize according to their interests. They are also supported throughout the course of their studies by counseling services. Knowledge transfer takes place in particular through blended and e-learning in small seminars.

Highlights

- Academic handling of topics
- Focus on business analytics
- Multidisciplinary courses
- Personal study and research environment
- Entrepreneurship education
ABOUT

HRW is a new state-run university of applied sciences committed to high-quality teaching and research. It is based in the cities of Bottrop and Mülheim an der Ruhr. The main emphases are on the areas of computer science, engineering sciences, mathematics, natural sciences and economy.

Since September 2009, HRW has offered degree programmes in Mechanical Engineering (Mülheim an der Ruhr) and Industrial Engineering–Energy Systems (Bottrop). HRW offers additional degree programmes in the following fields:

- Civil Engineering
- Business Administration - International Trade Management & Logistics
- Mechatronics
- Human-Machine-Interaction
- Business Informatics and
- Master Program Business Administration.

Useful information:

- HRW has close links with companies in various industries in the region. During their studies, students can establish contacts with potential employers, work in local companies, gain practical experience, and write their final thesis based on their work placements.
- In future, dual study programmes will be offered in conjunction with local business and industry tailored to the needs of both the companies and the students.
- As a new state-run university of applied sciences, HRW does not charge tuition fees.

Study in the heart of the Ruhr region!
PROGRAMS

Business Information Systems

Business Informatics at HRW includes the basics in informatics and databases, software technology and programming languages, IT project management, business process management / modelling and service management, as well as networks and data integrity. Students gain insights into general business administration, as well as business financing, law, production, logistics and marketing. Also part of the curriculum are the key job qualifications of rhetoric, presentation techniques, company management and human resources management.

Focus areas are Global Information and Knowledge Management, IT Entrepreneurship and E-Health

Highlights

- student teacher ratio
- employability
- excellent company relations

Informatics

The Master programme intensifies the curricula of various informatics Bachelor courses of studies and is scientifically developed. Collaboration in current research questions and projects – integrated into the study groups of the Institute’s scientists – is an essential element. The three-semester course of studies offers extended theoretical content for various fields of informatics. Here it is a question of conveying special knowledge: Applied informatics, energy informatics, automotive informatics, human/technology interaction, neuroinformatics and business information systems are the planned key aspects. This is an interdisciplinary course of studies, since linked with informatics is application, energy, mechanical engineering, safety and economics. HRW Master students are taught by experts in their specialities and work with them on application-oriented and innovative solutions for the wide field of informatics – with a very good mentoring relationship between the teaching staff and students.

Highlights

- Project-based studies
- Variety of focus areas (e.g. Business Information Systems)
- Student-teacher ratio
ABOUT

The importance of business studies and economics can clearly be seen when considering some of the challenges facing Germany and Europe as industrial powers; the importance of globalisation and networked production, ecologically compatible and sustainable economic development, innovations and the use of multimedia as well as international financial markets. To meet these challenges, we need decision makers capable of understanding the macro- and microeconomic principles of such issues. Consequently, the faculty's potential in the fields of teaching, research and consultancy is of great significance for the economy and future development in the face of regional and international competition.

These modern advances are reflected in the expansion of the faculty and its increasing dedication to subjects with an international focus. In this respect, we constantly strive to create a balance between internationalisation and regionalisation.

Furthermore, the Faculty's increasing recognition as an authority in business and economics provides an invaluable complement to the University's main emphasis in the fields of natural and engineering sciences. The introduction of co-operation management in the Faculty ensures that innovative processes are pursued from their initial concept right up to their implementation. This process is achieved through innovation networks, co-operative research projects, applied practical projects as well as discussion days, and is supported by business start-up initiatives.

The faculty places particular emphasis on enhancing the teaching skills of its staff and providing support to our new generation of business and economic researchers. In future, further attention will be paid to changing trends in education when planning courses and lec-
tures. In doing so, the high standards will be continually improved upon, enabling both a greater degree of specialisation and a greater variety of courses. This, for instance, is illustrated by our new masters programmes. The specialist knowledge and inter-social skills acquired by our graduates are pivotal for the success of enterprises, stretching from a regional level within Bremen, across Germany through Europe to an international scale.

The Faculty of Business Studies & Economics recognises that the expertise developed here can help shape the global economy and economic development of enterprises well in the future, and has taken up the challenge.
PROGRAMS

Information Systems and Management

The aim of studies in "Information Systems and Management" is to qualify students for tasks related to the planning, implementation, and ongoing management of information systems in organisations. Graduates will be able to analyse business processes and conceptualise supporting information systems. They will also have an understanding how state-of-the-art digital technologies can be utilised for creating innovative business models.

Highlights

- student projects
- strong cooperation with the Computer Science faculty
- offers specialization on Computational Finance
- teaching award for Business Process Management course
Cologne Institute for Information Systems

UNIVERSITY OF COLOGNE

Cologne Institute for Information Systems
University of Cologne
Albertus Magnus Platz
50923 Cologne
Germany

Institution website: www.ciis.uni-koeln.de
EDUglopedia: eduglopedia.org/department-of-information-systems-university-of-cologne

ABOUT

The Cologne Institute for Information Systems (CIIS) at the University of Cologne is one of the best ranked information systems academic institutions worldwide (e.g., based on rankings of the AIS 8 journals over the past five years 41st worldwide, 7th in Europe and 2nd in Germany). The CIIS is formed by the research teams at the Chairs for Digital Transformation and Analytics, Information Management, Integrated Information Systems, Information Systems for Sustainable Society, and Systems Development.

Our mission is to educate capable professionals who can effectively develop, manage, and enhance information systems for better operations, decision making, and sustainable strategy development within an increasingly digitalized business environment.

In focus of research, teaching and transfer at the CIIS are topics such as artificial intelligence, data-based business models, data science and business analytics, social network analysis and network sciences, digital entrepreneurship, IT and sustainable development, energy economics and politics, business process management and digital transformation, systems development, IT outsourcing, and cloud computing.

A further important component is the cooperation with the Center for Collective Intelligence, Sloan School of Management, MIT, Cambridge (USA) in the field of Information Systems and Information Management.

Our main objectives in research are:

- the advancement of theories, methods and tools to advance verifiable knowledge about Information Systems,
- the design of Information Systems as well as the necessary (further)
development of concepts, procedures, models, methods, tools and (modeling) languages,

the achievement of a real-world understanding of use, acceptance, management and controllability of Information Systems as well as their respective system elements

the primarily economically science-based assessment of risk, benefit and economies of scale in the design and implementation of Information Systems and the changes in value added processes as well as the associated strategic and organizational impacts on individuals, groups, businesses, industries and economic areas

the prognosis of technical and non-technological developments and the impact of the use of Information Systems

Finally, of course, studying in Cologne – a vibrant, multi-cultural, open minded city in the heart of Europe – offers many possibilities beyond the course programs in IS alone.

The study of Information Systems is not without reason of great, ever-growing popularity: the focus is on the development and application of information and communication systems in business enterprises. The courses combine theoretical knowledge of many disciplines with the application-oriented orientation towards system solutions for operational challenges. In many working and living world contexts, with its innovative power, business informatics makes an important contribution to the product and (business) process design under economic conditions.

Information Systems is not only exciting but also strongly in demand on the labor market. Our graduates are successfully employed in various sectors (business consulting, management of system development and information management) and internal areas. They act at the interface between business processes and the technically embedded system environment.

These unique professional perspectives are also confirmed by consistently high positioning in rankings such as the "Wirtschaftswoche", which surveys HR departments of German companies to find out which universities they consider the best.
PROGRAMS

Bachelor of Science Information Systems

This bachelor's programme in Information Systems is a combined course in cooperation with the Faculty for Mathematics and Natural Sciences which is administered by the Faculty of Management, Economics and Social Sciences (in short: WiSo Faculty). The standard period is six semesters with 180 ECTS.

This field combines theoretical knowledge of various disciplines with the application-oriented alignment with system solutions for corporative challenges. The discipline of Information Systems and its innovative strength is essential to develop solutions in product- and process design of businesses under economic conditions in many working contexts.

Highlights

- Study in an open minded and vibrant city in the heart of Europe
- As a state-funded German university we do not have any tuition fees (only 500 Euros semester contribution each year)
- So it is easy to invest in an excellent education – and your future – without paying a fortune.
- Take a semester abroad at one of our 120 partner universities
- Benefit from excellent professional perspectives that are also confirmed by consistently high positioning in rankings

Master of Science Information Systems

The master's programme consists of 120 ECTS and is designed as a 4-semester full-time programme. It is a consecutive master degree based on a bachelor degree within the field of Information Systems. The Core and Advanced Section of the master programme contains 18 credit points. This area covers the methodological and content-specific basics of information systems. The Specialisation Section, where students altogether complete 48 credit points, includes modules from information systems and computer sciences as well as two specialisation seminars. The Supplementary Section serves as an additional section to develop a more specific profile – either by deepening and specialising or by diversifying knowledge. Altogether an area of 24 credit points has to be completed, in which modules from business administration, economics and social sciences are available to students.

For those interested in research, a doctoral programme under the supervision of one of the chairs in Information Systems is possible. As a fast track option, courses that are credited within the promotion are already possible during the master's programme.

Highlights

- Study in an open-minded city in the heart of Europe
- As a state-funded German university we do not have any tuition fees (only 500 Euros semester contribution each year)
- So invest in an excellent education – and your future – without paying a fortune.
- Take a semester abroad at one of our 120 partner universities worldwide
- Benefit from excellent professional perspectives that are also confirmed by consistently high positioning in rankings
- Select from one of three specialization tracks – Data Analytics, Digital Innovation, or Digital Sustainability.
TECHNISCHE UNIVERSITÄT DARMSTADT

Department of Business Administration, Economics and Law
Technische Universität Darmstadt
Hochschulstr. 1
64289 Darmstadt
Germany

ABOUT

Since its foundation in 1877, Technische Universität Darmstadt has played its part in addressing the urgent issues of the future with pioneering achievements and outstanding research and teaching.

TU Darmstadt focusses on selected, highly relevant problem areas. Technology is at the heart of all disciplines. The Natural Sciences as well as Social Sciences and Humanities cooperate closely with Engineering.

In order to expand its expertise strategically, TU Darmstadt maintains a variety of partnerships with companies and research institutions. It is a vital driving force in the economic and technological development of the Frankfurt-Rhein-Neckar metropolitan area.

Graduates from TU Darmstadt enjoy an excellent reputation in the business world. Outstanding performance makes the university one of the leading universities of technology in Germany and has led to international visibility. At present it is one of the world’s top 100 universities for engineering and technology according to both THE World University Rankings and QS World University Rankings.

Students and academics at TU Darmstadt combine outstanding research with practical applicability. This is how excellent opportunities on all rungs of the career ladder are created.

Students are qualified for demanding jobs in science and business with courses that are research-oriented, but also prepare for the requirements of working life. Students evolve into creative, critical individuals. The international nature of our courses guarantees a formative experience and openness towards international students. A degree from TU Darmstadt bears a quality label that opens up the best career opportunities.

At TU Darmstadt, scientists will find a stimulating, highly supportive environment for both post-graduate work and further scientific careers. They work in international teams and in close cooperation with academic and corporate partners. TU Darmstadt’s culture of cooperation paves the way for outstanding achievements.

www.eduglopedia.org
PROGRAMS

Bachelor of Information Systems

The program is located at the intersection between business administration and informatics. Thus, it qualifies students to work in all kinds of areas ranging from business administration over consulting to programming. As a result, the chances on the job market are above average. Students develop the abilities to analyse business processes, organizational structures, and new developments from a technical and a business perspective. In addition, students learn to apply methods for evaluating IT investments and for planning IT projects. Among others, students are employed by companies from the software-, automotive- and media industry, in IT-controlling, in financial institutions or in consulting companies.

The bachelor program consists of three pillars:

- Informatics and mathematics
- Information systems
- Business administration, economics, and law

4/3 principle

In addition to a sound education in law and business sciences, which corresponds to 2/3 of a regular program in business administration, our students complete 2/3 of a program in informatics. This results in the successful 4/3 principle from Darmstadt, which stands for a very challenging and interdisciplinary program.

Highlights

- 4/3 principle
- interdisciplinary approach
- very good employment opportunities

Different Majors in Information Systems

Students from other programs have the opportunity to choose one of the following majors in information systems:

- IT-Controlling
- Information Systems and Information Management
- Entrepreneurship and Innovation Management

In these majors, important topics like entrepreneurship or innovation are discussed.

Highlights

- interdisciplinary
- entrepreneurship

Master of Information Systems

The master program builds on the bachelor program on information systems. Thus, it is located at the intersection between business administration and informatics, as well.

The master program is more research oriented, but still provides various opportunities to get in contact with companies (projects, thesis, seminars...). Students can select from various majors in business administration and informatics. As entrepreneurship becomes more and more important, in addition to traditional courses, we offer various courses on entrepreneurship.

Highlights

- majors in business administration and informatics
- wide variety of majors
- research- and practical orientation
- entrepreneurial culture

www.eduglopedia.org
ABOUT

The University of Duisburg-Essen is located in the heart of the Ruhr Metropolis, which is home to approximately five million people. Although the University of Duisburg-Essen is one of the youngest universities in Germany, it is with around 42,000 students and 4,700 employees, among the ten largest universities of the country.

The Research Group "Professional Communication in Electronic Media / Social Media" is part of the Department for Computer Science and Applied Cognitive Science, which consists in total of 17 professors and research groups from psychology, information systems and computer science, such as the research training group "User-centred Social Media". Prof. Dr. Stefan Stieglitz is the head of the Research Group, which consists of one post-doc, seven research assistants and twelve student assistants. The main research areas of the team are:

- Analytics
  - Data Tracking
  - Data Analytics
  - Domains: Politics, Organizations, Crises, Science
- Management
  - Technology acceptance
  - Knowledge management
  - Innovation management
• Marketing
  o Brand Communication
  o Shitstorms / Social Crises
  o Employer Branding
The master's degree "Applied Cognitive Science and Media Research" at the University of Duisburg-Essen is an interdisciplinary course, which is offered since the year 2000. Due to the diffusion of interactive media and internet applications among all parts of the society and economy, it is necessary to teach students a wide range of different competences and skills, which exceed the scope of monodisciplinary courses. To achieve this goal the program provides a variety of topics and methods which facilitate a smooth and successful human-computer interaction.

While the Bachelor Program aims at a preparation for the professional field, the Master Program aims at the consolidation of the scientific competences. The teaching approach is based on an innovative university didactic concept: in interdisciplinary practical projects during the Bachelor Program, the students are able to improve both their scientific and soft skills including team orientation, project management and presentation skills. During the Master program the students are part of student research groups which plan, implement and finalize entire research projects, which improves the scientific competences of the students. During the completion of their Master the students can chose among three study foci: computer science, psychology and professional communication and social media.

The Research Group "Professional Communication in Electronic Media / Social Media" is in charge of the study focus "professional communication and social media" and offers the following seminars:

- Business Communication
- Digital Enterprise

Highlights

- Interdisciplinarity
- International scope
- Student projects with industry partners
- Solid scientific and methodological education
- Future-oriented research foci


Das Steinbeis-Transfer-Institut Wirtschaftsinformatik hat sich auf folgende Bereiche spezialisiert:
• Bachelor für Wirtschaftsinformatik
• Master für Wirtschaftsinformatik
• Beratung IT Technik und Organisation
PROGRAMS

Bachelor of Science - Wirtschaftsinformatik

Der Bachelor of Science (B.Sc.) führt junge IT-Fachkräfte zum ersten akademischen Abschluss. Der duale Ansatz verbindet praktische Arbeit im Unternehmen mit Seminaren an der Hochschule. Zentraler Bestandteil des Studiums ist ein Projekt: jeder Studierende bearbeitet, parallel zur Theorie ein praxisrelevantes IT-Projekt in seinem Partnerunternehmen und transferiert dadurch theoretisches Wissen in praktisches Können.


Highlights

- Akkreditiert
- Berufsintegriert
- Hoher Praxisbezug
- Erstklassige Dozenten
- Auslandsaufenthalt

Wirtschaftsinformatik

Dual study

Highlights

- Project competence study
FRANKFURT SCHOOL OF FINANCE & MANAGEMENT

Management Department
Frankfurt School of Finance & Management
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Institution website: www.frankfurt-school.de/en/home.html
EDUglopedia: eduglopedia.org/management-department-frankfurt-school-of-finance-management

ABOUT

Frankfurt School of Finance & Management is a research-led business school, covering every aspect of business, management, banking and finance. A comprehensive portfolio of services – ranging from degree courses to Executive Education programs, from research projects to consultancy – means that Frankfurt School acts as adviser, catalyst and educational partner to companies and organisations, to individuals embarking on new careers, and to experienced executives. As a centre of intellectual and practical activity, the business school formulates forward-thinking solutions for the worlds of business, finance and management, where agendas and issues are constantly changing.

Frankfurt School and its programmes are accredited by AACSB, EQUIS, and FIBAA.

www.eduglopedia.org
PROGRAMS

Bachelor of Science in Business Administration (BSc) with focus on Business Information Systems

Data and information flows are the nervous system of an organisation, such as a bank or insurance company. To know, master and change information systems as required is thus an activity which requires solid training. Whoever wants to succeed here must possess strong business skills combined with computing knowledge.

Can you imagine actively helping to define this interface between humans and information systems, between IT people and IT users, between companies and their suppliers and customers? Are you interested in information technology, management, business, as well as economics? If so, then Frankfurt School's Bachelor of Science in Business Administration with focus on Business Information Systems is the ideal programme for you.

In seven semesters, including one semester abroad, students learn the basics of information systems, business, management, and economics. Exemplary courses are:

- Information systems (IS): Intro to IS, databases, Programming, Design and development of IS, Enterprise architecture management, Enterprise Systems, Information management, Business intelligence, IT security, Strategic information systems
- Business: Accounting, Managerial accounting, Operations management, Finance, Marketing, Corporate design and behavior,
- Economics: Microeconomics, Decision making, Markets & incentives
- and various electives

A particularity of our program is that students will be in the classroom only for three days per week (including Saturday), which allows them to work three days in an organisation (and the whole week during semester breaks). Frankfurt School is in cooperation with various global players that employ our students within this programme.

Another particularity of Frankfurt School is its international semester schedule. Unlike most other German universities, the Frankfurt School semesters start very early in the year (Sep-Dec, Feb-Jun) and thus allow students to go abroad without any frictions.

Highlights
- semester abroad
- dual or vocational studies (full-time program while being employed)

Bachelor of Science in Business Administration (BSc) with focus on Digital Innovation and Fintech

Digital technologies are becoming more important in all areas of work and are changing entire business sectors. Would you like to gain inside into this new world and participate in the creation of new entrepreneurial ideas? If so, then Frankfurt School's Bachelor of Science in Business Administration with focus on Digital Innovation and Fintech is the ideal programme for you.

In seven semesters, you will acquire profound IT skills. At the same time, you will deepen your knowledge in the areas of management and finance. This programme can be studied as a work-study programme, giving students the opportunity to combine theory and practice.

Exemplary courses are:

- Business: Accounting, Managerial accounting, Operations management, Fi-
A particularity of our program is that students will be in the classroom only three days per week (including Saturday), which allows them to work three days in an organisation (and the whole week during semester breaks). Frankfurt School is in cooperation with various global firms and players from the FinTech industry that employ our students within this programme.

Another particularity of Frankfurt School is its international semester schedule. Unlike most other German universities, the Frankfurt School semesters run very early in the year (Sep-Dec, Feb-Jun) and thus allow students to go abroad without any frictions.

Highlights
- semester abroad
- work-study concentration
- full-time program while being employed

**Master of Management - Digital Business (concentration)**

The Master of Science in Management offers young talent the opportunity to develop an individual competence in process management and strategy. Analytical knowledge combined with a strong practical understanding and a highly flexible programme profile prepares students for a successful career in banking, manufacturing or consulting.

This full-time, English language programme is designed to allow students to work part-time - up to three days a week. The programme duration is three semesters, plus one pre-semester. In addition, different time models are available. Students gain practical as well as international experience which is key for a career in management. Within the Master in Management, students can specialize in one concentration: marketing, international business, manufacturing, strategy & organization, and digital business.
The Open Government Institute

Zwischen Wirtschaft Kultur Politik

The Open Government Institute | TOGI

ZEPPELIN UNIVERSITY GEMEINNÜTZIGE GMBH

The Open Government Institute
Zeppelin University gemeinnützige GmbH
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ABOUT

TOGI sees itself as a thought-leader in developing new ideas, visions, and models for open government, and therefore follows an interdisciplinary, design-orientated approach towards research. Consequently, the implementation of ideas and recommendations in cooperation with partners from politics and administration also plays an important role for the institute. Additionally, TOGI values its close link with teaching and student research.

Currently, the institute focuses on the topics of open government, innovative approaches towards transparency (open data, open government data, and open budget), citizen participation (new roles of the citizens in a digital democracy) and collaboration. Ongoing projects also deal with open societal innovation in the Lake Constance Region, novel tools of participation, and social media.

TOGI encompasses the Chair of Public Sector & Business Informatics of Professor Dr Jörn von Lucke with its two research fellows. At Zeppelin University in Friedrichshafen, TOGI offers introductory and advanced courses in public sector informatics, business informatics, and media informatics.

As an associated researcher, Dr Markus Helfert from Dublin City University complements the
TOGI also cooperates closely with the Fraunhofer Institute FOKUS in Berlin. TOGI sees itself as a thought-leader in developing new ideas, visions, and models for open government, and therefore follows an interdisciplinary, design-orientated approach towards research. Consequently, the implementation of ideas and recommendations in cooperation with partners from politics and administration also plays an important role for the institute. Additionally, TOGI values its close link with teaching and student research.

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PROGRAMS

Executive Master of Digital Pioneering

With the program of studies "Executive Master of Arts of Digital Pioneering (eMA DIP)", originally developed together with the Deutsche Telekom AG, ZU has closed a long-lasting gap in the educational offer of German universities. The master program does not only address IT specialists with a background in computer science, business informatics, or mathematics who aim for a managerial career, but also staff members from the areas of corporate development, strategy and distribution, from journalism, trade and the service sector, as well as founders. As a private university, Zeppelin University is itself an entrepreneurial university. It looks less for people who think out of the box, rather it looks for people who can think straight and think things through to the end. Yet, you cannot “make” an entrepreneur. You can, however, understand and learn which tools to apply in which way (and why) when working on your own project. Together with others who "tick" in a similar way as you, address the right questions to the unheard-of and world-encompassing, increasingly faster innovations that digitalization may still bring.

Highlights

- Executive Master of Arts of Digital Pioneering

Politics, Administration & International Relations

1. European integration; 2. new global and regional interdependence; 3. the call for more efficient and more citizen-oriented administrative management; 4. debates about privatization, public-private partnerships, or debureaucratization; 5. the introduction of Electronic Government; 6. the crisis of confidence in public institutions, with issues concerning ethical standards and new forms of political communication. This doesn’t just include public, communal, and international administration, but rather public enterprises, non-government organizations, non-profit organizations, and political authorities such as alliances, parties, and parliaments.

The new generation of executives in the public sector need ever-more management and strategic expertise to prepare them for making complex decisions in the dynamic environment of politics, economics, and society – on both a national and an international level.

ZU offers an innovative training and research program in the form of management-oriented politics and administrative sciences with international relations, in which social scientific elements of organizational research and policy research are combined with economics, management skills, and the most important elements of public law.

In this context, the faculty of Public Management & Governance sees itself as a research and education laboratory which promotes problem-centered training for the public sector in interdisciplinary dialog, with an international profile and in a theory-driven way.

Politics, Administration & International Relations

PAIR is a study program in political and administrative science mainly taught in German. It addresses students who want to analyze political systems in modern societies from a national, international, and European perspective. At the same time - and from the perspective of organizational research and modern management theory - national and international organizations are analyzed, and a wide knowledge of public management in modern states is taught. Thus, the students learn to analyze and solve complex problems of decision-making and governance in the public sector in their political, legal, economic, and social context.

As all other study programs at ZU, PAIR has a strong interdisciplinary orientation which can not only be seen in the so-called Zeppelin Year, the first two semesters, but also in the elective modules from related study programs in later semesters. At the same time the study program provides the chance of a subject-specific specialization that ensures the best possible compati-
bility for master programs in political and administrative science.
UNIVERSITY OF GÖTTINGEN

Faculty of Economic Sciences, Department of Information Systems
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ABOUT

Founded in 1737, Georg-August-Universität Göttingen is a research university of international renown with strong focuses in research-led teaching.

Information Systems at the University of Göttingen is rooted in the Faculty of Economic Sciences, and is led by three chairs and one junior professor (assistant professor), making it one of the largest Information Systems departments in Germany.

The focal point of the Information Systems programme is to address business issues with the help of information and communication systems. Courses are available for students of all levels, from bachelor’s to doctoral students.

In terms of research, our professors dedicate themselves to the development and evaluation of innovative information systems (design science research) as well as the analysis of emerging phenomena in the context of existing information systems (behavioural research). Faculty members have published in journals such as Information Systems Research (ISR), Information Systems Journal (ISJ), European Journal of Information Systems (EJIS) and Decision Support Systems (DSS).

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PROGRAMS

Business Information Systems (B.Sc.)

Business Information Systems deals with the way in which IT solutions are structured, developed or implemented for business processes and the supply of information. Along with this, the degree programme takes the integration of private individuals and public administration into account. Study foci are the conception of application systems and e-business solutions as well as the management of information processing. In the master's degree programme that follows and builds upon this programme, deeper knowledge can be gained in further specialised subjects. The programme provides students with a solid foundation in general and subject-specific career skills and lays the academic foundation for advanced studies, such as enrolment in a master's programme.

Highlights
- Accredited program
- Specialisation by high number of electives
- Introduction to SAP

Business Information Systems (M. Sc.)

The objective of the programme is to equip students with a sound understanding of business information systems and to prepare them for working in positions with analytical demands in the IT branch and other industrial and service companies. In order to implement new business ideas and improvements, business information systems must continually developed. Students therefore learn how to actively create business information systems by means of Internet-based solutions and to constructively implement their own concepts in the operative system. A balance of theoretical and practical knowledge and methodical competence as well as the integration of research content provides students the tools they need to question the traditional methods and develop innovative solutions.

Design of mobile Information Systems within the Digital Transformation

The PhD program "Design of mobile Information Systems within the Digital Transformation" is a structured PhD program with a focus on design-oriented business information research (Design Science Research). A cooperation of the TU Braunschweig, the University of Göttingen, the Leibniz Universität Hannover and the Hannover University of Applied Sciences offer this program. The program is funded as a PhD program of Lower Saxony (Niedersächsisches Promotionsprogramm) of the Lower Saxony Ministry of Science and Culture.

The program offers an extensive range of courses offering the doctoral students to work independently on their doctorate.

The research work of our doctoral candidates aim to gain scientific insight, which is drawn from IT based problem solving. To achieve this the program doesn't solely focuses on empirical research methods and theories, but also emphasizes the cooperation and informational exchange between scientific research and professional experiences (so called Engaged Scholarship).

From a scientific perspective, the design-oriented information systems research is producing theories of highest practical relevance. Thus a practically orientated focus on the design of mobile information systems is of high importance.

The program concentrates on the two key application domains "sustainability, energy sector and mobility" and "mobile businesses, in particular mobile finance". Research in these two domains will be conducted in the context of the phenomenon of digital transformation. Hence these domains will be addressed in the context of changing technologies, as well as societal, political and regulatory aspects.
Highlights

- Scientific exchange and networking with partner universities
- Contact to industry partners
Faculty of Computer Science

UNIVERSITY OF HAMBURG

Faculty of Computer Science
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EDUglopedia: eduglopedia.org/faculty-of-computer-science-university-of-hamburg

ABOUT

At the Department of Informatics 28 professors research and teach supported by approximately 180 research, technology and management staff. More than 2300 students are enrolled in 6 Bachelor- and 6 Master degree courses.

Basic Research – combined with a distinctive focus on implementation

Hamburg’s Department of Informatics has – since its foundation in 1971 – excelled in a broad spectrum of informatics’ themes, combined with a distinctive focus on implementation. Hamburg’s traditionally centered university imparts to informatics a particularly rich interdisciplinary dialogue with such varied subjects as Economics, Sociology, the Arts, Science, Medicine and Education Science.

The Hamburg Information Technology Center (HITeC) promotes hands-on research, joint ventures with local industry, technology transfer and spin-offs. Both economy and administration benefit from the palpable transfer of basic research results, thereby strengthening Hamburg's position on a scientific and financial level.

Role Model – Human Beings First

In present-day society, information technology plays an ever-increasing role in practically all aspects of our daily life. People need information science in order to manage the growing complexity of contemporary tasks and systems. Systems must remain manageable and understandable. Technology must adapt to human beings, and not vice versa. With regard to the three fundamental tasks of informatics – analysis, construction and design - researchers and professors at the Department of Informatics place human beings first.

Our motto is „Informatics – the Future“, and we call on all scientists to “Form the Future!” Such is the definition of the central concept of Ham-
burg University's Department of Informatics.
May it echo in our research and our teaching.
PROGRAMS

IT Management & Consulting

The Masters Course IT Management and Consulting was formed by the Department of Informatics at the University of Hamburg in October 2010. The Course is run in cooperation with Hamburg’s Chamber of Commerce and with the support of renowned IT companies.

The Masters Course IT Management and Consulting (ITMC) is an application-oriented postgraduate Masters Course. Around 20 IT enterprises - the board of trustees - support and promote the Masters Course giving it a high practical relevance.

The desired training profile of the IT Transformation Lead is lacking in today’s expertise landscape, however it is exactly what major companies and consulting offices are seeking to find. The Masters Course has as its goal to develop and impart the superior qualifications and skills so necessary today. The blend of conceptual and methodical knowledge with practical fields of activity is achieved through custom-built teaching methods, (university- and firm-based projects, guest speakers from industry, visits abroad). In addition to the informatics and economic subjects imbedded in the teaching of orientational knowledge, there will be a strong stress on social, communicational and management skills. Part of the module content will be held in English.

Highlights

- practical relevance
- university- and firm-based projects
- visits abroad
- small groups
UNIVERSITY OF HAMBURG: HAMBURG BUSINESS SCHOOL

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EDUGlopedia: eduglopedia.org/institute-of-information-systems-university-of-hamburg-hamburg-business-school

ABOUT

Hamburg’s Institute of Information Systems has its premises at the university’s main campus in the beautiful and vivacious Grindel-quarter.

The Institute’s university coursework focuses on all levels of students from business administration, economics, mathematics, computer science, and industrial engineering. Besides Introduction to Information Systems, courses deepen the information systems education with various topics incl. project management, planning, and decision analysis. The goal of the education is to develop the ability to analytically work through complex interrelations in appropriate areas, and skills to generate creative solution approaches through sound methodological knowledge. In a joint effort with the Department of Computer Science the bachelor’s degree (B.Sc.) in Information Systems is running since 2006 with the first students successfully graduating in 2009. Since winter 2009 the master’s degree (M.Sc.) has been set up where students have the possibility to specialize in either Management of Information Systems or Computational Logistics, something quite unique in Germany. Moreover, interested high potentials can decide to pursue further for PhD or the habilitation degree.

In 2002 the information systems degree of the University of Hamburg, together with the busi-
ness administration degree, was among the lowest ranked degrees in their class according to the CHE-Ranking. As of 2005 and 2009 the information systems degree jumped up to a middle place and even became one of the top ten information system degrees in Germany according to the well-known Handelsblatt Ranking. The latter research ranking also reveals that Prof. Voß is among the Top 25 of several thousand business professors within Germany, Austria and Switzerland (as of 2005, 2009, 2012 and 2015). His current overall rank is number 13.
PROGRAMS

MSc in Information Systems

The Master of Information Systems deepens the students’ skills and enables them to

• autonomously apply their knowledge in information systems as well as its connected topic fields in business administration and computer science

• classify relevant theories and concepts of each of the chosen major fields as well as to use tools and methods in order to overcome the topic-relevant issues

• analyze and solve IT-systems- and information technology-based development and management problems in logistics arising from the combination of application-oriented and conceptual knowledge

• act responsibly, especially regarding the impacts of technological change as well as the impact of using IT-systems in society

Graduates from the Master of Information Systems possess proficiencies in the topic fields Modelling of Business Processes and IT-systems, architecture and design of IT-systems, business development and integration of planning functionality in information and communication systems.

The Master of Information Systems conveys deepened skills in working in a research-oriented way and scientifically.

Highlights

• being close to practice: state-of-the-art topics, real-world scenarios
• gaining autonomy in knowledge application: interdisciplinary exchange between the topic fields information systems, business administration and computer science
• studying in the beautiful city of Hamburg: extensive cultural life and many interesting sights
ABOUT

The Master Program in Business Information Systems enables students to take up challenging research in the interdisciplinary field with a major focus on information systems. Information Systems becomes more and more important because of new and innovative technologies and more intensive networking of existing devices in particular. To develop, analyze, improve, and integrate these technologies in organizational structures, new methods and tools are required. The field of Business Information Systems deals with the conception, development, implementation, and usage of computer-based information processing in organizations. To enable students to solve such problems and challenges, the Master Program of Business Information Systems in Hildesheim has five different specializations (listed below) which can be selected to get an individualized course profile.
PROGRAMS

Information Systems

Bachelor of Information Systems (BSc.)

There are three main-focus areas in the bachelor program of Information Systems at the university of Hildesheim:

1. Information Systems

Main part is the Concept and Architecture of Information Systems incorporations. In addition, business modelling and business intelligence are important subject areas.

2. Business Economics

Next to the basic topics in business economics students will learn about marketing, production and logistics with special attention on processes and procedures in corporations.

3. Computer Science

Students learn all basics which are important for the business informatics including programming, algorithm, databases and also software engineering and machine learning.

Next to the three focus areas students will have the chance to have a look in one of the 40 partner-corporations in form of a ten-weeks-internship.

Highlights

- small groups
- many practical approaches
- basics in three different topics

Information Systems

This program is based on the Bachelor program of Information Systems. Students will have the chance to stabilize and expand their knowledge in Information Systems. The program is divided in three sectors research methods, specialisation and free selectable areas. You have to choose in the specialisation sector three in-depth studies out of five. The advantage of this master course is the interface between Business Informatics and Business Economics, which calls attention to most of corporations in this area. Students can write their masterthesis with 30 partner companies.

Highlights

- corporation-oriented structure
- wide knowledge
- academic handling of topics
- multidisciplinary courses
LEUPHANA UNIVERSITY OF LÜNEBURG

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ABOUT

Sustainability research, cultural research, education, management and entrepreneurship: Through these four science initiatives, in course work and research, Leuphana University of Lüneburg addresses the challenges of civil society in the 21st century. The bodies responsible for these initiatives are the faculties newly established in 2010: Education, Culture, Business and Sustainability. There are research topics spanning multiple faculties – in keeping with developments of current and future relevance – devoted to the Democracy, Digital Media and Health.

The institute of information systems offers two study programs. In the college, we offer a major in business information systems (in German). In the graduate school, we offer an innovative and international program in management & data science (in English). Furthermore, the graduate school offers a structured PhD program, which is open for information system students.

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**PROGRAMS**

**Bachelor of Business Information Systems (Wirtschaftsinformatik)**

The Major in Business Information Systems constitutes its own field of knowledge, which has developed from the combination of information technology, communication and business administration. At Leuphana the "IWI" major allows students to specialize in business information systems.

Students acquire a fundamental understanding of the field of programming, computer architecture and operating systems, data bases, software technology, data structures and algorithms as well as theoretical computer sciences.

If you select business information systems as your concentration, you will become specialized in the application of computer science to business administrative questions. In particular you will be concerned with the topic of application development and internet technology as well as specialized topics in business information systems. Students acquire basic qualifications so that you can develop and apply computer science concepts to the practical business environment.

The Major in Business Information Systems constitutes its own field of knowledge, which has developed from the combination of information technology, communication and business administration. At Leuphana the "IWI" major allows students to specialize in business information systems.

Students acquire a fundamental understanding of the field of programming, computer architecture and operating systems, data bases, software technology data structures and algorithms as well as theoretical computer sciences.

If you select business information systems as your concentration, you will become specialized in the application of computer science to business administrative questions. In particular you will be concerned with the topic of application development and internet technology as well as specialized topics in business information systems. Students acquire basic qualifications so that you can develop and apply computer science concepts to the practical business environment.
Highlights

• Several minors available
• Transdisciplinary teaching (Leuphana semester, complementary studies)
• Excellent student-to-teacher ratio
• Business network
• Broad spectrum for electives (e.g. software engineering, IT Management, data analytics)

Master of Management & Data Science

The Master’s Program in Management & Data Science is geared towards students wanting to advance their skills in the data analysis of real-world phenomena. After completion of this program our graduates have the ability to analyze massive and complex data sets, design statistical models based on the latest in information technology. The program is designed to meet the fast-growing demand for data scientists in business, public administration, and research.

The Master’s Program in Management & Data Science prepares students to take on responsibilities involving analytical, conceptual, consulting, and strategic work. Graduates have a wide range of career options available to them, ranging from business consulting to corporate leadership position as well as specialist tracks in information-intensive organizations. Graduates are awarded a Master of Science (M.Sc.) degree.

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Management & Data Science

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Highlights

• Completely taught in English
• International program
• Excellent student-to-teacher ratio
• Combination of formal methods and business orientation
• Excellent job opportunities
Area Information Systems

UNIVERSITY OF MANNHEIM

Area Information Systems
University of Mannheim
Schloss
68131 Mannheim
Germany

Institution website: area-is.bwl.uni-mannheim.de/en/area/news/
EDUglopedia: eduglopedia.org/area-information-systems-university-of-mannheim

ABOUT

Information Systems (IS) support individuals in organizations with information for better or faster decisions. They enable new business processes and business models, altering the competitive arena in which a company is embedded. Information and Communication Technologies (ICT) are utilized for corporate activities from the perspective of distinct user roles. The nature of the IS discipline is both, theoretical and technological. While theoretic-empirical contributions focus on the management and use of Information Systems and Information Infrastructures in organizations, technological-constructivist contributions aim at the design of IS for facilitating new business processes and models.

Fields of Research

The area is followig a complementary research approach, combining a thoretic-empirical and technological-constructivist perspective. Our fields of research can be grouped into the following major areas:

- Development of Information Systems and Infrastructures,
- Innovative Information Systems,
- Management of Information Systems and Infrastructures, as well as
- Electronic Business and Government.

In the context of Information Systems and Infrastructure Design, a variety of interconnected themes is covered. Software Product Management and Usability Engineering investigate development processes with specific focus on customer and end-user integration. Component-based Software Development and Object Data Management offer the instruments to design and to develop specific business functions on the application layer as well as to manage the underlying data. The productivity and impact of Information Systems and Infrastructure Development Processes is investigated in order to improve the respective collaboration activities.

In the realm of Innovative Information Systems and Infrastructures, we design and evaluate new systems concepts and solutions. Distributed Systems and Context-Aware Computing lay the foundation of inter-organizational Information Systems and Infrastructures that facilitate new forms of the value chain. The middleware layer allows for a modular and flexible design of contemporary application functions. Enterprise Information Systems, relying on enterprise software packages such as Enterprise Resource Planning, Customer Relationship Management or Business Intelligence, are the backbone and - in some instances - a differentiator of corporations outperforming their competitors. We take an end-user perspec-
tive on Enterprise Information Systems and conduct research in the areas of social augmentation, information security, and flexibility.

In the domain of Information Systems and Infrastructure management, we explore the full potential of these research objects. We pursue investigations in the areas of **Information Management** and **Business Process Management**. On an information systems level, the "fit" between tasks, processes, technologies, and people is investigated. On an infrastructure level, complex arrangements of IS Governance and IS Sourcing are scrutinized. Complementary to these issues, we are investigating the **Business Value of Information Systems** to gain a better understanding of how Information Systems can be deployed effectively to support a corporation's value creation.

Information Systems and infrastructures facilitate new forms of **Electronic Business** and **Electronic Government**. Within behavioristic empirical research, the key drivers for leveraging efficient utilization of such systems are investigated. Specific research areas are the adoption of system standards, electronic business models, cloud computing, process virtualization, online pricing and smart metering solutions.
PROGRAMS

Business


Highlights

- Interdisciplinary
- Multinational working and research environment
- Regular area seminars

Business Informatics

Mannheim Master in Management

The Mannheim Master of Management (MMM) is a consecutive master’s program, culminating in the academic degree Master of Science (M.Sc.). The MMM differs from other master’s programs since it allows students to structure the course according to their interests. With various specializations and the opportunity to study a diverse set of subjects, the MMM offers flexibility with academic rigor.

The chairs of the Business School of the University of Mannheim cover a broad spectrum of managerial subjects. Students are able to shape their curriculum and schedule according to their preference and academic interests. Broadly, the specializations on offer at the University are in the areas of:

- Accounting and Taxation
- Banking, Finance and Insurance
- Information Systems
- Management
- Marketing

Highlights

- Double degree option
- Over 200 partner universities across the world
- Various workshops and guest lectures conducted by our corporate partners
PHILIPPS UNIVERSITY MARBURG

Information Systems
Philipps University Marburg
Universitätstraße 24
Altes Amtsgericht
35032 Marburg
Germany

Contact: Paul Alpar
Institution website: www.uni-marburg.de/fb02/bwl09/wirtschaftsinformatik
EDUglopedia: eduglopedia.org/information-systems-philipps-university-marburg

ABOUT

The School of Business and Economics at Philipps-University Marburg offers a variety of study programmes, at the undergraduate and at the postgraduate level as well. Structured PhD programmes are also available. Various activities such as up-to-date lectures, research projects, practice-orientated projects, guest lectures by experienced managers, analysts, decision makers, and policy makers will give students a good start into the working life.

Today, innovations are necessary for both the manufacturing and the service sector. Therefore, a special focus is set within the programmes in this field. The Information Systems department offers diverse lectures and seminars which help students gain expertise regarding aspects such as innovation through modern technologies, business intelligence, new business models, and possibilities opened by e-commerce and e-business.

The focus on "Innovation and Information", supported by the Information Systems department, helps students to understand how companies can better adapt to the dynamic and constantly changing environment and how they can better cope with the ongoing digitalization, in order to be competitive and to rapidly adjust to new demands and expectations.

www.eduglopedia.org
PROGRAMS

Bachelor of Science in Business Administration

The Bachelor of Business Administration is an internationally acknowledged program, which provides students with the fundamental knowledge of modern economy and prepares them for the working environment.

The program lets students specialize in one or more of the following fields:

- Innovation and Information
- Market-orientated Management
- Accounting and Finance

The Information Systems department offers a variety of lectures and seminars with an emphasis on innovation and information.

Highlights

- Receive an excellent scientifically grounded education
- Gain theoretical and practical skills
- Profit from an outstanding staff-student ratio and personal contact to professors and research assistants
- Obtain soft skills through our various offers and events

Master of Science in Business Administration

Following the structure of the bachelor program, the Master of Science in Business Administration offers as well the opportunity to specialize in one or more fields and prepares the students for their future work life.

The available specializations are:

- Innovation and Information
- Market-orientated Management

The Information Systems department offers a variety of lectures and seminars with the main emphasis on innovation and information.

Highlights

- Multiple optional courses give you the opportunity to determine your own focus
- Spend a semester abroad at one of our plenty partner universities
- Profit from an outstanding staff-student ratio and personal contact to professors and research assistants
Faculty of Business Administration and Economics

HOCHSCHULE NIEDERRHEIN UNIVERSITY OF APPLIED SCIENCES

Faculty of Business Administration and Economics
Hochschule Niederrhein University of Applied Sciences
Webschulstraße 41 - 43
41065 Mönchengladbach
Germany

Institution website: www.hs-niederrhein.de/faculties/business-administration-and-economics/
EDUglopedia: eduglopedia.org/faculty-of-business-administration-and-economics-hochschule-niederrhein-university-of-applied-sciences

ABOUT

The Hochschule Niederrhein (HN) has around 14,200 students, of which some 3301 are first-year students (as per Winter Semester 2014/15), making it one of the largest universities of applied sciences in Germany.

Today, the HN is a regional university with a national and international reputation. An above average proportion of women (50.2%) and foreigners (10.6%) are enrolled at the Hochschule Niederrhein. The foreign students come from some 100 countries.

With over 3,000 students and around 42 professors, the Faculty of Business Administration and Economics is the university’s largest faculty.

Theoretical knowledge combined with practical experience is the essence of the faculty’s work. We combine scientific study with practice-oriented training in 12 different degree programmes. We have been preparing our students for careers in business and industry in close cooperation with companies and enterprises in the region since 1971.
**PROGRAMS**

**Bachelor Information Systems (B.Sc) (Wirtschaftsinformatik)**

The Bachelor's programme Information Systems equips graduates with the required competence and qualifications to take on a career at the interface between business management and computer science. The ability to assist in commercial information technology projects serves as a model. The degree delivers the fundamentals for the business world and a wide spectrum of specialised knowledge. The graduates can successfully apply scientific expertise and problem-solving concepts. The programme enables the graduates to develop new fields in commercial information management and to undertake further training independently.

Information systems graduates deal with the design, development, selection and application of computer-aided information systems in companies and administrative functions. They use application-oriented computer science (i.e. knowledge of hardware, software and methods) in approaching business problems. As computer science is subject to very rapid technological change, priority is given to delivering methodological skills, and practical examples are constantly adapted to reflect current trends.

The programme equips graduates with the competence and qualifications needed to undertake tasks in companies at the interface between the specialist (business administration) and IT (computer science) departments. They acquire the fundamental skills required in business practice as well as a wide array of expertise in the relevant fields of business administration, software technology, application systems and computer science.

They are able to apply scientific knowledge and problem-solving concepts successfully in practice. They develop the ability to judge and the competence to critically reflect on scientific and occupational practice.

**Highlights**

- small student groups
- intensive student and lecturer contact
- strong practical approach

**Master Information Systems (M.Sc.) (Wirtschaftsinformatik)**

Graduates of the Master programme acquire the necessary management skills to position projects in today's complex and networked system environments, to manage them and bring them to a successful conclusion.

To achieve this, they also need the professional know-how to select and apply the appropriate procedures and methods for these projects. Possible occupations would therefore include positions as a technical director or manager of information management projects, IT consultants or management consultants.

The Master's programme will also open up the opportunity to enter a scientific career via a doctoral degree.

**Highlights**

- small student groups
- intensive student and lecturer contact
- strong practical approach
ABOUT

The Department of Information Systems was founded in 1990 as part of the Münster School of Business and Economics (MSBE). More than 175 persons work at the department; there are seven professors, about 75 staff members and about 100 student assistants. Modern hardware and software facilities are available. The department is responsible for the Wirtschaftsinformatik bachelor program and the Information Systems master program, which is taught in English. Every year up to 100 students finish their studies to work in different sectors as consultants, software project managers, information managers, information system and organization designers etc. In application-oriented research and development projects we connect business concepts with modern information and communication techniques to obtain holistic solutions. In cooperation with companies and associations we implement research results. The department provides consulting in designing of operational IT application and process organization.

The department consist of the following groups (external links):

- Chair for Information Systems and Supply Chain Management (Prof. Dr.-Ing. Bernd Hellingrath)
- Interorganisational Systems Group (IOS) (Prof. Dr. Stefan Klein)
- Practical Computer Science (Prof. Dr. Herbert Kuchen)
- Information Systems and Statistics (Prof. Dr. Heike Trautmann)
- Databases and Information Systems Group (Prof. Dr. Gottfried Vossen)
- Quantitative Methods for Logistics (Prof. Dr. Stephan Meisel)
- Chair for Information Systems and Information Management (Prof. Dr. Dr. h.c. Dr. h.c. Jörg Becker)
PROGRAMS

Bachelor of Science in Wirtschaftsinformatik

The Department of Information Systems offers the Bachelor of Science (BSc) in Information Systems (German: Wirtschaftsinformatik) study program. The curriculum is designed for six semesters of study. The majority of BSc in Information Systems study courses are held in German with an exception of a few English lectures. Therefore, proficiency in German language is essential. Core topics within the programme are related to such fields as: Information Systems, Computer Science, Quantitative Methods and Business Administration. The curriculum also includes introductory lectures on Economics and IT Law. In addition to lectures, students also have to participate in seminar courses and in a project seminar. Project seminars resemble small group projects, where students solve (real-life) scenarios.

Highlights

- Learn from the best as our institute hosts more than eight chairs and interest groups that deal with information systems in their daily academic life
- In step with actual practice by providing training courses for relevant software, project seminars, and optionally integrating internships
- Get in touch with your future employer during guest lectures, by writing your thesis at an external company or by visiting exclusive job fairs
- Comprehensive student exchange program for studying abroad
- Study in one of the most liveable cities of the world (awarded in 2004)

Master of Science in Information Systems

The Master of Science in Information Systems (German: Wirtschaftsinformatik) at the University of Münster - School of Business and Economics is a combination of disciplines such as Computer Science, Statistics, and Business Administration, providing a unique environment for studies and research. The research aspect of the program is further strengthened by the international orientation of the European Research Center for Information Systems (ERCIS), bringing together researchers from universities across Europe. The MSc in Information Systems graduates have skills to assess and properly configure sophisticated information technologies for use in companies and administrative departments. The study programme prepares students for careers both in research and practice. On the one hand, it facilitates students' entry into the corresponding doctoral programmes. On the other hand, the programme prepares students for future careers in the fields, which especially value comprehensive education, such as management, consulting, and software production and usage. The purpose of the study programme is, therefore, to provide students with the required in-depth scientific knowledge, skills, and competencies in the aforementioned areas.

IT-Management

The IT Management course is a part-time Master programme for German-speaking working professionals. As part of the course, students study the effect of new technologies on process organisation within companies and acquire important methods and tools to change processes in businesses through the application of modern information systems. The programme is aimed in particular at (junior) management and leads to the academic degree of "Master of Science in IT Management" from Münster University.

You'll find more information on the (German) website: http://weiterbildung.uni-muenster.de/de/masterstudiengaenge/it-management/uebersicht/

Highlights

- Master of Science Degree
- Individually select your modules
- Flexible entry dates
- Modular structure
- Maximum of 25 participants
Highlights

- Learn from the best as our institute hosts more than eight chairs and interest groups that deal with information systems in their daily academic life.
- In step with actual practice by providing training courses for relevant software, project seminars, and lectures on latest research topics.
- Get in touch with your future employer during guest lectures, project seminars, or thesis projects; or get in touch with international research by writing your master's thesis abroad.
- Comprehensive student exchange program for studying abroad.
- Study in one of the most liveable cities of the world (awarded in 2004).
ABOUT

With a total of 20 research units organized in the competence fields Accounting, Finance & Insurance, Strategy & Marketing, Innovation, as well as Leadership & Human Resources, the Munich School of Management is one of the leading research and teaching institutions in business administration in Europe. With a high commitment to excellence in teaching and research, we make a strong impact on the field's development. Since its establishment, the school has become one of the best training centers for future top talents in business and research. On the one hand, this involves excellent teaching by our full professors, honorary professors, assistant professors and research associates at all levels of education, addressing both established and new areas of business administration. On the other hand, our faculty members conduct leading-edge research. It is therefore not surprising that the Munich School of Management has been consistently named in the top group of schools in university rankings.
PROGRAMS

Media, Management and Digital Technologies (MMT)

The master's degree program Media, Management and Digital Technologies" (MMT) was created in order to train both future leaders and founders in the (digital) media industry that show a high level of expertise in the intersection between media, management and digital technologies. Therefore, the main goal is to attract highly talented and ambitious students from all over Europe and other parts of the world with a background in business, informatics respectively computer science or other integrated programs. The MMT master's program is a consecutive four-semester Master of Science (M.Sc.) degree program that is fully taught in English and which does not require German language skills. It is jointly offered by the Munich School of Management and the Institute for Informatics of Ludwig-Maximilians-Universität München (LMU). The program is completely funded by the initiative "Digitaler Campus Bayern" which is part of Bavaria's digitization strategy "BAYERN DIGITAL". In general, there are no tuition fees for participating in the MMT program.

The MMT program:

- gives you the opportunity to pursue your master's degree at one of Europe's most renowned universities in a city with a very high living quality,
- students a unique and future-oriented course structure with highly relevant practical contents,
- is mostly held in small groups for maximized learning success,
- is taught by leading scientists and researchers in their field,
- permanently collaborates with well-known corporate partners of the media and internet industry of Europe's prime digital media hub,
- provides its graduates numerous career perspectives in the media and internet industry as well as other industries that extensively use digital technologies - but also as founders or in academia.

Highlights

- Unique and future-oriented course structure with highly relevant practical contents
- Fully taught in English
- No tuition fees
- Held in small groups for maximized learning success
Institute of Information Management and Information Systems Engineering

OSNABRÜCK UNIVERSITY

Institute of Information Management and Information Systems Engineering
Osnabrück University
Katharinenstr. 1-3
49074 Osnabrück
Germany

Contact:
Institution website:
www.wirtschaftsinformatik.uni-osnabrueck.de
EDUglopedia: eduglopedia.org/institute-of-information-management-and-information-systems-engineering-osnabrueck-university

ABOUT

Four Information Systems chairs work hand in hand at Osnabrück University's Institute of Information Management and Information Systems Engineering (IMU). IMU is further enhanced by a honorary professorship for International and Intercultural Management. The Institute is part of the University's School of Business Administration and Economics.

- Management Support and Information Systems (Prof. Dr.-Ing. Bodo Rieger)
- Organization and Information Systems (Prof. Dr. rer. pol. Uwe Hoppe)
- Accounting and Information Systems (Prof. Dr. Frank Teuteberg)
- Information Management and Information Systems (Prof. Dr. Oliver Thomas)
- International and Intercultural Management (Hon. Prof. Dr. rer. soc. oec. Hans-Wolf Sievert)

The aim of IMU is to develop holistic information management solutions and to ensure their continual transfer to practice. This is achieved by conducting interdisciplinary, integrated, application-oriented and practice-relevant research. Furthermore, the teaching is performed at the level's basics, methods and applications.

www.eduglopedia.org
PROGRAMS

Bachelor of Science in Information Systems

The curriculum of the bachelor program is designed for 6 semester study with 180 ECTS (European Credit Transfer System). The program is divided in four pillars: fundamentals, computer science, business administration / economics and business computer science in the strict sense. Our students can spend the fifth semester abroad, at one of our prestigious partner universities, for example, the University of South Florida, Yeditepe University, the University of Hull, University of Jyväskylä or the California State University, Monterey Bay. Lots of our lectures, seminars and project work are carried out in cooperation with partners from practice.

Highlights

- uniquely in Germany
- extensive supervision/ very good study-related care
- integrated semester abroad
- studies with engineering character an high practice orientation
- high practical orientation

Master of Science in Information Systems

Our Master program is designed for 120 ECTS in 24 months. All offered majors are based on the research priorities of the four disciplines of the IMU as well as the research priority of the informatics department. This ensures that the current state of research is always imparted. In a two-semester research project, students work on real business problems and develop solutions in cooperation with well-known companies.

Highlights

- uniquely in Germany
- small workgroups
- extensive supervision/ very good study-related care
- half-year team-work projects combining research and knowledge transfer into practice
PADERBORN UNIVERSITY

Department of Business Information Systems
Paderborn University
Warburger Str. 100
33098 Paderborn
Germany

Contact: Dennis Kundisch, Daniel Beverungen
Institution website: winfo.upb.de
EDUglopedia: eduglopedia.org/department-of-business-information-systems-paderborn-university

ABOUT

Overview
The value added of the department of business information systems at the Paderborn University is that it calls for an interdisciplinary approach, where diverse teams research new ways to translate rapidly changing information and communication technologies into business applications. These help private and public sector enterprises to optimize their business processes with respect to costs, turnover, time to market and quality. The focus is on people as users, since innovative applications ease their workload, enhance their potential, and boost their productivity and the quality of their work. Since its establishment in 1990, the department has been devoted to meeting these challenges – and its efforts have paid off. In recent CHE Rankings the department, with its seven professors including four chairs, repeatedly placed near the very top.

Research
Research activities at the department center on the design, development and application of information and communication systems. Emphasis is also laid on the analysis and evaluation of business information mechanisms in a socio-economic context. The result is a predominantly solution-centered approach towards developing successful business applications. Most of our research projects are inspired by our network of partnerships with industry. Ideally, the results of our research enable our partners to generate innovative products and services. This practical focus notwithstanding, basic academic research is a strong and indispensable element of the
Department’s work. Accordingly, our activities are integrated in various project networks, some publicly funded, some designed as public-private partnerships. Our research is conducted in a variety of contexts: DFG grants (e.g., Priority Programmes, Collaborative Research Centres, Individual Research Grants), the International Graduate School, interdisciplinary cooperation projects, and European research projects. Our private sector partners include BMW, Benteler, Bertelsmann, Continental Teves, Daimler, Deutsche Bank, Hella, IBM, Lufthansa, Miele, E.ON RuhrGas, SAP, Siemens and Volkswagen. Our high volume of external funding reflects these commitments. The department is proud to have received a number of awards and commendations, including start-up business awards, research prizes, innovation awards, and awards for the achievements of our undergraduate and postgraduate students.

Degree programs and careers

Business information systems degree programs aim to produce qualified and knowledgeable experts with a strong interdisciplinary awareness who are able to view modern information and communication technologies from a business angle. This is achieved by a curriculum that imparts a thorough grounding in business information systems, business administration and economics, and computer science. Our Bachelor and Master programs take a scientific approach, yet also emphasize current e-business developments and applications. In other words, students gain a strong theoretical and practical grounding thanks to an efficiently structured schedule that also involves project work. They are familiarized with the tools and systems currently used in industry, so that towards the end of the programs they have mastered both scientific methodologies and their practical implementation. Our programs encourage students to work on their own initiative, take responsibility for their own work, be creative and develop communication skills. Researchers and Ph.D. candidates of the department are expected to work on their own projects independently. Once our Ph.D. candidates graduate, they join the backbone of the international network of knowledge and cooperation that drives Business Information Systems at the Paderborn University. The department has produced a large number of spin-offs.
PROGRAMS

Bachelor of Science Business Information Systems

The combination of academic and occupational education enables graduates to work in development related job roles, application related job roles as well as intermediaries between the two in the area of information systems, such as:

- Information manager
- Systems analyst
- IT ORG
- Software developer
- Database specialist
- Strategic and IT Consulting

Highlights

- Mentoring program
- Computer science as integral component of study program
- Going abroad in the fifth term made easy
- Core courses exclusive for BIS students
- Broad range of electives

Master of Science Business Computing

The M.Sc. program in Business Computing at the Paderborn University covers topics in Information Systems, Computer Science, Business Administration and Economics. The program is scientific and at the same time focused on applying Information Technology in real-life business settings. It is attractive for all students who look for a distinguished and unique focus within their studies.

There are several reasons for enrolling in the M.Sc. program in Information Systems at Paderborn University, including

- Graduates in Business Computing are in great demand in industry and science.
- According to current and independent rankings, the Business Computing program at Paderborn University is one of the best ones in Germany, especially its practical relevance is highly praised.
- Paderborn is the city with the most IT companies per citizens and the highest number of start-up companies in Germany.
- Paderborn is a young and dynamic city. The cityscape is characterized by the university and its students.

Furthermore, the graduation enables students to enroll in a Ph.D. program.

Highlights

- Computer science as integral part of program
- Studying abroad made easy
- Broad range of electives
- Project-based learning
- Practical relevance

Master of Science Management Information Systems

The goal of the master's program Management Information System (MIS) with the degree Master of Science (M.Sc.) is the training and qualification of interdisciplinary professionals, who understand the capabilities of information and communication systems in business and administration and are able to use latest technologies to achieve business objectives and to design the necessary change management in organizations. This is achieved by a mix of skills from business information systems and economics. A wide range of specializations in the subject of Management Information Systems is offered to students: Business information systems, information management and E-finance, innovative production and logistics as well as decision support systems and operations research. The master program MIS is open to all students with a relevant bachelor's degree in business information systems, or in economics with corresponding deepening in business information systems.
The master’s degree MIS is distinguished by its strong scientific orientation with a high practical relevance, specific thematic priorities as well as high flexibility of the study design. The courses provide concepts and methods, which are relevant to prevailing trends. Moreover, the methods are illustrated by means of current products and systems. Thereby, the students are able to apply these concepts and methods to applications of business information systems. After finishing the master's degree, students can work in various professional fields, for instance, as information managers, project managers, IT-controller, system analysts, IT-organizers or process organizers. Increasingly, they are sought-after in functional areas such as marketing, production or materials management. Another important focus of potential occupational activity is management consultancy within the field of strategic IT-decisions.

Highlights

- Individual third term
- Going abroad made easy
- Broad range of electives
- Focus on management aspects of BIS
- Personal mentor for each student
UNIVERSITY OF PASSAU

School of Business, Economics and Information Systems
University of Passau
Innstrasse 27
94032 Passau
Germany

ABOUT

The University’s modern campus is located in the south-eastern part of Bavaria – Germany’s high-technology state – in verdant surroundings, a few minutes’ walk from the historic Old Town of Passau. Considered one of the most beautiful cities in Germany, Passau has a very low crime rate and offers an excellent standard of living in a politically stable and economically robust environment, while being close to the major metropolitan centres of Prague, Munich and Vienna. The city, which is home to 50,000 people, is both a popular international tourist destination – around two million tourists visit each year – and an ideal place to live, work and study. This is thanks to Passau’s manageable size, up-to-date infrastructure, a rich cultural scene, an engrained entrepreneurial spirit and, most importantly, a strong sense of togetherness and support among its citizens. In all respects, the University reflects and promotes this spirit and has become a deeply embedded, integral part of the city of Passau.

Since opening its doors to the public in 1978, the University of Passau has quickly developed into a first address in German academia. The University regularly attains top positions in academic rankings. Some 12,000 students and doctoral researchers from more than 100 coun-
tries are enrolled at the University of Passau, 60% of whom are female. Today, the University community consists of 122 professors; 564 academic staff members, many of which belong to the 430 early career researchers of the University and 425 academic support staff.

Over the past decade, the four faculties of the University of Passau (Faculty of Law, Faculty of Arts and Humanities, School of Business, Economics, and Information Systems, and Faculty of Computer Science and Mathematics) have developed a particular interest in the societal implications of digitalization, culminating in the University's mission of conducting "science for the networked society." The underlying premise of this research identity is that digitalization and global networking are increasingly affecting all areas of our society—culture, economy, education, government, media, politics and the state. Thanks to the particular combination of faculties, the University is uniquely placed to realize its vision of becoming one of Europe's leading centres for research on the societal implications of digitalization by 2028, the year of its 50th anniversary.

The Information Systems department is home to four chairs, six professors and a total of more than 20 Information Systems researchers including renowned international visiting staff and addresses. Members of the institute have published in international top journals including ISR, JSIS, EJOR, OR Spectrum and Journal of Retailing. Their research addresses a broad spectrum of economic, business, regulatory and design aspects of Information Systems.
PROGRAMS

Bachelor of Science (B.Sc.) in Business Administration and Economics (BAE) / Major in Information Systems

The Bachelor of Science in Business Administration and Economics is a well-rounded programme that enables graduates to identify, analyse and solve business and economic problems independently and methodically. The degree programme is divided into three module groups: A) The core modules lay the foundation in methodology and principles of business administration, economics, law and information technology.

B) Various elective courses allow you to explore your personal areas of interest in greater depth. The electives include aspects of Internationalisation (establishing an international profile), accountancy and economics. C) Among several specializations, students are also offered a specialization in Information Systems.

Highlights

- Certificate of Intercultural Competence as an additional qualification: this comprises modules from the B.A. International Cultural and Business Studies, imparting in-depth knowledge of your chosen cultural region
- Includes a general studies module, allowing you to explore topics outside your academic discipline
- Subject specific business language & key skills programme
- Excellent ranking for "Graduations in appropriate time" and "Courses offered" in the CHE Bachelor Ranking (2017)

Bachelor of Science (B.Sc.) Wirtschaftsinformatik (Information Systems)

The B.Sc. programme in Information Systems has a modern educational profile that addresses not only aspects of business administration and computer science, but also interdisciplinary aspects of economics and law. It is comprised by four module groups: (A) Core Modules that lay foundations in business administration, computer science, information systems and economics (B) Elective modules in information systems, (C) specialization modules, including specializations in Internet Business, Business Intelligence and Management & Marketing and (D) foreign languages and soft skills.

Highlights

- Modern, flexible program with several specialization opportunities and very good balance of theory and application of state-of-the-art technologies
- Study a semester abroad at one of our several worldwide partner universities
- Subject specific business language and soft skills programme
- Includes a general studies module, allowing you to explore topics outside your academic discipline
- One of the highest ranked programmes in the categories „course offers“, „study feasibility“, „study support“ and „timely graduations“ in the CHE Bachelor Ranking in Information Systems (2017), as well as the leading position among all Informations Systems programmes in the German-speaking area for „overall study situation“.

Double master's degree in Digital Enterprise Management (DEMA) / Information Systems

The University of Turku, Turku School of Economics and the University of Passau, School of Business, Economics and Information Systems coordinate their Master’s degree programmes in Information Systems in order to enable outstanding students to obtain a degree from each institution.

The programme focuses on topics in Digital Enterprise Management (DEMA), which is comprised by two modules:
module focuses on economic and technical aspects of today's networked and digital business environment. Students learn about digitally enabled organizations, and how they benefit from advanced data management and digitalized, networked business platforms to improve performance of networked business ecosystems. Moreover, they learn about economic and technical aspects of digital ecosystems as well as information and communication technologies.

module focuses on the design, delivery, and implementation of IT services, applications and infrastructure to align business needs and IT security requirements in networked organizations. Special attention is paid to the management of complexity of IT-assets and networked business by means of enterprise architecture management and governance. The students learn to define IS services to support business processes and knowledge sharing, and to manage multi-party implementation projects. Students also develop their ability to understand the significance of business networks for software industry as well as methods to address ethical and responsibility issues related global businesses.

Highlights

- Very flexible and interdisciplinary programme
- Possibility of completing a double degree from Corvinus University Budapest (Hungary)
- Top ratings in the categories “Teacher Support” and “Transition to Master’s Studies” in the CHE Master Ranking
- Possibility of completing a double degree with University of Turku (Finland)

Master of Science (M.Sc.) in Business Administration / Major in Information Systems

The research-oriented M.Sc. Business Administration gives you a solid grounding in theory, skills and methods. This enables you to deal independently with a wide range of problems, particularly those related to business administration, using scientific principles.

The degree programme allows you to focus on Information Systems as one of three focus areas. Overall, the degree programme has been designed to maximize flexibility and choice of course modules. Upon successful completion of this programme you will have gained the qualifications to continue with doctoral study.

Highlights

- Very flexible and interdisciplinary programme
- Possibility of completing a double degree from Corvinus University Budapest (Hungary)
- Top ratings in the categories “Teacher Support” and “Transition to Master’s Studies” in the CHE Master Ranking
- Possibility of completing a double degree with University of Turku (Finland)

Master of Science (M.Sc.) in Business Administration / Major in Information Systems

If you have earned a first degree with an information systems focus and are interested in following up with a Master's degree in the same discipline, then you've come to the right place. The M.Sc. Information Systems allows you to consolidate your knowledge of e-commerce, business information systems, IT management, knowledge management and other topical subjects. In addition to the courses taught in this programme you will also have the opportunity to attend courses from the related programmes of study, Business Administration, Computer Science, IT Security, IT Law and Media and Communication.

This degree programme involves original research and working on hands-on projects.
Highlights

- Very flexible and interdisciplinary programme
- Possibility of completing a double degree with University of Turku (Finland)
- 100% employment rate of graduates immediately after completion
- Possibility of being part of high quality research project
- One of the highest ranked programmes in the categories „courses offered“, „study feasibility“, „study support“, „timely graduations“ and „international orientation“ in the CHE Master Ranking in Information Systems (2017), as well as the leading position among all Information Systems programmes in the German-speaking area for „overall study situation“.

PhD in Business and Economics / Focus on Information Systems

The Information Systems department at the University of Passau pursues high quality research projects and its professors belong to the best published researchers in Information Systems in Germany. The faculty offers a structural PhD programme in business administration and economics that allows a focus on information systems and includes several PhD level specialization courses. Prospective students can apply directly at one of the chairs of Information Systems. Students are regularly offered a job contract at the chair.

Highlights

- Involvement in high quality research projects
- Modern research facilities, including 3 computer laboratories
- International context and connections
- Specialized PhD-level training programme
HASSO PLATTNER INSTITUTE

Hasso Plattner Institute for IT Systems Engineering
Hasso Plattner Institute
Prof.-Dr.-Helmert-Straße 2 - 3
14482 Potsdam
Germany

ABOUT

The Hasso Plattner Institute (HPI) in Potsdam is Germany's university excellence center for digital engineering (https://hpi.de). With its bachelor's and master's degree programs in "IT Systems Engineering" as well as its master's degree programs in "Digital Health", "Data Engineering" and "Cybersecurity" the Faculty of Digital Engineering, established jointly by HPI and the University of Potsdam, offers an especially practical and engineering-oriented study program in computer science that is unique throughout Germany. At present, 600 students are enrolled in the program. HPI consistently earns a top-notch place in the CHE University Ranking. The HPI School of Design Thinking is Europe's first innovation school for university students. It is based on the Stanford model of the d.school and offers 240 places annually for a supplementary study. At HPI there are currently seventeen professors and over 50 guest professors and lecturers. HPI conducts research noted for its high standard of excellence in its IT topic areas. PhD candidates carry out research at the HPI Research School in Potsdam and its branches in Cape Town, Haifa, Nanjing and at the recently opened office in New York. The focus of HPI's teaching and research is on the foundations and applications of large, highly complex and networked IT systems. In addition, HPI concentrates on the development and research of user-oriented innovations for all areas of life.

Contact: Christoph Meinel
Institution website: hpi.de
EDUglopedia: eduglopedia.org/hasso-plattner-institute-for-it-systems-engineering-hasso-plattner-institute

www.eduglopedia.org
PROGRAMS

IT Systems Engineering

Our Bachelor’s degree program in IT Systems Engineering provides students with strong practical and software-oriented computer science skills and knowledge. The study combines the foundations of software development with engineering methodology. Emphasis is therefore not only placed on the necessary theoretical background but also on hands-on expertise. HPI's degree program is among the best in German-speaking countries and regularly earns a top place in the CHE (Centre for Higher Education) university ranking. The tuition-free program offers a first professional, academic university degree (Bachelor of Science), which is conferred together with the University of Potsdam.

IT Systems Engineering

If you already hold a Bachelor’s Degree in the field of IT Systems Engineering or in a similar equivalent field of studies, and if you have achieved excellent grades as part of that degree and are interested in our study goals and content, we look forward to receiving your application.

Our capacity is limited due to the fact that we guarantee our Master’s students small study groups and the support of an individual professor. 60 students are accepted into the Master’s Program each year. Enrollment is possible in summer and winter semester. The application deadline is January 15 for summer semester and July 15 for winter semester. Submitted applications are evaluated by the Master’s Program Admissions Board at our institute.

IT Systems Engineering

A doctorate or PhD (Promotion) is the essential foundation of any career in the sciences. The PhD is the only degree recognised by the academic community as well as by business and industry throughout the world.

The Hasso Plattner Institute currently has about 120 doctoral candidates working on their PhDs. In order acquire a doctorate at the HPI, doctoral students are required to be registered at the University of Potsdam for the duration of their studies. The language of instruction can be either German or English depending on the student’s own preference. The terms of graduation at the Hasso Plattner Institute are subject to the Doctoral Regulations (Promotionsordnung) outlined by the Faculty of Mathematics and Natural Sciences at the University of Potsdam.

- Information for Foreign Doctoral Students

Highlights

- Learning beyond your own field of research
- Opportunities for scientific exchange and networking
- Contact to partners in industry
- Work-friendly campus
- Generous scholarships offered through HPI Research School
About

The Faculty of Economic and Social Sciences of the University of Potsdam was founded in 1991. It is based at Griebnitzsee campus directly adjacent to the city limit of Berlin and includes the Teaching Area Information Systems and Digital Society. During the last 25 years a highly innovative hub of business informatics has been installed at this campus, also including the Has- so Plattner Institute. Our Bachelor's and Master's programmes give an excellent basis for research including four professorial chairs at our institute.
PROGRAMS

BSc Business Informatics

Our Bachelor's degree programme in Business Informatics provides an engineering driven approach on information systems. Accordingly, the teaching and research subject of the course of studies in business informatics at the University of Potsdam is divided into common compulsory and elective modules for computer science, with areas of theoretical, practical, applied, technical and human sciences computer science, as well as business administration, with lectures on organization and personnel, marketing, start-up and innovation management, taxes or auditing.

In an eight-week internship, students immediately experience the fact that business informatics is more than the intersection of two disciplines, but that human and social components play an important role in the successful coordination of company strategy and information processing. Due to internships and projects with companies, the study of business informatics focuses practice. The course of studies is also distinguished by its technical orientation with business management as well as small learning groups. The extensive offer of the elective modules allows an individual specialization for the later professional activity already during the study.

Highlights
- Business Informatics
- Information Systems
- CIO
- Management
- Computer Science

MSc Business Informatics and Digital Transformation

The research-oriented master's programme in Business Informatics and Digital Transformation allows an individual and targeted analysis of the technical and technology-induced economic changes in digital transformation. The study program pursues an interdisciplinary approach between subjects such as business informatics / information systems, computer science, business administration and public management. With a modern concept of research orientation, flexible content and interdisciplinarity, future Chief Digital Officers (CDO) and Chief Executive Officers (CEO) will be developed for the digital economy and society. It is worth mentioning the opportunity to complete the compulsory subjects at an early stage, and on this basis to use high degrees of freedom in the selection of the main research subject in the following semesters. For suitable students there is the possibility to be involved in the current research work of the chairs. Thus, both the scientific orientation and a high practice orientation characterize the study offer. The supervisory relationship within the program is very good.

Highlights
- Digital Transformation
- Research orientation
- Digital Leadership
- Digital Excellence
- Supervision
DHBW RAVENSBURG

Business Information Systems
DHBW Ravensburg
Marienplatz 2
88212 Ravensburg
Germany

ABOUT

Baden-Wuerttemberg Cooperative State University (Duale Hochschule Baden-Württemberg / DHBW) is the first higher education institution in Germany which combines on-the-job training and academic studies and, therefore, achieves a close integration of theory and practice, both being components of cooperative education. With around 34,000 enrolled students, over 9,000 partner companies and more than 145,000 graduates, DHBW counts as one of the largest higher education institutions in the German Federal State of Baden-Wuerttemberg.

Institution website:
www.ravensburg.dhbw.de/studienangebot/bachelor-studiengaenge/wirtschaftsinformatik.html
EDUglopedia: eduglopedia.org/business-information-systems-dhbw-ravensburg

All degree programmes are both nationally and internationally accredited, count as intensive study programmes and are worth 210 ECTS credits. In addition, DHBW offers postgraduate degree programmes with integrated on-the-job training.

DHBW Ravensburg with campuses in Ravensburg and Friedrichshafen is located in a both economically strong and scenic region in upper-swabia close to Lake Constance and the Alps. In the study year of 2016/2017 approx. 3,700 students are enrolled in the study programs of DBHW Ravensburg.
PROGRAMS

Business Information Systems - Business Engineering

Study program that combines on-the-job training and academic studies. Current company partners include Accenture, Bosch Sicherheitssysteme, SAP and ZF Friedrichshafen etc.

The focus of the program is on Business Engineering, Project Management and Consulting for ERP-Systems.

Typical courses are:

Methods of business information systems: Essential knowledge on the analysis and design of business information systems.

Systems design: Principles, methods and techniques of systems analysis and systems design.

Informatics: Foundations of IT-architectures, computer networks and databases.

Business administration: Models, methods and concepts of business and economics.

Major "ERP-Consulting": Key skills to manage IT-projects successfully.

Auxiliary disciplines: Helpful instruments: Mathematics, law, language courses.

Soft skills: Important capabilities for professionals

Highlights

- combined on-the-job training and academic studies
- Business Engineering
- Consulting
- Management Information Systems
- Project Management
Computer Sciences & Mathematics (Informatik & Mathematik)

OSTBAYERISCHE TECHNISCHE HOCHSCHULE REGENSBURG

Computer Sciences & Mathematics (Informatik & Mathematik)
Ostbayerische Technische Hochschule Regensburg
Universitätsstr. 31
93053 Regensburg
Germany

Contact: Markus Westner
Institution website: www.oth-regensburg.de
EDUglopedia: eduglopedia.org/computer-sciences-mathematics-informatik-mathematik-ostbayerische-technische-hochschule-regensburg

ABOUT

The Faculty of Computer Science and Mathematics is a natural sciences faculty with two core areas: computer science and mathematics. It is mathematics which lays the foundation for all technical and business disciplines. In computer science we see our task as teaching students to formulate problems from industry, business, administration and medicine in a way that allows them to be resolved effectively using data processing systems.

Degree courses

We provide a broad, practice-oriented grounding while responding to the market's known demands for specialisation in selected skills. The knowledge acquired in our Bachelor programmes can be broadened and intensified in two Master courses: the Master of Computer Science and the Master of Mathematics. Our application-oriented approach with its strong practical focus is enhanced by numerous opportunities for partnership with regional business and industry.

Full accreditation

All our degree programmes are accredited by ASIIN. The ASIIN agency is certified by the German Accreditation Council, whose purpose is to ensure the quality of teaching and learning in Germany and, to contribute to the attainment of the European Higher Education Area. This guarantees that our programs meet internationally recognized quality requirements.
PROGRAMS

Bachelor of Business Information Technology (Wirtschaftsinformatik)

Are you keen to design computer-aided application systems and use them in practice? To combine business studies and computer science and so help to deliver novel outcomes and knowledge? If you are, then our bachelor's degree programme in Business Information Technology is right for you!

The impact of information and communications technology on everyday social and business contexts grows constantly. Standard software, databases and internet applications are commonplace components of our everyday lives. Custom IT architectures are created, and processes designed on the basis of company aims and objectives. It will be your task as a developer, consultant, project collaborator or IT manager to master complex IT solutions. Business information technology may be a relatively young discipline, but it has already become an indispensable part of every sector.

Our accredited B.Sc. in Business Information Technology will prepare you optimally for the tasks that lie ahead. You can also go on to study for a M.Sc. in Computer Science in a further three semesters, opening even more doors to career opportunities! You can be confident of making the right choice!

Highlights

- Internship
- Applied computing
- Projects
- Dual degree
- Study abroad

Bachelor of Computer Science (Informatik)

Are you keen to help shape our future and be an innovative problem-solver? Are you looking for a profession that offers excellent prospects in a wide range of fascinating fields? If you are, then our bachelor's degree programme in Computer Science is right for you!

Information and communication technologies are having a growing impact on human social and economic activities the world over. One or more computer systems are at work in virtually every modern device.

Standard software, databases and IT architectures are commonplace components of our everyday lives. Your task will be to identify and describe practical problems of the type faced by business, industry and administration in such a way that they can be efficiently handled by data processing systems.

Our accredited bachelor’s degree programme in computer science guarantees you a broad interdisciplinary training and will prepare you optimally for the tasks that lie ahead. And if you wish, you can go on to study for an M.Sc. in Computer Science in a further three semesters. You are making a really good choice and one that will open many doors.

Highlights

- Applied Science
- Internship
- Dual degree
- Study abroad

Bachelor of Medical Information Technology (Medizinische Informatik)

This degree programme – unique in Bavaria – is offered by the Ostbayerische Technische Hochschule Regensburg in close collaboration with the Faculty of Medicine and the University Hospital Regensburg. The degree programme is designed to provide practice-based tuition in which you are familiarised with the typical procedures applied in hospitals and integrated supply structures. You will experience at first hand how modern information technology is used in the interest of the patient’s well-being and the optimal use of resources, and will help shape applications in small-scale projects as part of the degree programme.

www.eduglopedia.org
As a graduate you will have excellent career prospects: IT specialists in medical information technology are found not just in all branches of health care but also in software development for applications of medical technology and hospital information systems, a sector with one of the highest growth rates in Germany.

And when you have gained your B.Sc., why not go on to study for a master’s degree in Computer Science at the Ostbayerische Technische Hochschule Regensburg – the choice is yours! The decision to study for a B.Sc. in Medical Information Technology is one you will not regret!

**Highlights**

- Internship
- Applied computing
- Dual degree
- Study abroad

**Bachelor of Technical Computer Science (Technische Informatik)**

Do you want to help shape the future? Do you enjoy working with others to find innovative solutions to technical problems? Are you looking for a profession that offers excellent prospects in a wide range of fascinating fields?

If so, our bachelor’s degree programme in Technical Computer Science is right for you! The impact of information and communications technology on everyday social and business contexts grows constantly. These days, one or more computer systems are at work in virtually every technical device. A modern mid-class car already has more computing power than a mainframe of the Nineties.

Software’s share of value-added in technical systems is still growing rapidly, so the demand for technical competence will continue to be strong in future. Our accredited B.Sc. degree programme in Technical Computer Science will prepare you well for your future tasks. You can also go on to study for an M.Sc. in Computer Science in a further three semesters, opening even more doors to career opportunities! You can be confident of making the right choice!

**Master of Computer Science (Informatik)**

Have you already gained your first degree and are you keen to study and qualify on a higher level? Are you looking to broaden your studies in the field of computer science and bring the theoretical knowledge you have acquired to bear on applications-oriented research topics?

If you are, then our M.Sc. in Computer Science is right for you! The ever-growing impact of information and communications technology on our everyday social and business lives will sustain an increasing demand for highly qualified computer scientists in the future. You will find that a M.Sc. in Computer Science will lay the foundations for entry to employment on a higher level and enable you to plan for a successful career. It will also facilitate access to the higher career levels in the civil service and confer entitlement to PhD studentships. As well as opening the way to a career with a strong applications bias, an M.Sc. in Computer Science will create varied opportunities for scientific work and prepare you to face future challenges with skill and confidence. Take control of your future. You will be making an excellent choice!

**Highlights**

- Applied computing
- Research
- Dual degree
- Study abroad
ABOUT
Regensburg has had a long tradition of education and science, even though it only became a university city in the 1960s. The names of great scholars and scientists such as Albertus Magnus or Johannes Kepler are closely connected to Regensburg.

Regensburg, the metropolis on the river Danube, has the highest density of pubs and bars in Germany, plenty of summer flair – it is actually dubbed Italy’s most northern city – and its student life ranks among the most exciting of all of Germany.

Management Information Systems Department at the University in Regensburg

Management Information Systems (MIS) is a (comparatively) young, interdisciplinary science. The fast progressing digitalization of enterprises due for instance to the omnipresence of the internet and mobile technologies and their pervasive use, results in a plethora of digital services and information providing the base for the development of a wide range of novel
products and services, offering a myriad of opportunities for innovations.

Such developments are focused by MIS, dealing, on the one hand, with entrepreneurial topics by means of information technologies and supporting, on the other hand, organizational processes. Moreover, technical realities are analyzed and assessed in view of feasibility, practicability and economic issues. Today information systems are the enterprises’ “backbone”, impressively demonstrated by internet companies such as Google or Amazon. What is more, new technological developments open up market potentials and opportunities for enterprises. MIS sees information systems from an integral view dealing with both the entrepreneurial challenges and the users of new information technologies. Therefore, one focus of the MIS programs is on the topics Internet Business and IT Security.
PROGRAMS

Bachelor of Science in Information Systems (Wirtschaftsinformatik)

The Bachelor Program comprises six semesters (three years) divided into two phases. In the first, three-semester phase, the students are familiarized with the program-specific basics in Business Studies, Computer Science, Mathematics and Statistics as well as MIS. The courses offered provide the participants with the methods expertise necessary for the second, more in-depth phase of the program.

This second phase aims at deepening program- and subject-specific contents focusing for instance on Internet Business and IT Security, with a number of different courses – either compulsory or elective – being offered. In addition, students do project seminars in cooperation with a company working on a clear-cut topic from the program focus areas Internet Business or IT Security during a specified period of time. Finally, they will present their results in class in a comprehensible manner. At the end of their studies, students write their bachelor thesis.

Highlights

- Excellent student-to-staff ratio
- Interesting, challenging mix of business and IT topics
- Comprehensive student exchange program for studying abroad
- Close collaborations with industrial partners

Master of Science in Information System (Wirtschaftsinformatik)

The Master Program comprises four semesters (two years). The two groups of compulsory modules teach basics in the fields of Information Technology and Business Economics. In addition, there are modules for individual specialization in the fields of Business Information Systems, IT Security and Internet Business.

The specialization module Business Information Systems focuses business information systems on two levels: 1) On an operational level, business processes are designed and modeled to systematically identify and realize improvement potentials. 2) On a technological level, information systems that have to be designed in such a way as to support the operational tasks and processes in the best possible way are investigated.

IT Security tries to systematically protect the production and business processes in enterprises and organizations, which were realized with the help of IT, against intended attacks (Security) and unintended events (Safety). To this purpose, security models and concepts are created and security infrastructures, risk analysis and management systems are installed.

The specialization module Internet Business familiarizes the students with the interaction of new technologies and innovative business models in Internet Business as well as with their realization in processes along the value chain. Topical subjects in Internet Business as for instance the use of Social Media, mobile applications or Big Data are dealt with in-depth by means of case studies.

Highlights

- Excellent student-to-staff ratio
- Interdisciplinary program
- Comprehensive student exchange program for studying abroad
- Close collaborations with industrial partners
SAARLAND UNIVERSITY

Institute for Information Systems
Saarland University
Stuhlsatzenhausweg 3
Campus, Bldg. D3.2
66123 Saarbruecken
Germany

Contact: Peter Loos
Institution website: iwi.uni-saarland.de
EDUglopedia: eduglopedia.org/institute-for-information-systems-saarland-university

ABOUT

Located in the south-west of Germany, Saarland University (www.uni-saarland.de/en) has earned an international reputation for its research in computer science and informatics and for work in the life sciences and nanosciences. The university is also distinguished by close ties to France and by its strong European focus. Around 18,000 students are currently enrolled at Saarland University studying over one hundred different academic disciplines. All of the major German scientific organizations are represented on campus, which is home to two institutes of the Max Planck Society, two institutes within the Leibniz Association, two Fraunhofer institutes of applied research and a Helmholtz research centre. Moreover, the German Research Centre for Artificial Intelligence (DFKI), the biggest research center worldwide in the area of Artificial Intelligence, is represented on campus. The Cluster of Excellence in the field of informatics enjoys an excellent international reputation and the numerous awards received by many of the scientists working in the cluster are testimony to the standard of research being carried out. Currently, there are 5 chairs involved in teaching IS students.

www.eduglopedia.org
PROGRAMS

B. Sc. in Information Systems

Business informatics is an interdisciplinary subject at the interface of business administration and computer science. Business informatics is concerned with the development and deployment of IT and communications technology-based solutions to resolve business problems, and with the analysis and assessment of the suitability of new information technologies for application in practical business environments. Business informatics places less emphasis on the acquisition of pure hardware and programming expertise and allows students to focus more on developing their abilities to create IT-based solutions and to work collaboratively to implement solutions in company and corporate environments. In addition to introducing students to the fundamentals of information processing, the B.Sc. programme in business informatics aims to teach students the analytical skills required to solve problems in business economics.

The interdisciplinary character of business informatics provides students with numerous options to pursue specialist interests during their degree studies and in their subsequent careers.

The six-semester programme has a definite practical focus. Students who successfully complete the programme will be awarded a Bachelor of Science degree (B.Sc.). Over the course of the three-year programme, students will be taught the fundamental facts, concepts and methods of business informatics, computer science and business administration. Graduates will be able to apply the knowledge and skills acquired to solving practical problems in business informatics in their subsequent careers. The Bachelor's programme is a first-degree programme after which qualified graduates can enrol for the consecutive Master's degree.

M. Sc. in Information Systems

The Master's degree programme "Information Systems" prepares students for challenging and exciting opportunities to carry out research and development work in both the domestic and international markets. Students are taught how to use the conceptual approaches of business informatics to solve business and commercial challenges. Graduates from the M.Sc. programme have not only acquired a thorough grounding in business informatics, economics, computer science and academic and research techniques, they have also demonstrated that they can successfully undertake independent, self-organized learning and can apply appropriate methodological and analytical skills when solving challenging problems. Business informatics graduates from Saarland University are highly sought-after as experts able to transfer ideas and technology from the academic world to the world of commercial business practice.

Business informatics at Saarland University combines the disciplines of economics and informatics and the department collaborates closely with a large number of respected institutions located on the Saarbrücken campus, including the German Research Center for Artificial Intelligence (DFKI). The department also maintains fruitful cooperative ties with universities in Australia, the USA and other countries. The staff scientists and research teams in business informatics are engaged in application-driven research projects and in knowledge-sharing activities with academics and scientists in neighbouring disciplines.

Highlights

- Specializations in BPM, BI or Research
- Wide choice of courses
- Master thesis abroad or in companies possible

www.eduglopedia.org
UNIVERSITY OF SIEGEN

Department of Business Administration, Economics, Information Systems and Business Law
University of Siegen
Kohlbettsstrasse 15
57072 Siegen
Germany

ABOUT

Welcome to the University of Siegen.

We are a modern, high-profile university with an international orientation. The University of Siegen is guided by the central principle: “Creating a humane future”. Students and academics from overseas are very welcome. Today the University of Siegen hosts more than 19,000 students and more than 11% come from other countries. Our International Office offers a comprehensive service to ensure that you soon feel at home in Siegen.

To learn more about the University of Siegen, facts and figures and its history, please visit our website http://www.uni-siegen.de.

The University of Siegen offers a variety of degree programs across four different faculties. If you are interested in studying at the University of Siegen, you will find all the information you may require under International Office on our website. If you are a visiting academic, you will find relevant information under International Affairs.

The wide range of research activities includes basic and applied research across all faculties.

www.eduglopedia.org
PROGRAMS

Bachelor of Science in Information Systems

The course of studies "Bachelor of Science in Information Systems" leads to an undergraduate first degree which is practice-oriented and inter-disciplinary, providing the graduate with a first professional and scientific qualification. Information Systems is a scientific discipline undergoing continual innovation. For this reason, particular emphasis is placed on a firm scientific and practical foundation. This foundational knowledge enables students to systematically and independently acquire further knowledge. Mathematical, computer-scientific, business administration and law aspects together with the integrative topics of information systems form an interdisciplinary qualification. The study contents are equally distributed over the three fundamental disciplines Information Systems, Computer Science and Business Administration. In addition, key qualifications are trained, such as the ability to work scientifically and in a team; communication and conflict resolution skills; inter-disciplinary studies and taking responsibility in selected modules as well as within the Information Systems modules. The aim of the studies is to equip oneself for the changing and diverse tasks in the various professional fields of Information Systems Management and to be trained to deal at any time with new problem areas and in so doing to apply the acquired expert knowledge properly and responsibly.

Highlights

- German IS experts
- Practical reference
- Business Contexts
- Important elements of computer science
- Individual care

Dual Studies - Bachelor of Science in Information Systems

The course of studies "Dual Studies - Bachelor of Science in Information Systems" leads to an undergraduate first degree supporting work practice through a fully integrated combination of university studies and working in the industry. A working contract with a company besides the matriculation allows the graduates to gain a scientific qualification as well as an early work experience. The order of study is structured in lecture phases at the University of Siegen and working phases in a company. This special program aims to allow the students an early integration in an industrial working setting and the chance to apply the gained knowledge from the lectures in practice. Most lectures at University are equal the study program "Bachelor of Science in Information Systems." It includes a mix of mathematical, computer-scientific, business administration and law aspects as well as integrative topics of information systems and forms an interdisciplinary qualification. Furthermore, dual students receive some lectures focussing particularly on practical topics.

Highlights

- German IS experts
- Increased practical reference with individual support
- Project management
- Business Contexts
- Important elements of computer science

Master of Science in Human-Computer Interaction

The course of studies "Master of Science in Human-Computer Interaction" is designed as a post-graduate study program for graduates in the fields of Informatics, Engineering and Media

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Studies. Siegen's HCI Master was developed in a practice-oriented and interdisciplinary manner teaching the students the capabilities and knowledge for conducting a human-centered design approach for socio-technical systems. The concept taught in Siegen differs from classical usability studies evolved from the field of work psychology and ergonomics. Researchers in Siegen are convinced that classical quantitative approaches, e.g. lab studies, reduce the human to his role as user and his tasks. The aim of Siegen’s research and teaching concept is to focus on the whole human and therefore use particularly qualitative methods evolving from ethnographical field and grounded theory. The program takes four semesters and consists of mandatory modules, elective modules and supplementary modules taught interdisciplinary. The composed courses cover all fields related to the development of social-technical artefacts: This includes the areas of social psychology, design, informatics, media and business administration. Master graduates of the HCI Master have available a broad range of methods and techniques for conducting a successful human-centered design progress focussing on usability and user experience. 

Highlights

- German HCI experts
- Usability competence center
- Ethnographic expertise
- User Experience (UX) Design
- CSCW research group

Master of Science in Information Systems

The course of studies "Master of Science in Information Systems" is designed as a consecutive study program for graduates in Information Systems or any other programs with a main focus on Informatics and Management. The master is nationally oriented and builds up on the "Bachelor in Information Systems". It aims to provide the students with concepts in terms of information technology and economy as well as with knowledge about tools and their usage in organisations for designing and influencing business processes. In order to meet today's requirements of an internationally and highly connected economy the main focus is set on supporting distributed values chains and processes across organisational boundaries and locations. The lecture’s contents derive from the fields of information systems, business administration or informatics and the concept of elective modules allows the students to decide on their specialisation in the course of their studies.

Highlights

- German IS experts
- Practical reference
- Customizable
- Individual care
- Specialization in Business Contexts and computer science
WHU - OTTO BEISHEIM SCHOOL OF MANAGEMENT

Business Information Science and Information Management
WHU - Otto Beisheim School of Management
Burgplatz 2
56179 Vallendar
Germany

ABOUT

WHU – Otto Beisheim School of Management is an internationally oriented and mainly privately financed business school based in Vallendar and Duesseldorf. Founded in 1984, WHU is now one of the most renowned German business schools with an exceptional national and international reputation. WHU stands for "Excellence in Management Education" and pursues this goal in its three core areas of activity: academic programs, research, and transfer in the field of general management. This excellent standard has been certified by accreditations from AACSB, EQUIS and FIBAA as well as through leading positions in national and international rankings. In addition, WHU is the only private business school in Germany which is a member of the German Research Association (DFG). WHU students profit from a large network of partner universities, companies and alumni.

The Chair of Business Information Science and Information Management conducts teaching in the area of Management Information Systems, our research is focused on information management for digital transformation. Research activities involve design, use and management of information systems for enterprise networks, knowledge management and business analytics for cooperative innovation, and approaches of management and organizational cybernetics.

Contact: Sven-Volker Rehm

www.eduglopedia.org
PROGRAMS

PhD. in Business Administration

The WHU - Otto Beisheim School of Management Doctoral Program targets applicants who have completed a Diploma or Master program with outstanding success and who are motivated to accomplish academically sound work that is located in the exciting area between theory and practice. Graduates of the Doctoral Program receive the title of Doctor of Economic Science (Dr. rer. pol.).

The Chair of Business Information Science and Information Management at WHU serves as contact point for project and thesis ideas and concepts in the area of information systems and information management.

Highlights

- Participants will receive an integrative perception with regard to economic and business problems and will be able to develop complex strategies
- Participants will be prepared to work afterwards within internationally operating organizations and a global working environment
- WHU offers a creative and performance supporting environment
- PhD project supervision takes place in a personal and cooperative atmosphere
ABOUT

Studying at the University of Applied Sciences Wedel means laying the foundation for a brilliant career! For the last 60 years, our private university in the metropolitan area of Hamburg has guaranteed the highest quality in teaching and science. Our graduates benefit from this excellent reputation, since most of them already have signed a job contract by the time they have finished their studies.

We offer eleven different bachelor's programmes and six master's programmes in the fields of business, computer science and engineering. In these programmes, our students will be well-prepared for the business world through a combination of profound knowledge and practical experience.
PROGRAMS

Bachelor of Science in E-Commerce

The E-Commerce programme combines fundamentals of computer science and business administration in relation to the requirements of digital commerce.

A module is made up of different complementary courses - such as lectures, projects, and seminars.

Particular emphasis is placed on application-oriented, practical and interdisciplinary studies, which allows students to gain knowledge and practical experience during projects and case studies as well as in research and development tasks.

Two elective tracks are offered in the E-Commerce programme: A track with a focus on computer science and a track with a focus on business.

The computer science track will educate students in programming skills and thereby their ability to mathematical algorithms analysis. Students will also gain essential business skills. In business track, students learn the fundamentals of business administration and economics as well as first insights into programming. Both disciplines also convey specific E-Commerce knowledge such as online marketing and web analytics. Students will be able to assess the added value of IT solutions and have the tools for successful project management in software engineering.

Highlights

- Practice-oriented
- Practical and interdisciplinary studies
- Seminars and projects

Bachelor of Science in IT-Management, Consulting & Auditing

The course IT Management, Consulting and Auditing is an application-oriented bachelor programme which addresses the usage of information systems in companies. Due to its thematic focus on the complete lifecycle of IT systems in organizations it stands out from related programmes such as business informatics. Besides the technical aspects of IT system design and implementation it comprises a holistic view on managerial and organizational perspectives on the provision of high quality IT services in process-oriented organizations. At the same time the curriculum covers special requirements that are essential for professional activities in the IT consulting and IT auditing domain. The integrated development of managerial and computer science-related competences as well as the focus on specific professional fields is the particular substantive strength of the programme. With this thematic focus, numerous diverse professional activity fields are possible for the graduates in almost all branches of industry and all management levels.

Highlights

- Practice-oriented
- IT management in consulting
- IT management in auditing
- Manage IT in big companies

Master of Science in E-Commerce

The master's programme qualifies students to work scientifically and provides a broad foundation for theoretical and analytical skills. Students acquire knowledge of sophisticated methods to solve advanced problems in the digital business sphere with a focus on managerial aspects of digital commerce.

Major courses include business models and strategic change management as well as business intelligence and IT management.

In addition, students acquire management skills during team-based project work. FH Wedel maintains close contact with industrial partners, especially in Hamburg and northern Germany. Due to practice-oriented courses and projects, graduates and students of FH Wedel enjoy an
excellent reputation as highly skilled, committed, and dynamic professionals.

Highlights

- Digital business models
- Strategic change management
- Business intelligence
- IT management
- Management skills

Master of Science in IT Engineering

In the master's course IT Engineering students acquire advanced skills in computer science and engineering. They receive a mix of theoretical foundations as well as practical knowledge in various fields such as medical engineering, technical optics, robotics, embedded systems, algorithmical issues and IT security. They may specialise in software development as well as in engineering topics as well as in IT security. Our master's programme enables to carry out scientific work and provides deep theoretical and analytical skills. Students will be trained to be eligible for leading positions. If they decide to stay in science, they may pursue a PhD thesis as a following step at a scientific university. At the end of the studies, students will have an advanced set of skills which can be applied to various jobs in the field.

Highlights

- Close contacts to industry
- Excellent employment rate of graduates
- Learning in small study groups
- Cooperative exchange with professors and employees
UNIVERSITY OF WUERZBURG

Faculty of Economics
University of Wuerzburg
Sanderring 2
97070 Würzburg
Germany

Institution website: www.wiwi.uni-wuerzburg.de/
EDUglopedia: eduglopedia.org/faculty-of-economics-university-of-wuerzburg

ABOUT

Since its founding more than 600 years ago a lot has changed at the University of Wuerzburg. Julius Maximilians University (JMU) combines traditional concepts with future orientation. Its renowned professors, the versatile range of courses and the outstanding research are only a few strengths of JMU Wuerzburg. JMU is the third largest university in Bavaria and easily accessible due to its central location within Germany. With more than 30,000 students in total, Wuerzburg is one of the cities with the youngest people in the country, and undoubtedly a "college town". Würzburg's cityscape seamlessly combines modern architecture with historical buildings. The Faculty of Business Management and Economics is providing a wide range of study programs to its students. The Bachelor's programs offer the degree of „Bachelor of Science (BSc) in Business Management and Economics, Business Information Systems and Business Mathematics. These programs are important prerequisites for a career start or a consecutive master's program in Business Management, Economics, Business Information Systems or Business Mathematics. In addition, JMU offers an Executive Master's program (with integrated stay abroad) with a Master of Business Administration (MBA) degree. Interdisciplinary orientation and an intercultural focus are important factors for the faculty and are part of the master's programs Chinese and Economics as well as China Business and Economics, which are both coordinated by the Institute of East and South Asian Cultural Studies, Sinology.
PROGRAMS

Bachelor of Science in Business Information Systems

This Bachelor of Science in Business Information Systems (dt. Wirtschaftsinformatik) is primarily for school-leavers who wish to acquire all the necessary skills and qualifications for the planning, organisation and development of information processing in business and industry. The course covers the fundamentals and methodology of Business Management, Economics and Business Information Systems. The bachelor's degree thus provides a sound basis for the master's degree which follows and also equips the student with a good preparation for the business environment. The first two semesters are an introductory and orientation phase. The students learn methodological principles and acquire a fundamental knowledge of the basics of Business Management and Economics. At the same time, they are given a broad insight into the central economic questions and become acquainted with the mathematical and theoretical concepts with which they will be concerned in the course of their studies. From the third semester, in addition to the compulsory programme, students can select subjects from a pool of attractive compulsory core electives and key qualification modules.

Highlights
- low tuition fees
- heterogeneous content

Executive Master of Business Administration

The Executive Master of Business Administration (MBA) at Wuerzburg University is an opportunity for current and future leaders to earn an internationally recognized university degree while pursuing their careers. This part-time programme provides comprehensive and effective knowledge and skills to successfully take on a leadership position in today's business environment.

Master of Science in Business Information Systems

The master's degree course in Business Information Systems (dt. Wirtschaftsinformatik) is for students who wish to acquire advanced knowledge of and qualifications in the planning, organisation and development of business information processes and systems. The course covers Business Management and Economics, Business Information Systems and Computer Science. Within this course of study, students can select from a number of tracks. The Master of Science in Business Information Systems provides students with first-class career opportunities in German companies as well as international firms.
Master of Science in Business Management and Economics

In planning the master's degree courses, the Faculty has opted to allow students a high degree of freedom in the selection of the subjects of their studies. On the one hand, students can focus from day one on an education with a specific career in mind (such as tax accountancy, business information systems, human resources management, banking or research institutes) and acquire the necessary knowledge and expertise. On the other hand, students have the option of selecting courses from 18 different specialisations. These courses are offered by the different departments and chairs of Business Management and Economics. The students are able to determine their own personal focus by their individual choice of in-depth subject. This course model is unique in Bavaria and opens the option for a flexible configuration of subjects as well as the opportunity to expand one's horizons by selecting subjects outside the narrow field of study. The interdisciplinary options were introduced so that students can attend courses in other fields of both Business Management and Economics in addition to their chosen in-depth subjects.

Highlights

- low tuition fees
- personal focus
- heterogeneous content
- flexible configuration of subjects
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

University College Dublin has its origins in the mid-nineteenth century under the leadership of the renowned educationalist John Henry Cardinal Newman. Since its foundation in 1854, the University has flourished and made a unique and substantial contribution to the creation of modern Ireland, based on successful engagement with Irish society on every level and across every sphere of activity.

The UCD College of Business is Ireland’s leading Business School and research centre, and has been delivering business education in Ireland for over 100 years. It comprises of UCD Lochlann Quinn School of Business (undergraduate), UCD Michael Smurfit Graduate Business School, UCD Smurfit Executive Development and UCD Centre for Distance Learning.

The Management Information Systems (MIS) group was established in 1979 as a research and teaching group within the College of Business. Research activities of members of the Management Information Systems Group are organized within two centres, which reflect a dual thematic focus:

- UCD’s Centre for Business Analytics (CBA)
- UCD’s Centre for Innovation, Technology & Organisation (CITO)
The Digital Innovation programme facilitates the development of capabilities attuned to the management of software development, information systems deployment and operations, organisational change mediated by ICT, and innovation whether within organisational contexts or directed towards wider markets. We bring technologists together with entrepreneurs and people with business understanding to foster development of sophisticated understandings of the issues of tools/technology for people in organisations, organisational ecosystems and society at large.

Our goal is to nurture ICT aware analysts and managers with a knowledgebase that prepares them to be influential, thoughtful and effective in shaping the transformation of the businesses, organisations and institutions of Ireland resulting from the rollout of ICT.

Government agencies and employers indicate continuing concerns about the scarcity of ICT related skills. Business oriented IT and digital business degrees remain highly relevant to the skills demand of industry in Ireland and internationally. The Digital Innovation programme uniquely addresses ICT innovation by focusing on innovation/organisational factors in high-tech product management. This contrasts with offerings in other Universities that tend to emphasise skills in a particular technology niche.

Audience: A unique feature of the programme is that is aimed at both young graduates and experienced managers and professionals. Programme delivery is designed for people in employment to complete on a part-time basis over two years or for full-time students to complete in one year.

Strengths: The programme draws on the unique knowledge, skills, and experience of members of UCD Michael Smurfit Graduate Business School’s CITO research centre (Centre for Innovation, Technology and Organisation) and the Centre for Business Analytics (CBA) in the MIS subject area (Management Information Systems).

Scholarships: A limited number of merit and needs based scholarships are available under the overall UCD Michael Smurfit Graduate Business School scholarship programme.

Highlights

- Cultural and Political Perspectives on Managing Technology and Change
- Knowledge, ICT & Organisation
- Managing Strategy and Innovation in a Digital Era
- Design, Development, Creativity
- Managing Distributed Teams, Outsourcing and Offshoring
ABOUT

Business Information Systems (BIS) is a multidisciplinary group of 32 staff members (academic, administrative and technical), augmented by circa 20 further contract researchers. Whilst operating in the context of the Department of Accounting, Finance and Information Systems, BIS has a global reputation in the field of Information Systems. BSc Business Information Systems undergraduate degree at UCC has been taught for over twenty years resulting in an alumni network of over 1,000 business professionals. With seven postgraduate programmes and a structured PhD programme on offer, Business Information Systems (UCC) is home for over 600 students on an annual basis.

All academic staff in BIS are research active, well supported by a flexible, but well-defined structure, based around several thematic research centres which act as platforms for engaging with business and actively pursuing funding opportunities. Research Centres include: Financial Services Innovation Centre (FSIC), Financial Services, Governance, Risk and Compliance Technology Centre (GRCTC), Health Information Systems Research Centre (HISRC), Centre for Security Management Research (S-Help) and The Centre for Open Research and Practice (CORP).

www.eduglopedia.org
PROGRAMS

BSc Business Information Systems

The BSc in Business Information Systems (BIS) specialises in the key skills that are essential to the success of professionals in modern information technology and information systems.

The goals of this four-year degree course are to:

- educate: provide a worthwhile and memorable student experience
- collaborate: join with business to ensure BIS students gain cutting edge skills in business and IT, while also linking with businesses to provide innovative IS-related expertise
- innovate: cultivate and apply expertise in teaching, research and development.

Our BIS Advisory Board, incorporating a number of the most senior Irish business executives, is there to advise and ensure UCC BIS courses are world-class, relevant, and attractive to businesses nationally and internationally.

Highlights

- Six month paid business internship (locations: Ireland, USA and UK)
- Student focused (we promote a friendly atmosphere and offer a wide range of supports to our students
- Interesting, challenging mix of business and IT topics to prepare graduates for the workplace of the future
- a critical understanding of Internet and mobile business strategies, models and processes
- a high level of competence in the technology skills needed to develop professional electronic and mobile business systems
- excellent employment opportunities and a world-class student experience

The course is 12 months full-time. In Part 1 there are typically 16 hours of lectures per week and eight hours of tutorials. A total of eight modules are taught in Part 1 of the course.

Modules:

- Electronic Business Models and Systems
- e-Business Experience and Practice
- Programming for Web Applications and Services
- Introduction to Mobile Programming
- Data Modelling and Database Systems
- Application Modelling and Design
- Storage Technology
- Telecommunications for Electronic Business

Dedicated lab facilities are available for students to work on their course assignments in Part 1 and their group project in Part 2.

Electronic Business

The Master of Electronic Business (MSc e-Business) is a 12-month (full-time) taught master’s degree course. This intensive and innovative course is designed to provide honours graduates who have little or no prior technology experience with:
Focus on Electronic Business

The Master of Electronic Business (MSc e-Business) offers a unique opportunity for graduates from non-computing disciplines.

This course provides you with an opportunity to quickly acquire a set of core skills, both commercial and technical, that will enable you to start your own electronic/mobile business, or seek a position in an established company.

Our graduates have secured positions as business analysts, systems analysts, programmers and consultants with a variety of indigenous and multinational companies in fields as diverse as business consultancy, IT, telecommunications, banking, insurance and pharmaceuticals.

You will have the know-how to start your own e-business or seek a position in an established company.

**MSc ISBP - Information Systems for Business Performance (ISBP)**

**ISBP Master of Science** enables students to understand how organisations operate and how the factors affecting their performance can be finely tuned using information systems (IS). In this award winning course, the applied aspects of building, leveraging and managing information systems and technologies rely on both class room and practical computer laboratory interaction where students are taught from beginner level. A balance is struck between the technology management activities and the analysis/development activities that affect IS/IT practices in modern organisations.

On completion of the one year Information Systems for Business Performance MSc, students will be able to:

- Integrate core business and IT skills through the application of theory to practice.
- Leverage industrial partnerships and demonstrate professional practice skills.
- Display skills in applied problem-solving, managing and leveraging IT.
- Critically evaluate issues in IT which are currently impacting organisations.
- Demonstrate group and project management skills.
- Investigate and appraise a range of business issues and create appropriate IT solutions.
- Recognise and evaluate appropriate models for achieving business and IT alignment.
- Design and implement performance and reporting IT solutions.
- Exhibit significant data analysis and decision-making skills.
- Apply and test theory in industry through MSc ISBP industry partnerships.

**Resources**

**UCC Program profile:**

ucc.ie/en/crk18/

**Msc ISBP YouTube:**

https://youtu.be/9ex5ZbXJ8w0

**Msc ISBP Brochure:**


**Highlights**

- ISBP has an excellent reputation for engagement with industry in all its teaching and research activities
- Industry project mentored by IT Managers, CIOs, CEOs, Entrepreneurs... and Vice Presidents (VPs) of SMEs and Multinationals.
- Unique blend of Management and IT skills.
- Virtually 100% Employment Success Rate on Completion.

www.eduglopedia.org
PhD (BUSINESS INFORMATION SYSTEMS)

The PhD (Business Information Systems) is a full-time programme taken over four years (48 months) from the date of first registration for the programme.

The programme contains a number of components that support the student's PhD research and thesis submission. Part I is designed to familiarise students with the research topics, issues and methods underpinning Information Systems research at the PhD level. Part II provides modules designed to assist students in refining the research topics they began developing in Part I, culminating in the presentation and defence of their thesis proposal. Part III focuses on conducting the thesis research and on the writing of the thesis. The primary determinant for the award of PhD (Business Information Systems) is the submission, successful examination and defence of a satisfactory thesis.

On successful completion of this programme, students should be able to:

- Critically discuss both seminal and emerging Information Systems research issues and topics;
- Critically analyse research literature in the Information Systems field in order to identify and articulate gaps in current knowledge;
- Identify and synthesise relevant literature to effectively theorise Information Systems phenomena;
- Select, articulate and justify methodological choices for achieving particular research objectives in the Information Systems field;
- Conduct empirical research through the gathering and analysis of data in a fashion commensurate with the highest international academic standards of methodological rigour and transparency;
- Effectively document and communicate the context, objectives, methodology, findings and implications of original research;
- Make an original and significant contribution to the Information Systems research literature based on empirical research;
- Clearly describe the academic and practical contributions and implications of their research, the limitations of their research, and appropriate directions for future research.

Highlights

- Fully Structured Doctoral programme
- Students undertake a full year of seminar work to develop the research proposal and acquire appropriate research skills
- Open to students from a variety of disciplines (Information Systems, Computer Science, Business/Commerce, Social Sciences)
- No research proposal required as part of application
- Exit option (master's degree) for students successfully completing the taught phase but not completing the thesis
ABOUT

Information systems lectures were introduced by the department in 1979. Management Information Systems options were offered in the Bachelor of Commerce undergraduate degree in 1982. Since then, the department has grown to meet the demands of students and the marketplace and now offers a specialised four-year undergraduate programme in Business Information Systems (BIS), leading to a BSc in Business Information Systems. Our lecturers also continue to lecture on the Bachelor of Commerce (B.Comm.) undergraduate degree programmes, where students can take Business Information Systems courses.

In September 2000, the 2-year full-time MBS in Electronic Commerce was introduced and the Higher Diploma in Systems Analysis was revised to reflect the need for Web development skills, and is now offered in both full-time and part-time modes. In 2009, the Higher Diploma in Systems Analysis was replaced by a new programme, the MSc in Information Systems Management. Also, a new programme, M.Sc. in Finance and Information Systems, in conjunction with the Kemmy Business School UL, was designed to develop, build and enhance students' finance and ICT capabilities. In addition to these taught programmes, the department also offers a MSc in Business Information Systems by research only and suitable candidates can also undertake a Ph.D.

To support these changes, there has been significant investment in hardware and software and associated facilities. There are three computer suites equipped with the latest state-of-the-art multimedia computers, with extensive multi-
media software. Students also have access to the general computing suites throughout the campus. A new €16 million building was completed in 2005, which now houses the J.E. Cairnes School of Business & Economics. This building provides teaching, computing/technology and other support facilities appropriate for the teaching of Business Information Systems in the 21st century.

The department now has 12 full-time members of staff dedicated to Business Information Systems (BIS) research and the teaching of BIS courses. Staff members are active contributors to the Research Publications of the Department of Accountancy & Finance.
PROGRAMS

Bachelor of Business Information Systems

The BSc Business Information Systems programme at the J.E. Cairnes School of Business and Economics is a nationally-recognised university undergraduate degree programme. It is a Bologna-compliant 4-year programme that has been developed within the context of the University and School strategies, to target a niche but strategically important market need.

The programme provides students with a grounding in the fundamentals of business, together with a specific expertise in information systems for business. It has defined Intended Learning Outcomes and is aimed at developing a combination of theoretical knowledge and practical abilities in its students.

The programme has been supported with very significant resource investment, especially in terms of facilities and infrastructure, to the extent that it now has a dedicated supporting infrastructure (pedagogical and physical facilities) that is on a par with, or exceeds, that of most comparable programmes internationally. This infrastructure feeds into the specific pedagogical needs of the programme, which relies heavily on technology.

The programme is delivered by a sufficient and appropriately qualified faculty team, primarily made up of core faculty. A significant proportion of faculty is research active in international terms and research has been specifically integrated into the programme, primarily through the integration of the research theme of Enterprise Agility at all levels of the programme.

The programme places a strong emphasis on international issues and preparing graduates for work in an inherently multinational environment. The international programme elements have been drawn together within the Global Learning Initiative, which includes international work and study opportunities, international Virtual Teams, compulsory study of International Business and international study trips amongst other things. In addition, the faculty team includes a high proportion of members who are either of international origin or who have specific international experience, which enables them to provide an international perspective. The programme has also developed a set of dedicated international academic alliances (primarily with US-based schools) that focus on the specific needs of the BSc BIS programme (these partnerships are not part of the wider School or University networks), and which have been developed to provide multi-dimensional relationships, covering research, teaching, virtual teams and exchange opportunities.

The programme has close links with the corporate world, through the Industry Engagement Initiative, which brings together the different strands of corporate connections. These include work placement for all students; site visits to leading multi-national companies; and membership of SAP and the Microsoft University Alliance providing access to the latest industry software. In addition, the programme has an Industry Advisory Board that ensures that the skills, methodologies and theories taught are consistent with industry needs while the Transferable Skills Initiative involves corporate mentoring, guest lecturing and project facilitation by industry representatives.

Highlights

- Work placement; study abroad

MSc (Information Systems Management)

This programme is designed as a specialist course which assists students in blending their existing talents with the technological skills and business knowledge needed to design, develop, use and manage information systems within modern organisations.

Students gain practical knowledge of business systems analysis and design; project manage-
ment; database design; applications development; business information technologies; Internet and multimedia development; and the business context of IS development and management. Specialised aspects are also covered, such as: human-computer interaction, information systems security, enterprise systems, business analytics and decision support systems, electronic commerce, and IS innovation.

Career Opportunities

Extensive career opportunities exist for graduates of the MSc in Information Systems Management with companies in a variety of sectors, in Ireland and abroad. Employers in Ireland of recent graduates include Accenture, SAP, Google, Hewlett Packard, Version1, Ernst & Young, Bearing Point Consulting, Information Mosaic, Ericsson, Medtronic, Avaya, Metalogic, Paddy Power, Xilinx and Dell Computers.

Highlights

- HPE Award
- Industry Consultation Project
MAYNOOTH UNIVERSITY

Business School
Maynooth University
Rye Hall
Maynooth
Ireland

Contact: Brian Donnellan, Roger Sweetman
Institution website:
www.maynoothuniversity.ie/
EDUglopedia: eduglopedia.org/business-school-maynooth-university

ABOUT

Part of the NUI and formally established as an autonomous university in 1997, Maynooth University traces its origins to the foundation of the Royal College of St. Patrick in 1795, drawing inspiration from a heritage that includes over 200 years of education and scholarship. The University is a place of lively contrasts. It is a modern institution, dynamic, rapidly-growing, research-led and engaged, yet grounded in historic academic strengths and scholarly traditions.

The humanities, social sciences and natural sciences form the academic and intellectual core of the University, complemented by strong departments and programmes in teacher education, computer science and electronic engineering, business and law. Maynooth University has an international reputation for research in humanities; social and spatial sciences; mathematics, communication and computation; and human health. This research connects directly with our teaching, and with wider societal needs through a very successful knowledge transfer office. Maynooth University is very much an engaged university, making significant contributions to social, cultural and economic development at local, regional and national levels.

The School of Business at Maynooth University aims to serve business & society through:

- Providing challenging and engaging undergraduate and postgraduate degree programmes which encourage students and participants to develop critical capabilities that will help shape the work places and practices of the future
- To create new knowledge, products and services that underpin sustainable economic growth
- To partner with practitioners and businesses, not only to ensure that our offerings are relevant, but also so they can develop new insights into ways of improving the performance of organizations and the people who work for them
- To develop socially responsible managers and leaders and ethical businesses
To develop insights which can be shared with businesses, organizations, professionals and society.

We do this by:

- Delivering top-quality degree programmes through a variety of innovative programmes, and sharing these approaches with other providers of higher education.
- Conducting research and publishing it in the most impactful journals in our respective fields.
- Public engagement with businesses and professionals in a variety of fora.
- Promoting the continual professional development of our staff.
This degree includes an opportunity to take a one-year CV-enhancing work placement (subject to availability) which provides valuable experience and increases employment opportunities upon graduation. As well as learning to communicate, analyse and think critically, there are plenty of opportunities to work in and lead teams: all of these are skills which are sought after by employers in the modern workplace. Throughout the programme, students are encouraged to engage with subjects and sectors that they may not have considered before; in doing so they can uncover new future possibilities for themselves. Choose this option if you are interested in:

- a business degree that gives you a broad understanding of business, coupled with opportunities to deepen your knowledge through work placement and specialist options in management and marketing, operations, innovation and entrepreneurship amongst others;
- how businesses motivate, organise and manage people, teams and customers;
- understanding the principles and practices through which business is organised to create and capture financial returns;
- gaining an excellent appreciation of the functional areas that are the engine of a business including: marketing, management, operations and supply chains, information technology, strategy and leadership;
- learning key skills for lifelong work, including how to analyse and think critically about how to solve business problems;
- availing of the opportunity to take a work placement in a multi-national or Irish firm for a year (subject to availability) – providing you with practical business work experience that can enhance your employment skills upon graduation.

IT related modules available to this course include:

**INTRODUCTION TO MANAGEMENT INFORMATION SYSTEMS**

The objective of this course is to present current issues in the management of the information systems resource. This course is centred around the fundamental premise that the primary role of information technology is to provide organisations with strategic advantage by facilitating problem solving, increasing productivity and quality, increasing speed, improving customer service, enhancing communication and collaboration, and enabling business process restructuring. Rather than focusing on the technology itself, the emphasis is placed on the innovative uses of information technologies. In addition, the course will expose participants to debates on current issues in business information management and to create an awareness of the usefulness and limitations of information systems in organisations.

**SOCIAL MEDIA**

In a digitally connected world, it is becoming increasingly important that social media and social networking skills are integrated into our business and marketing programmes. Social media has grown to be one of the primary communication channels on the internet. It has also become an essential component to many organisations in their digital marketing strategies.

This module addresses the many issues surrounding this phenomenon, and provides a high level overview to help individuals and firms navigate social media to gain a competitive edge. As well as covering the theoretical underpinnings of social media and its relationship to business objectives, it also requires students to undertake a practical examination of how to make use of social media for the purposes of information gathering, the maintenance of business contacts, market design, and decision-making. This module enables course partici-
pants to harness the power of social media as a core driver of the marketing strategy for their organisation. The module introduces you to the concept of engaging with, and acquiring customers using the creation and sharing of media content. On completion of this module, the learner will understand the value of social amplification and what makes content shareable within social networks.

This module equips the student with the knowledge and skills to target your audience, select your platform and make use of social listening and competitor analysis and to successfully resource a content management function. Finally, the module seeks to provide students with a set of tools to gauge social media practices and performance. In part, the module will develop a theoretical awareness of the different values of specific social media within a polymedia environment.

GLOBAL IT BUSINESS INTELLIGENCE

The internet revolution has brought to life a new ecology of networked digital media, radically changing the way we work, play, and communicate. Businesses worldwide face a fundamental change in the ways that consumers interact with brands and each other. As the speed of communication increases, business must have the capacity to respond rapidly to changes in the environment. Social media has helped give consumers a voice, connect them with their friends and other like-minded consumers, and has given them considerable power over marketers and brands. Technologies such as cloud-based storage systems and VOIP systems and on-line collaboration systems have enabled Globally Distributed teams to work together more effectively.

This course focuses on two particular aspects of IT-Enabled International Business Communication:

(a) how business has (and has not) changed due to the rise of social media. It will equip students with the relevant knowledge, perspectives, and practical skills required to develop marketing strategies that leverage the opportunities inherent in social media and consumer-to-consumer social interactions for achieving business and marketing goals. The emphasis of this course is on the various social media channels available to marketers, how to build social marketing strategies, and how to track their effectiveness. Also, since social media is heavily technology-driven we will cover relevant related aspects in digital marketing more broadly, as well as emerging topics in electronic commerce, mobile marketing, and social media startups.

(b) how students can become equipped to be more effective in Globally Distributed teams both personally and professionally, in a range of multimodal environments. As well as covering the underlying information technology, this course explores techniques for building, leading, managing, and motivating teams that reside in multiple locations. The course addresses methods to overcome the challenges of leading a virtual team with members in various geographical locations, including satellite and global offices and telecommuters. Concepts covered include virtual team structure, knowledge sharing, and knowledge management systems in a virtual, distributed team.

MANAGING INFORMATION TECHNOLOGY FOR BUSINESS

The aim of this course is to show that the effective use of modern Information Systems (IS) in Business depends on understanding the relationship between the system and its context. The difference between success and failure depends on managing the elements of that context as a whole, not just the technological aspects. An 'interaction model' will be introduced that will drive the agenda of the course – exploring the nature and roles of stakeholders, outcomes, implementation and learning, and internal and external contexts.

Highlights

- Work placement
- Industry collaboration
- Flexible curriculum

MSc IT - ENABLED INNOVATION

MSc IT Enabled Innovation

This course has been nominated for the 2018 Post Graduate Course of the Year award in both the Business, Finance and Management category and the Design and Innovation Category.

This Masters programme exposes students to the leading edge tool for assessing and manag-
ing IT, the IT-CMF. This is the world’s most comprehensive IT Management framework and has been developed through years of research with leading global companies. This course differs from many other IT programmes because of its leading edge industry inputs and also because it sets IT Management in the context of the business environment. This is not a programme to develop stand-alone technical IT specialists. This course develops the capacity for participants to understand how IT operates both as a function and as a key interrelated resource within an organisational context. This involves understanding people, work processes, relationships, organisation structures, organisation strategies, and how all of these impact on and are impacted by Information Technology. Modules include:

**Digital Business**

The management of technology has become an increasingly important activity in organisations in recent years. Information technology has moved beyond the implementation of functional applications to playing a crucial role across all business activities and levels within the organisation. This ubiquitous nature of information technology means that individual successful instances of IT are not enough to guarantee the achievement of organisational goals. Instead, organisations must integrate a number of rapidly changing technologies with overall strategic goals. This has huge implications for the organisation, as the annual global spend on IT is expected to exceed 2.4 trillion dollars in 2017. Managers need to understand how IT is managed within the organisation, how IT can influence innovation, how organisations respond to disruptive technologies and the changing ways in which innovation occurs within and outside the organisation.

The focus of the module is on the importance of IT-enabled change within the organisation and realizing competitive advantage from the IT portfolio. Many of the ideas are broadly applicable irrespective of context.

**IT Governance, Performance and Risk**

There is a need to look beyond current IT Leadership and Governance capabilities to develop an enterprise view of IT governance, by creating a “business lens” through which to enable effective oversight of IT across the organisation. The opportunities presented by new technological and digital possibilities, for example with regard to customer data, also increase risk and exposure to an organisation. This module will address these issues. The programme is designed for graduates who will not be familiar with foundational material in this subject area. A fundamental objective of the programme is to develop participant’s general understanding of the material and to move beyond to: a) explore advanced content and b) to understand the process and practice of applying their knowledge in specific contexts.

**IT Skills & Capabilities: Digital Enablement**

The information, systems and technology owned or available to the firm are an increasingly important set of resources—often referred to as the IT infrastructure—but in the context of IS management the critical resources are the knowledge and skills residing in employees or the employees of third-party vendors. This course will look at what it means to be a ‘Digital’ organization; what this means in terms of the existing IT function within an organization, and the changing relationship the IT function now has with the rest of the organization. The programme is designed for graduates who may not be familiar with foundational material in this subject area. A fundamental objective of the programme is to develop participant’s general understanding of the material and to move beyond to: a) explore advanced content and b) to understand the process and practice of applying their knowledge in specific contexts.

**Contemporary Issues in IT**

The objective of this course is to familiarise students with contemporary issues in Information Technology-Enabled Innovation. Topics will be drawn from strategically important emerging technologies and may include topics such as Artificial Intelligence, Business Analytics, Machine Learning, Deep Learning, Blockchain, Internet-Of-Things, Big Data, Cloud Computing, Sustainability, and/or other emerging topics. This module is designed for graduates who will not be familiar with foundational material regarding emerging technologies. A fundamental objective of the programme is to develop participant’s general understanding of the material and to move beyond to: a) explore advanced content and b) to understand the
process and practice of applying their knowledge in specific contexts.

**Strategic Management**

This course focuses on a series of guiding principles that underpin strategic management decisions in a wide range of organisational settings, be that in the private, public or voluntary sectors. Principles and tools will be explored that offer insights into key strategy themes such as business modelling, management of stakeholders, the boundaries of the firm, behavioural aspects of strategy, creating and sustaining value in a corporate portfolio and strategic choices between growth options and methods (for example acquisitions versus alliances). The purpose of this module is to expose students to principles that are of fundamental importance in formulating strategies that create value (be that economic or social value). The concepts, tools and techniques that are reviewed in this course are brought to practical life through a series of case studies.

**Career Planning and Development**

This module is designed to enhance students’ appreciation and application of Career Planning and Development (CPD) activities. The module guides students to direct and elevate their personal CPD through active, formative and reflective learning organised around four themes. These themes stem from competencies central to career development namely ‘I am Ambitious’, ‘I am a Citizen’, ‘I am Resilient’ and ‘I am Agile’. Students identify and undertake a range of CPD activities under each theme that target their personal CPD priorities. These activities are pursued outside of lecture hours and will be approved by the module lecturer who provides feedback on initial reflective learning logs. The module also covers HRM practices specifically those relating to career management including employer branding, recruitment, talent development, total reward and negotiations. Upon completion of the module students submit a reflective learning CPD portfolio which documents their competence progression and their learnings regarding their future career aspirations and plan.

**Actionable Insights Through Research**

Decision makers in organisations often have a need for information that goes beyond their own and their teams’ expertise and experience. This may be the case in novel situations or when complex phenomena occur. For example, what causes problem X and how can we address it effectively? In such decision situations, managers often rely on insights from business research to better comprehend phenomena or to test different ideas or suggestion.

The purpose of this module is to foster an understanding of how research feeds into the decision making process in organizations (i.e., through actionable insights) and to prepare you to carry out independent research. We will discuss how to transform a decision problem into a question that can guide research. We will learn how to develop theoretical models of how the world ought to work with the goal of informing our research question. Furthermore, students will learn how to test their predictions (i.e., models) against empirical data. Throughout this module, students will begin developing relevant practical skills, such as undertaking a literature review, research design, data collection and analysis of data.

The practical relevance of business research to managers will be highlighted throughout the Actionable Insights Through Research module. Industry speakers will talk about different stages in their decision making process (e.g., problem recognition) and how these translate into actionable research (e.g., business research questions). This will illustrate the link between different needs of decision makers and the implementation of business research. For some students, Actionable Insights Through Research is also the beginning of your Business Research Project. The module is experiential in design. Time in class will include some lectures and discussion, accompanied by exercises that lead to the development of essential research skills.

**Placement Project**

This module aims to offer students the opportunity to integrate their academic study with coordinated realistic jobs. Placement seeks to bring the concepts, tools and competencies developed on the Master program into the realities of work placed implementation. Students develop an understanding of the professional and practical competencies and skills required by the world of industry, and translate the conceptual insights of the theoretical modules into a set of actions.
Students learn how to apply their knowledge from the program and gain new insights into the practicalities of work life. This learning is supported by taught classes, in-group discussions and exercises which are designed to promote students’ self-reflection on the relationships between theories, competencies central to career development and work experience. Students are encouraged to critically elaborate on the competencies gained at work, and on how to improve, reshape and prioritise their career management strategies accordingly.

Upon completion of the module students submit a reflective work placement learning report and a project. The report details the work activities performed and the technical competencies acquired during placement as well as placement contribution to professional continuous development and future career plans. The project documents students’ capability to bridge theoretical knowledge and practical competencies, by critically reflecting on dynamics experienced at work and on the actions taken to deal with them. Students are also required to give in-class presentations tackling crucial aspects of work-related dynamics.

Highlights

- Working closely with industry experts
- Exposure to IT capability maturity framework
- Transdisciplinary modules
- Research Project
- Placement Option
DISTRIBUTION OF PROGRAM TYPES

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
LUISS GUIDO CARLI UNIVERSITY

Business and Management
LUISS Guido Carli University
viale Romania 34
00197 Roma
Italy

Contact: Paolo Spagnoletti, Andrea Prencipe
Institution website: www.luiss.edu

ABOUT

Founded in 1966 LUISS is a private Italian university specialised in the social sciences and strongly committed to conduct academic research and educate talented individuals. The affiliation with Confindustria offers unique research opportunities for LUISS researchers and business practitioners as well as provides LUISS students with solid career opportunities. Located in the hearth of Rome, the eternal city, LUISS holds partnering relationships for training as well as research purposes with universities around the globe. LUISS is composed of four Departments and four Schools covering the areas of Economics and Finance, Management, Law, and Political Science. In October 2015, the Business School and the Department of Business and Management have received the prestigious EQUIS international accreditation for all programmes delivered from the BA to the PhD.

Faculty is actively engaged in both theoretical and applied research in a variety of areas of business and management including information systems (IS). Since 1998, LUISS researchers have achieved international standing in IS education – including teaching and research – through its Research Centre on Information Systems (CeRSI). CeRSI represents Italy in the ERCIS network and has contributed to the birth and to the growth of the itAIS (www.itais.org), the Italian Chapter of the AIS (www.aisnet.org). CeRSI plays an important role in the promotion and coordination of the Italian IS academic and scientific community. Teaching and research activities in the IS field at LUISS are also run in connection with the Organization and Innova-

www.eduglopedia.org
tion group, with the Project Organizing Competence Centre, and with the Digital Lab, whose members have published in international top journals including JIT, JSIS, I&M and CAIS.
PROGRAMS

Bachelor of Management and Computer Science

Graduates of Digitalization and subsequent development in the fields of artificial intelligence, robotics, applications and IT infrastructures represent an important change that permeates all other fields. Both large and small companies, public administration, government institutions and professionals are interested in producing and using data for a variety of purposes, from improving production processes to defining new models to generate value. Digital transformation thus challenges us to rethink traditional managerial logic and use evidence-based approaches. It requires a new leading class to embrace the opportunities offered by new technologies and the market to create organizational change and to guarantee a control of business for new institutional assets. The bachelor’s degree program in Management and Computer Science stands out from other courses offered by LUISS University in Economics, Business and Finance for the significant presence of technical and engineering topics, focused on computing and business analytics. These skills are also integrated with traditional foundation courses in Economics, Business Management, Law and Statistics.

The core of the program focuses on collecting, processing and analyzing data in order to generate new knowledge to improve processes for large and small companies as well as for startups. To develop these skills, students are given solid preparation on algorithms and coding starting in their first year, as well as database management and advanced analysis techniques. In their third year, students focus on data science applications such as cybersecurity, innovation and entrepreneurship.

The program is designed for high school graduates interested in engineering-based programs (electronics, information technology, management), statistics, mathematics and computer science. The course prepares students for roles as data scientists or to go on to master’s programs in Marketing, Operations and Finance.

The program is offered entirely in English and the university is currently developing exchange programs with several foreign universities. Through these partnerships, participants will be able to spend their final year abroad, creating a multicultural experience thanks also in part to the presence of foreign instructors and students.

The bachelor’s degree program in Management and Computer Science combines economics, management and law courses – essential to critically analyze and understand the context companies and institutions operate in – with a strong focus on quantitative methods, in particular statistics, information technology and information processing.

Highlights

- Solid ground for evidence-based management
- Exchange opportunities with leading Universities in Europe and abroad
- Interdisciplinary approach to tackle legal, social, ethical, business and entrepreneurial issues of digital innovation
- Strong focus on algorithms and quantitative methods for data analysis
- LUISS privileged relationship with the business world
INTERNATIONAL TELEMATIC UNIVERSITY UNINETTUNO

Faculty of Economics
International Telematic University Uninettuno
corso Vittorio Emanuele II n. 39
00186 Rome
Italy

Contact: Marco De Marco
Institution website:
www.uninettunouniversity.net
EDUglopedia: eduglopedia.org/faculty-of-economics-international-telematic-university-uninettuno

ABOUT

The International Telematic University UNINETTUNO was established by the Decree 15th April 2005 of the Italian Ministry of Education, University and Research. UNINETTUNO awards academic titles consistent with the Bologna Process framework. It offers bachelor degrees, specialisation degrees (master), and master's degrees. Academic staff is composed by lecturers from national and international universities. UNINETTUNO delivers courses through Internet-based digital technologies in Italian, Arabic, English and French.
PROGRAMS

Bachelor of Economics and Business Management

The Bachelor of Economics and Business Management is divided in four main curricula, two in Italian, and two in English:

- Economics and Corporate Governance (Italian);
- Culture, Tourism, Territory and Corporate Value (Italian);
- Business Management (English);
- Financial Management (English).

The first and the third curricula allow students to: develop skills in the field of business administration and management; understand the business functions and processes (i.e. resource management, sales and after-sales services, marketing, and business communication); improve problem-solving skills.

The second curricula provide students with the basic understanding of the tourism management in both national and international perspectives.

The fourth path provides students with the necessary skills for business management and administration, focusing on the functioning of financial markets.

Highlights
- Bachelor of Business Management
- Bachelor of Financial Management
- Bachelor of Economics and Corporate Governance
- Bachelor in Culture, Tourism, Territory and Corporate Value

MSC in Management and Digital Technologies

The Master of Science (MSc) in Management and Digital Technologies has been designed by the International Telematic University UNINETTUNO in order to train high-level professionals able to use the tools offered by the digital technologies in the field of business management. In an increasingly globalised and competitive markets organisations need new professionals able to use digital technologies in order to improve efficiency, effectiveness of the organizational performance and competitiveness of the company.

The MSc in Management and Digital Technologies is aimed to train specialists in the business management, as well as specialists operating in companies’ part of the Information and Communication Technologies (ICT) sector, and consultants in the field of business economics and new technologies.

The programme develops highly qualified professionals with an high-level of managerial and technological skills, and wide understanding of economic and legal aspects of innovation related to the ICT. The graduates will be able to work in highly competitive environments in private and public companies, where digital technologies are a strategic factor in terms of competitiveness.

Highlights
- Business Management and Digital Technologies
UNIVERSITA’ DEGLI STUDI DELLA TUSCIA

Dipartimento di Economia Ingegneria Società e Impresa
Università degli Studi della Tuscia
Via del Paradiso 47
01100 Viterbo
Italy

Contact: Alessio Maria Braccini, Alessandro Ruggieri
Institution website: www.unitus.it

ABOUT

Established in 1979, the University of Tuscia is a medium sized university located in the North of the Lazio region. The University has approximately 700 employees, equally divided between faculty and administrative staff members, and about 12.000 students enrolled. The University is ranked 18th among the 61 Italian universities (12th for research, 2nd for students’ satisfaction).

The Department of Economics and Entrepreneurship (Dipartimento di Economia e Impresa, DEIm) is one amongst the six departments of the University.

The DEIm is an interdisciplinary department composed by 49 faculty members spanning over the domains of management, and industrial engineering. The Department has active research cooperations and participates to several national and EU funded research projects.

The department offers three bachelor courses (economics, political science, and engineering), and three master courses (marketing and quality, administration finance and control, and engineering). Courses are designed in close contacts with entrepreneurs, and students are engaged in project work activities during classes, working on designing solutions to real life problems.

www.eduglopedia.org
PROGRAMS

Economics Management and Quantitative Methods

The PhD course offers is an interdisciplinary high education programme crossing the disciplines of economics, management, and statistics. The PhD course aims at training a profile which can research and study the challenges of nowadays business organizations following the approach of data evidence management. The PhD course exploits the knowledge assets of the faculty members of the DEIm department and offers students the choice among 3 curricula:

- Economics and policies of the agri-food industry;
- Circular, sharing, and cooperative economy;
- Digital transformation in SMEs.

The three curricula have a common interdisciplinary education program on economic and managerial theories, and on the common - but not exclusive - method for data analysis and for the interpretation of phenomena.

The PhD course trains a highly specialized profile which would fit with the roles of managerial data analysts, or manager in functions like production, marketing, quality, and sales. Alternatively the profiles trained by the course could occupy the role of researchers in research institutions or universities.

Marketing and Quality

The program is a management program which – unique in Italy – combines the topics of marketing and quality management in a single master program. The aim of the course is to provide students with tools and knowledge to face business problems in an integrated and innovative way, combining both managerial controlling techniques, change management, marketing, and digital innovation.

The philosophy of the program is based on the centrality of the customer as a driver for the success of organizational strategies, and on the role of innovation, marketing, and quality management as strategic drivers for competition on markets. Marketing e Qualità is an interdisciplinary program that help students develop competences of digital innovation and transformation, customer satisfaction, data and evidence-based management, and quality control and management techniques.

The program is organized to exploit innovative didactic methods. Students are engaged in class in the analysis of case studies, and work in groups on project works, addressing and developing solutions to company ideas. In three courses from the program (International Marketing, Management of Information System, and Customer Relationship Management) students will work through a whole semester on an interdisciplinary project touching the domains of the different courses together with a company which will evaluate, together with professors, the quality and relevance of the work done.

Highlights

- First course to combine marketing and quality
- Interdisciplinary and project based activities
- In-company semester
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:
RIGA TECHNICAL UNIVERSITY

Institute of Applied Computer Systems
Riga Technical University
1 Kalku Street
LV-1658 Riga
Latvia

About

Riga Technical University (RTU) is the first technical university in the Baltic countries. The RTU research program covers a broad spectrum of research conducted in natural sciences and various fields of engineering and technology. Riga Technical University is an accredited internationally recognized European university that consists of 9 faculties, 33 institutes, 103 departments and divisions. Institute of Applied Computer Systems belongs to the Faculty of Computer Science and Information Technology, which runs about 20 study programs in the field of ICT. Business Informatics currently is the only program registered in EDUglopedia. However, information about other programs is available at the Riga Technical University website.
The aim of the Business Informatics study programme is to coach professionals who master systems thinking and engineering sciences; who are able to use, choose, develop, and acquire ICT solutions that enable enterprise development; who can design intra- and inter-organizational information systems; and are capable of participating in corresponding interdisciplinary and international projects.

Programme graduates will be able to:

- Model and analyze business processes, enterprise architecture, and information architecture.
- Apply business analytics.
- Assess, suggest, acquire and use advanced ICT solutions.
- Align business strategies and the newest developments in ICT.
- Develop enterprise ICT improvement programs; plan, manage, and lead change management projects.
- Follow and promote scientific and industrial development of innovative ICT solutions.
- Motivate and train employees to use the most appropriate ICT solutions.
- Lead inter-disciplinary teams and international projects.

Follow the rules of ethics in business and information systems development.

Highlights

- Academic master studies
- 120 ECTS
- Master's degree of Engineering Sciences in Business Informatics
- 2 years full-time studies
- Studies in evenings
LIECHTENSTEIN

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

[www.eduglopedia.org](http://www.eduglopedia.org)
ABOUT

Liechtenstein is a prosperous economic area in the heart of Europe. The microstate is home to people from over 100 nationalities, and the country has one of the highest gross domestic products per capita worldwide. It has a diversified economy focusing on both product and service innovation. You will find headquarters from world leading international companies as well as a lively scene of start-up companies (see: www.liechtenstein.li).

The University of Liechtenstein is a state university according to Swiss standards. With over 50 years of tradition, the institution has established excellent relations to industry. The IS department is home to more than 20 IS researchers including 3 full professors, 5 assistant professors, 1 senior lecturer, and renowned international visiting staff. Members of the institute have published in international top journals including MISQ, ISR, JAIS, JIT, and JMIS (see: www.uni.li/is).
PROGRAMS

Bachelor of Business Administration / Major in Information Management and IT

The specialization Information Management and Information Technology (IMIT) is one of three focus areas within the bachelor program “Business Administration”. It enables students to develop expertise on innovative topics in Information Systems. As part of this specialization, students acquire competences with respect to (1) improvements of business processes (2) innovative technologies and their market potentials (3) business models in e-commerce (4) forms of support that can be provided to companies by means of information technology, and (5) solutions that can add value to information systems. Students who complete this major are qualified for professional careers in various fields and industries. Examples are project manager or head of department in industrial or service companies as well as in the banking sector and in public administration, and in IT and management consulting.

Highlights
- small and interactive groups
- attractive tuition fees
- international team of lecturers

Master of Information Systems

The Master’s degree programme in Information Systems at the University of Liechtenstein equips students with subject and method knowledge at the interface of computer science and business administration in a course of study that strongly promotes their personal development. The programme directly addresses the requirements of industry while at the same time providing a sound scientific education. Students also develop leadership and social skills in project seminars conducted with representatives of major companies. They can choose among various electives so they can specialise in any of three subject areas: Business Process Management, Data and Application Security, and Data Science. The programme offers attractive tuition fees, rigorous scientific training, and excellent career opportunities. Almost all modules take place in block events from Thursday to Saturday, leaving students time to tend to their professional career.

Highlights
- high practical relevance
- strong research orientation
- personal support
- international focus
- flexible organisation
- guided learning

PhD in Business Economics / Focus on Information and Process Management

Liechtenstein with its highly advanced, globally networked and diversified economy, its spatial innovations and unsurpassed natural beauty is a wonderfully rich setting for doctoral studies. The small but well connected university performs its research in areas that are not only relevant to Liechtenstein and the region, but also globally. Research projects are frequently carried out with other universities, government institutions, industry and corporate partners, adding to the excellent teaching and research conditions at the university. Doctoral degree programmes at the University of Liechtenstein enable the academic handling of topics that are of special local and regional significance, and those that carry great relevance in an international context. The structured study programme is embedded in the university's research focal points. The course is embedded in a high level of multidisciplinary discourse involving advanced researchers. It is set in a very personal study and research environment, with close and frequent interaction between the doctoral students and their professors and advisors. Students from around the world with a passion for research embark on an exciting course of study at our Graduate School. The close-knit community provides ideal prerequisites for studying and researching in small groups.
Highlights

- academic handling of topics
- international context
- multidisciplinary courses
- personal study and research environment
NORTH MACEDONIA

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

The Faculty of Contemporary Sciences and Technologies represents the centre of excellence in the modern sense of information technology in teaching and research.

This is accomplished by establishing links with a high level support by qualitative staff and infrastructure. By establishing links with other centres and institutions in Europe and US, the Faculty offers first and second cycle study programmes, accredited and internationally recognized, joint second cycle regional programmes, and research in the third cycle.

The Faculty of Contemporary Sciences and Technologies offers a unique program that brings the concepts of IT in another field of study, such as computer science, computer engineering, and business informatics, as useful opportunities for the career of graduates.
PROGRAMS

Business Informatics

The three-year curricula (Bachelor of Science) in Business Informatics merges the best from the business environment and technological perspectives that overall reflect the contemporary industry growth and at the same time prepares students for leadership positions in organizations throughout the world. The market for such skills already experiences rapid expansion in the same way the society and economy of this country are moving towards the European Union standards and globalization in general.

The structure of the three-year curriculum contains studies which are dynamic, integrative and interactive by nature. These studies are expected to generate highly professional results adjusted for the needs of the labour market, at the same time serving as a solid background for further studies at the post-graduate level.

The Business Informatics curriculum is designed to address the specific needs and market trends that meet the current and future need of the labour market for certain areas of corporate development in the field of information system management and control, as well as their development. The curriculum also involves the portal development, multimedia technologies and projects, IT applications for new businesses, data bases, string value network, e-commerce, interactive marketing, Customer Relations Management (CRM), business convergence and virtual business, corporative finances and accounting.

The undergraduate studies in Business Informatics provides students with a thorough understanding and knowledge from the field of Business and Computer Sciences, while directing them towards certain areas that will be further specialized in the second study cycle. The three-year curriculum will provide students with opportunities for internship, which will equip them to apply the acquired knowledge and skills in the field of Business Informatics.

The University currently possesses a remarkable IT – infrastructure for the realization of the suggested curriculum in the field of Business Informatics, with computer laboratories, Internet connection and the option of Distance Learning, as well as a library with online resources available for searching.

The curriculum structure aims for a balanced combination of the basic knowledge and specific professional skills. The first year is important for students as it merges a whole range of interdisciplinary courses with practical implementation in the two fields, Business and Informatics. This will be of considerable benefit for their professional unity.

Programme Objectives

- To provide students with independent research, addressing the areas of Business Informatics that were not addressed within the curriculum;
- To develop skills for critical, analytical and functional approach, comparative skills for problem solving that may be applied in the fields of Business Informatics;
- To provide an opportunity for development of personal skills, communication, research and other important skills necessary for employment;
- To offer an opportunity for the introduction and acquisition of first working experiences in a real working environment from the field of studies through practical work and internship;
- To emphasize multilingual instruction and promote multiethnic and cross-cultural dialog;

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• To acquire knowledge and skills from the basic disciplines of Business Informatics: Programming, Databases, Computer Networks, Advanced Web Technologies, Corporate Finances, Management, Marketing and their implementation in related fields.

Highlights

• Cooperation with industry
• Focus on practical work
• Modern Infrastructure

Computer Science

The Computer Sciences programme is based upon the adopted Bologna model of study organization 3+2. It is designed to meet the requirements of the local market, yet provide a modern and global perspective.

The programme objectives are:

• to provide students with opportunities to acquire wider communicational, lingual and analytical skills;
• to provide students with opportunities to acquire theoretical and practical knowledge in the field of Computer Sciences, as well as to apply that knowledge in real life and their professional practice;
• to equip students for joining the development and implementation of different software solutions;
• to equip students with the required skills for working on projects, individual or group, that may be scientific research, developmental or practical work;
• to provide students with good background for further adaptation to the new technological/market changes and their application;
• to provide students with support skills for organizing, realizing and implementing methods and procedures in other fields.

Information and Communication Technologies - Computer Engineering

The Computer Engineering programme is based on the adopted Bologna model of study organization 3+2. Specific fields at the Faculty of Contemporary Sciences and Technologies for the Information and Communication Technologies program (Computer Engineering): Computer hardware and System software, Embedded computer systems, their design and programming, Basic Concepts of Computer Engineering, Fundamentals of Electrical Engineering and Electronics, Automatic Control Systems and Real-time Systems, Computer Networks, Wireline and Wireless Computer Networks, Grid Computing and Distributed Computing Systems, Multimedia and Multimedia Systems, Data Transfer and Telecommunication Systems, Data Bases, Information Systems and their design etc. These disciplines possess great potential for raising the quality of the education.

The restructuring of the lectures is designed in order to meet the requirements of the local market (through analyzing the requirements of the IT companies and organizations in the RM), while providing a modern and global perspective.

Programme Objectives

• To enable students to gain a wider communication, language and analytical skills.
• To enable students to acquire theoretical and practical knowledge of information and communication technologies, and to apply them in real life and their professional practice.
• To empower students to engage in the development and implementation of various solutions in information and communication technologies.
• To enable students to work on projects, individual or group that by nature, may be scientific-research, development and practical work.
• To provide a good basis for further adaptation to new technology/market changes and their implications.
• To provide skills to support the organization, realization and implementation of methods and procedures in other areas.

Highlight

• Modern infrastructure
• On campus internship (Technology Park)
• State of the art curricula
• Diverse community
THE NETHERLANDS

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Modern business organizations become more and more dependent on their information systems to deal with the complexity and changeability of the context (markets) in which they operate and consequently their internal organization structures. Up-to-date, complete and accurate information has become a necessity to survive in an increasingly competitive world. Developments like dynamic cooperation networks, mass customization of products and services, and end-to-end process control require automated means to control operational business processes, for the simple reason that humans cannot oversee the entire operation in an efficient and effective way anymore. Consequently, business requirements to information systems increase at a dazzling pace.

On the other hand, the rapid developments in information technology give way to application types that simply were not feasible just a few years ago. These developments range from basic computing technology via communication technology and a broad spectrum of data and process management technology to complete frameworks for enterprise information systems and e-business systems. Consequently, technology push forces have a major influence on current developments. The Information Systems Subdepartment focuses on systems to (re)design and support operational business
processes in this tension field between business requirements pull and technology push.

**Mission of the IS Group**

To research and teach design, analysis, and use of advanced information systems for (re)design and support of operational business processes, both within the boundaries of a single organization and across these boundaries in the context of business service networks and industrial supply chains,

- aiming at a balance between theoretical foundation and practical application,

- harmonizing the demand pull and technology push developments in the field, and

- taking business process management and business process intelligence as focal research areas, and healthcare and smart mobility as focal application areas.
Many of the compulsory courses are in the field of computer science and information systems. In the compulsory courses in the field of industrial engineering and management sciences however, the emphasis lies in logistics and operational management.

Highlights
- Business Process Management
- Business Intelligence and Analytics
- ICT Services
- ICT in Healthcare

Innovation Management / Focus on Information Systems

Innovation is essential for the competitive position of companies. Through the development of desirable new products and services, innovation helps to win new customers and strengthens the loyalty of existing ones. Through the courage and perseverance of entrepreneurs, start-ups help address customer needs in entirely new ways. However, many new products and businesses fail or do not deliver the expected results because the competitive environment is dynamic and unstructured, which magnifies wrong managerial choices. The Innovation Management discipline studies the management of innovation processes and contains quantitative and qualitative theories, tools and techniques to make businesses and entrepreneurs more innovative as well as more successful in their innovation activities. Key aspects of the Innovation Management discipline are new product development, strategic marketing, sales and after-sales service management, business intelligence, open innovation, and entrepreneurship. The object of the studies is the new product and business development process. This includes the processes to cooperate with a diverse set of stakeholders and share knowledge with them.

The Master Innovation Management (MSc IM) is a two-year, 120 ECTS program, that sequels the bachelor’s program Industrial Engineering. The MSc IM program is theory-driven and multidisciplinary, with a project-focus on the firm’s innovation process. It conveys scientific theories, tools and techniques to manage and improve innovations both within and across companies. You will learn how to apply the gathered
knowledge in industrial applications. In other words, you will analyze the current innovative performance of a company, explain it in terms of quality, cost and time, and potentially improve this performance by re-engineering innovation processes. You will experience what it means to carry out research yourself, to gain new insights and to apply the acquired knowledge in many projects. This requires combining multi-disciplinary theoretical frameworks with quantitative (i.e., mathematical/statistical) or qualitative (i.e., interview/text-based) methodologies. The MSc IM program makes use of highly interactive lectures, assignments and group work, and the topics are related to state-of-the-art research of the school's professors.

**Operations Management and Logistics / Focus on Information Systems**

Operations form the base of every organization, whether in manufacturing, service or non-profit industries. Operations Management and Logistics (OML) is a multidisciplinary field that addresses the efficiency and effectiveness of the operations of an organization. OML comprises disciplines such as product development, quality management, logistics, information systems, and human resource management. Operations extend from the performance management of a group of design engineers or building in quality-feedback loops to the precise prediction of production and delivery performance. Supply chain management and the design of information architectures for e-business are also part of operations management.

The key feature of the program is that it takes the interest of students central in terms of choice flexibility. The program offers the students five tracks (plus a special/free track) that consist of courses that belong together and master thesis subjects for which those courses are relevant: 1) Healthcare, 2) Capital Goods, 3) Consumer Goods, 4) Service Operations, and 5) Transportation. While the program still remains as one OML MSc program, the tracks are there to guide the students from the beginning in order to help them choose the most relevant courses for their master's projects.

**Highlights**

- Information Systems
- Healthcare Information Systems
- Business Process Intelligence
- Business Process Management

**PhD in Industrial Engineering / Focus on Information Systems**

The PhD Program in Industrial Engineering is offered by the School of Industrial Engineering at TU/e, one of the two schools in the Department of Industrial Engineering and Innovation Sciences. PhD students in the program perform their PhD projects in one of the four research groups in the school: Information Systems; Operations Planning, Accounting and Control; Innovation, Technology Entrepreneurship and Marketing, and Human Performance Management. Some projects are performed in a collaboration between two or more of these groups.
ABOUT

FEB's mission

The mission of the Faculty of Economics and Business is:

• to prepare students for a leading position in the corporate or public sector or a research career through top rated research-driven degree programmes in the fields of business and economics;

• to contribute to the advancement of knowledge in these fields by conducting highly-ranked research;

• to interact with local and global partners in society and the corporate world in order to connect research and education with real-world issues and challenges.

FEB's vision

We aspire to be recognised as one of the renowned European research-oriented schools for business and economics and to be a strong partner for our corporate and public sector stakeholders and the academic community.

FEB's values and strengths

We are an international university-based faculty, located in the north of the Netherlands. We embrace the University of Groningen's values of passion and performance. We strive for excellence in a setting of academic freedom and professional integrity while emphasising socially and ethically responsible behaviour.

To accomplish our mission, we benefit from the following strengths:

• our research driven educational programmes, ranging from bachelor to PhD level, receive top ratings in national and international student surveys;
• our research is world class according to influential global rankings;

• our impact on society is strong through our highly employable graduates and accessible centres of applied research;

• our active student body, passionate faculty, and global partner network contribute to an outstanding learning experience and an excellent preparation for the labour market;

• the University of Groningen, a top 100-institution according to the major world rankings, is an attractive employer located in a vibrant university town.
Responding to the ever-changing market and new developments is essential for the survival of today's organizations. In the past, change management was a subject only addressed incidentally: once a business had gone through a process of change, it was time for a period of consolidation. Nowadays, change is a crucial and permanent topic for organizations. This creates a need for change experts. They know how to design and how to manage change processes that simultaneously take place in areas such as business processes, information technology, strategy, leadership style and human resource management. In the MSc Business Administration - specialization Change Management, you will gain an understanding of the processes behind change and the impact that changes may have on an organization and its members. You will learn what role change managers can play. More specifically, you will get an insight in different strategies that have been developed, including intervention tools that are helpful for enacting those strategies. You will also acquire the communicative and social skills needed to manage change programmes at individual, group and organization levels.

Highlights

- The MSc. BA Change Management is a program that acknowledges the complexity of organizational change as a dynamic interplay of organizational, technological, cultural, and human factors.
- The MSc. BA Change Management is a program that reflects diversity in paradigms, theories, and approaches that characterizes the international scientific and professional field of organizational change.
- The MSc. BA Change Management is a program that helps students to develop practical change professionalism through critical, academic thinking and research based knowledge.
- The MSc. BA Change Management is a program that offers a diverse and challenging environment in which students actively and responsibly co-create their learning experience.
- The MSc. BA Change Management is a program that offers a lively learning community of dedicated students, staff, and expert practitioners that prepares students for a career in a globalizing world.
ABOUT

The Open University of the Netherlands offers courses, bachelor and master programmes in Dutch. Only a limited number of courses is offered in English. Studying at the Open University of the Netherlands allows professionals to sharpen their skills. In fact, many of its students already have degrees and take one or more courses to acquire additional know-how or to retrain for a different occupation.

Students enrolled at the Open University of the Netherlands are following one of the university's courses or fully accredited Bachelor or Master degree programmes. About 60% of these students remain in paid employment throughout their studies, and nearly 35% have enrolled because it leaves them free to choose their own time and place of study and lets them progress at their own pace.

Study programmes

Courses

Besides academic programmes, students can choose from nearly 300 modular courses. This modular course system implies that student can enrol either for full-length degree programmes or choose to study one or more courses.

Bachelor's and master's degree programmes

The Open University of the Netherlands offers fully accredited Bachelor or Master degree programmes in Law, Management, Computer Sci-
ences, Environmental Sciences, Cultural Sciences, Learning Sciences and Psychology. We offer - in participation with partners - the MBA programmes: Euro*MBA.

**Short programmes**

Students can also follow short programmes. These include short vocational training courses, postgraduate courses and short undergraduate programmes, which are developed in cooperation with universities of professional education (hbo), academic universities, professional bodies or commercial companies.

**Free courses and MOOC's**

We provide MOOC's, short courses and master-classes for free or for a small fee. These free courses are mainly in Dutch. Look at the Dutch website for more information.

On a commercial basis we offer open enrolment programmes and in-company and customized training programmes.
PROGRAMS

Bachelor of Information Science

A broad bachelor focusing on the field of Information Science. The program is offered online and can be taken part-time and full-time. Program is NVAO accredited (like all academic programs in The Netherlands) and has been rated best Information Science program in 2017.

Main themes covered by the program:
- Modelling and systems development
- Data and Information Management
- Programming and technology
- Organizations and management
- Project Management
- Academic competences and research methods

Courses are mainly taught in Dutch but the Master Business Process Management & IT is now transforming into a fully English program.

Highlights
- Part-time
- Online
- Top rated
- Experienced staff

Business Process Management and IT

Students will learn to analyze the structure and performance of existing business processes, to design new systems and to redesign existing systems. The analysis will look at possible improvements through innovative use of IT. They will take explicit account of how improvements can be achieved and how the organization-wide impact of new IT facilities can be properly embedded. They will also explore the world of 'big data', meaning the application of data analysis within the organization and the organization and management thereof.

Highlights
- Online distance education
- New data science management program
- Active stimulation of learning by students
- Part-time program for combining work and education
ABOUT

The Department of Information and Computing Sciences acts at the forefront of research and education in information and computing sciences. We shift boundaries in science and educate enthusiastic students to become well equipped professionals in these fields. We develop new principles for information systems, new techniques for design and use of intelligent systems in research and business.
PROGRAMS

Master of Business Informatics

The Master of Business Informatics combines theory, methods, and techniques from business and organisational science with the tools and practices of information- and computer science. Our interdisciplinary approach addresses key issues faced by organisations and business managers across the globe. Successfully aligning ICT with an organisation’s business processes requires both technological and managerial insight.

Highlights

- Four practical profiles: entrepreneurship, researcher, technical, and business consultant
- Two year research program where publishing at an academic level is implied
- A healthy mix of international students (30%) versus local students (30%) and from other Dutch universities (40%)
- Collaborations with industrial partners who are highly interested in our students
NORWAY

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

The University of Agder (UiA) is situated on the southern tip of Norway and is located on two campuses, in Kristiansand and Grimstad.

The university has 11 000 students and 1100 faculty and staff members. It is one of the youngest universities in Norway, but its history dates back to 1839 when the first teacher training institution in the region was established. It is a public university with state-of-the-art buildings on both campuses. Research is the foundation of all teaching activities at UiA and covers a wide variety of disciplines.

Being a driving force for societal and regional development, the university of Agder has close contact with industry, organisations and cultural institutions. It is an internationally oriented university in a region exposed to strong international competition.

The department of information systems provides teaching and research at the intersection of technology, organisation and business administration. In addition to teaching academic programmes in information systems on all levels, the Department of Information Systems maintains close relations to the practice field.

The faculty contributes actively to research within the Information Systems field, and works closely with both public and private sector, typically through research clusters and centres.
PROGRAMS

Information Systems

The Master’s Programme in Information Systems educates candidates in managing development projects and change processes, using Information and Communication Technology (ICT) and Information Systems (IS) to achieve strategic goals. The Programme has three main focus areas:

Enterprise Systems

Both compulsory and elective courses ensure proficiency in strategic use of Enterprise Systems, including assessment of such investments. Students acquire skills by using tools for process modelling, and experience of various ERP systems. The candidates’ understanding of the complex interaction between technological, social and organizational factors related to implementation and use of Information Systems is emphasized.

System Development and Design

Courses in System Development and System Development Methods give candidates knowledge and understanding of state of the art system development processes. Challenges related to specification, design, implementation, testing and evaluation are important factors, as are agile methods and other current methodical approaches to System Development. Project management is also a focus area.

eGovernment

Courses in eGovernment provide knowledge and understanding of how ICT/IS can contribute to modernizing and improving the efficiency and effectiveness of public sector while upholding democratic principles like transparency and participation. Citizens’ participation in political processes and right to co-determination through ICT/IS is a focus area, and students are provided with an overall understanding of the complexity and possibilities of relevant information systems for the public sector.

Highlights

- No tuition fees
- Close contact between faculty and students
- International lecturers

IT and Information Systems

The study programme educates candidates who are able to work actively in system development projects, including analysis, design, construction and operation of information systems (IS). The programme has a compulsory basic part (120 ECTS) within the IT/IS field including some organizational theory and understanding of financial theory. The programme allows students to select electives in three different areas, 1) innovation by using information technology and information systems, 2) technical focus on software development and 3) organizational and societal use of IT and information systems. Throughout the programme the candidates will learn how information systems may be developed and contextualized to assist organizations in implementing their business processes to realize possible benefits for the organization. The candidates will further be able to take part in operation, support, training for realization of benefits.

Highlights

- Strong ties with industry and public sector
- Student projects
- International faculty

PhD Specialisation in Information Systems

The PhD specialisation in Information Systems consists of four components: core courses, methods courses, specialisation courses, and a dissertation. The coursework aims to provide the candidates with a) a thorough grounding in literature in Information Systems, b) a solid methodological foundation, and c) an opportunity for in-depth focus in areas relevant to Information Systems in which a candidate has specific interest. In addition to the courses offered by UiA, candidates will be allowed to take, subject to approval, doctoral courses offered by
other national and international academic institutions.

Highlights

- Excellent throughput
- Strong international network
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

Évora University was founded on November 1st 1559, the second university in Portugal.

Since its founding, the UE has been a European center of concentration of knowledge, a school sought by people coming from various backgrounds that here met the conditions to study several fields of knowledge and practice the ability to put forward their arguments.

With the eyes in the future, the UE is proud of its past. It is never enough to remember that from its cloisters teachers and students left in ships bound for the Far East. They carried with them our culture and brought in return the cultures they discovered. They were the workers of the first great globalization that the world has known.

In the 20th and 21st centuries, after its re-foundation in 1979, the UE stands under the sign of pursuit of knowledge, valuing of experience, socialization of knowledge and, again, internationalization. As in the past, internationalization assumes, on one hand, tolerance to face other cultures and, on the other hand, the adoption of rules and standards commonly accepted by the most prestigious universities.

Today, the UE is setting up a broad spectrum of knowledge, which offers bachelor’s, master’s and doctorate degrees as well as informal courses aimed at recycling knowledge and ensuring lifelong learning.

The UE’s offer includes a wide range of degrees in various fields of knowledge, all complying with the requirements of the Bologna Process. Structured in four schools - School of Arts, School of Social Sciences, School of Sciences and Technology and Nursing School - and an Institute for Advanced Training, the UE offers 36 bachelor degrees (1st cycle), 68 master degrees (2nd cycle), of which 2 are Erasmus Mundus, 2 integrated master's, 29 programmes leading to a doctoral degree (3rd cycle) and 32 postgraduate programmes.

The UE believes in networking, contemplating in its offer 18 programmes in association with other universities, with a special reference to 4 1st cycle programmes and 3 2nd cycle programmes with the possibility of double degree with Extremadura University and Castilla-La Mancha University.

Submitted to international assessment, the UE is today an integral part of the European Network of Higher Education and Science and its qualifications are recognized and validated.

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Through the Science and Technology Park of Alentejo, the UE seeks to be a partner of the companies based there, encouraging them to innovate products and methods and to improve their competitiveness.

UE also assume the Portuguese-speaking world in the southern hemisphere as a field for cooperation in education and scientific and artistic research.

With the arts, humanities, sciences and technologies the UE continues its journey from the past to the future.
PROGRAMS

Post-graduation in Organization and Information Systems

The Post-graduation in Organization and Information Systems (PG-OSI) aims to respond to the current needs of organizations in terms of professionals trained to develop solutions, consisting of IS / ICT, that allow the successful development of organizational activities.

The PG-OSI is particularly suitable for professionals who work in the departments of Information Systems, with responsibilities in the follow-up and development of solutions based on IS / ICT to support organizational activities.

Highlights

- Information systems
- Business and management
- Information management

Degree in Informatics Engineering

The Degree program in Informatics Engineering aims to provide knowledge in Informatics, in a comprehensive and solid way. The plan of studies encompasses several scientific areas: Computer Science (112 ECTS, 20 CUs), Mathematics (36 ECTS, 6 CUs), Physics (12 ECTS, 2 CUs), Management (5 ECTS, 1 CUs), Languages and Literatures (3 ECTS, 1 UC) and free electives (12 ECTS).

Career opportunities are diverse, including technology-based companies, consulting, teaching, scientific research, and public administration.

Master Degree in Informatics Engineering

The Master Degree in Informatics Engineering aims to strengthen knowledge and skills in the area of Informatics, with a plan of studies including curricular units from Artificial Intelligence, Software Engineering and Distributed Systems, and being complemented with electives topics, and by stimulating continuous learning and adaptation to new technologies, and fostering critical sense and teamwork ability.

Our graduates are successfully integrated into many areas, having careers in software development companies, public services, consulting, development of information systems, or by creating new business and self-employment.

Doctoral Degree in Computer Science

This Doctoral Program provides advanced training in Computer Science and Engineering, aiming to instill a strong scientific background and the development of research skills.

Career opportunities are wide, including scientific research, teaching in higher education, or technology-based entrepreneurship.
UNIVERSITY OF MINHO

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EDUglopedia: eduglopedia.org/department-of-information-systems-university-of-minho

ABOUT

University of Minho

The University of Minho (UMinho) is one of the Portuguese new universities created in the early 1970s. Currently it has around 20,000 students enrolled in the degree programs offered by its eleven schools that cover most areas of knowledge (sciences, engineering, psychology, education, social sciences, economics and management, law, humanities and arts, architecture, medicine, nursing).

The University is named after the Northwest region of Portugal where it is located. The University campus, and other main infrastructures, are situated in the cities of Braga and Guimaraes. The region has a strong tradition of vibrant entrepreneurship rooted in a rich history associated to the Roman empire, to the Christianisation of the Iberic Peninsula and to the foundation of the Portuguese nation.

In its establishment, back in 1974, UMinho sought to set up its strategy taking into consideration the socio-economic characteristics of the region and paying attention to emerging fields of knowledge with major potential for development and consolidation of the small and medium enterprises that constitute the majority of Minho’s economic fabric. By the time, informatics was such an emerging academic field. At UMinho informatics emerged associated to the areas of industrial management and control, areas that gave origin to several degree programs and departments related to computers and to informatics.

Informatics at UMinho

UMinho has been the first Portuguese university to offer a full degree program in Informatics in the country. It is not surprising, thus, that informatics is an important area at UMinho, with more than 10% of its students enrolled in degree programs in the area. UMinho currently offers five initial degree programs in informatics or somehow related to computers, namely: Informatics Engineering (integrated master); Engineering and Management of Information Systems (integrated master); Telecommunications and Informatics (integrated master); Industrial Electronics and Computers (integrated master); Computation Sciences (bachelor). The annual intake of new students for these programs amounts to close to 400. The offer of postgraduate programs includes several master programs (information systems; informatics; entrepreneurship in information technologies and services; technology and digital arts; bioinformatics; law and informatics; engineering of networks and telematics services; management of engineering projects) and several PhD programs (Information Systems and Technologies; Informatics (in cooperation with universities of Porto and Aveiro); Telecommunications (in cooperation with universities of Porto and Aveiro); Electronics and Computers Engineering).

Several departments are associated to this educational offer. Not just the departments more related to the informatics and computers (Informatics, Information Systems, and Industrial Electronics) but also departments from other schools like the Mathematics and the Biology
departments from the School of Sciences, the School of Law; and the Management department from the School of Economics and Management (this School is an important contributor to the integrated master in Engineering and Management of Information Systems, taking care of most courses in the areas of economics, organizational sciences and management).

**The Department of Information Systems**

The academic interests of the Department of Information Systems are related to the adoption and use of information technology (IT) in organizations and society. They address two concerns: (1) those related to the development and improvement of socio-technical units (work units, processes, organizations, businesses, society sectors); (2) those related to the construction of IT applications capable of addressing the needs of the contexts where they will be used or to enable new forms of setting up work structures.

In order to accomplish its academic mission, the Department of Information Systems combines academic approaches adequate to the socio-technical nature of its interests. On one hand the technological approaches associated to the development of IT products. On the other hand the approaches adequate to deal with the human and social facets inherent to the study and interventions in phenomena where humans are central.

The Department of Information Systems has around 35 faculty members. Most of them hold a doctoral degree and are in a tenure track. A few of them, collaborating with the department in a part time basis, are recruited among reputed IST professionals. The department has also six collaborators with administrative and technical duties.

The department aims at providing a rich and challenging environment for teaching and research. Cultural diversity is viewed as an asset. Creativity and innovation are valued as crucial to the department’s academic mission. The department is installed in modern facilities, adequate to the fulfilment of its mission.

The portfolio of educational offer promoted by the Department of Information Systems in the information systems and technologies (IST) area – TSI@UMinho, http://tsiuminho.dsi.uminho.pt/ – covers all levels of higher education. Initial training of IST professionals is achieved through the integrated Master in Engineering and Management of Information Systems. This program has its roots in an early program created in 1990. Challenges from keeping up with constant evolution of IST professional training and the demands of adjusting higher education programs to the new principles and rules for higher education have been addressed through several changes in the program structure. Besides this IST initial training program, the TSI@UMinho portfolio also includes the following programs: Master of Information Systems; Master in Information Services and Technologies Entrepreneurship; Doctoral Program in Information Systems and Technologies.

TSI@UMinho students are offered a broad range of possibilities in what concerns international mobility and cooperation. The department has mobility agreements with a large set of partners from several countries and promotes the affiliation to networks whose thematic motivation might facilitate the exchange of students (e.g., ERCIS, IS-LINK, AIS Student Chapter@UMinho).

**Research and outreach**

R&D activities are central to the university vision assumed by the UMinho, the Engineering School and the Department of Information Systems. Therefore, it is a concern of the department to ensure that there are R&D programs that address the development of the IST body of knowledge and the application of this knowledge to whatever problems and situations where it might be beneficial.

The R&D activities in information systems and technologies encompass a broad range of research topics and problems, such as:

- Studies of phenomena related to the adoption and use of IT;
- Studies of phenomena that involve the use of information;
- Studies of IT impact on organizations and society;

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• Development of methodologies and tools to support organizational intervention activities;
• Studies and experiments of IT tools to support different activities with special emphasis on knowledge work;
• Development of innovative IT products based upon emergent technologies.

Providing services to the community is also viewed as an important academic activity as it is an opportunity to contact with real world situations that constitute potential R&D cases. This is particularly relevant due to the fact that the nature of most problems addressed in the IST area does not allow their study in laboratorial settings.

**Research - the ALGORTIMI R&D centre**

Research activities in the information systems and other informatics-related fields are carried out in the ALGORTIMI R&D centre. ALGORTIMI is a UMinho’s research unit funded by the Portuguese agency for science and technology. It combines basic, applied and translational research in a broad range of areas that include: information systems, software, multimedia, communications, networks, pervasive computing, electronics, operations research, statistics. Most researchers of ALGORITMI centre are also faculty in four departments of the schools of engineering: Information Systems; Informatics; Production and Systems; Industrial Electronics.

ALGORITMI organizes its activities along two dimensions. On one dimension (research lines) R&D activities are aligned with the areas of the departments associated to the centre mentioned above. On the other dimension (research strands), activities focus on a selection of societal challenges, namely: wealthy and innovative industry; sustainable and smart cities; healthy and secure people; resilient and agile organizations.

**Research in Information Systems and Technologies**

Information Systems and Technologies (IST) is a research line close to the interest of the Information Systems Department. It embraces three research groups: i) Information systems and technologies for the transformation of organizations and society; ii) Advanced and intelligent technologies for information systems; iii) Engineering and management of the development process of software-based information systems.

The first area addresses the adoption, use and exploitation of Information Technology to enhance desirable organizational and societal traits, namely collective intelligence, agility, resilience, transparency and citizen empowerment. The second area focuses on adaptive systems that use data to enhance individual, group or organizational work or to enable new work practices and structures. Finally, the third area addresses the processes of building and deploying information systems. It covers both the engineering and the management dimensions of the development process. The three groups are highly complementary and interdependent, acting as a crosscut research agenda for stimulating cooperation when addressing specific IST research topics, such as: business intelligence & process management, information services, information systems security & audit, knowledge management, semantic web & scholarly communication, and sustainable development of organizational software.

The IST R&D line covers the full range of research activities that precede innovation, including basic, applied and translation research. The addressed phenomena include Information Technology (IT artifacts, methods and conceptual tools and also the behaviour of individuals, groups, organizations or even societal phenomena. This diversity of research activities and phenomena of interest leads to a diversity of research methods, which is likely to include: case studies, field studies, field experiments, surveys, laboratory experiments, computer simulations, action-research, proof-of-concept, benchmarking, panels of specialists, and Delphic studies.

By addressing complex questions that bring together all the dimensions of the issues at stake, IST researchers contribute to a more dynamic development of research and education activities targeted at the information systems and software industries, which can spill over to society at large and result in sustainable and inclusive growth and quality of live through a more productive use of IT. For further details about the Information Systems and Technologies research line, please visit http://algoritmi.uminho.pt/researchteams/ist/.

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PROGRAMS

Doctoral Program in Information Systems and Technology

The Doctoral Program in Information Systems and Technologies (PDTSI) aims at training researchers to, in an autonomous way, conduct R&D activities in the field of information systems and technology (TSI). Training is certified with acquiring the title of Doctor.

The performed R&D activities focus on social and organizational phenomena related with the adoption and use of information technologies. PhD projects may result in technological or theoretical contributions relevant to organizational interventions aiming to enhance organizational development and well being or to develop innovative computational platforms with the potential to transform organizational or social practices, interactions and relationships.

The program has a 4-year duration. PDTSI’s first year implies the successful completion of disciplines designed to allow students to get familiar with relevant literature to their field and the existing research approaches and methods. During this first year, students also prepare their doctorate’s project proposal. The program’s remaining time is dedicated to the research development and writing the doctorate’s dissertation.

PDTSI is intended to a wide range of potential candidates, including:

- Young graduates that seek to prepare for research or academic careers
- Professionals the seek to increase their knowledge and skills to lead the development of IT applications and to be more effective in addressing the multidisciplinary nature of organizational and social phenomena related with the adoption and use of information technologies.

- Those who seek to contribute for the organizational and social change through the use of innovative information technology.

The R&D’s activities developed for PDTSI are performed at the Centro Algoritmi, one of the UMINHO R&D centers financed by FCT.

Highlights

- IT promoted organizational and social transformation

Integrated Master of Engineering and Management of Information System

The Integrated Master of Engineering and Management of Information Systems (IMEMIS) aims to educate professionals in the area of engineering and management of Information Systems (IS). Their main professional acts involve a combination of knowledge and competences from IT, organization and management. The role played by IS Engineers and Managers (ISEM) is to use IT and its applications to the benefit of organizations. The main professional acts to be performed by ISEM professionals include: organizational interventions related to the adoption of Information Technology (IT); management of organizational IT; organizational, process and work engineering; knowledge management. ISEM professionals act in any organization, regardless its size or economic sector. ISEM professionals act as well in IT and management consultancy companies. It’s a professional profile relevant in Small and Medium Enterprises (SME) addressing organizational improvement through the use of IT. It is expected that IMEMIS graduates exhibit: responsibility and professional ethics; learning and adaptation to new situations; attention to the evolution of IT and to new opportunities to achieve benefits from IT application; reflective attitude; leadership; understanding of the R&D process so they can follow and contribute to the evolution of the body of knowledge associated to their profession.
Highlights

- Hybrid profile exhibited by graduates
- Almost 100% graduate employment rate
- Available in two regimes: normal and after working hours
- Two ways of finishing the program: dissertation and project
- Admits two finishing moments for the graduation: by the end of the fifth year (degree of Master of Engineering and Management of Information Systems), and by the end of the third year (degree of Bachelor in Information Systems and Technology).

Master of Information Systems

The Master Program in Information Systems aims to train professionals capable of: (i) Understanding the role of information and information systems and technology (IST) in organizations and society; (ii) Explaining the technological, organizational, political, social and cultural reasons for the success of IST adoption and management; (iii) Diagnosing problems associated with the use of IST; (iv) Designing IST solutions to solve organizational or societal problems and seizing opportunities arising from changing markets and society. Thus, the graduate in Information Systems should be able to perform organizational activities such as: (i) To help to define the technological infrastructure to support business strategy; (ii) To participate in innovation processes and organizational change where IST play a central role; (iii) To manage organization’s IST to ensure the support of the implemented business model taking into account the business goals and constraints.

Highlights

- Master IT for organizational and societal well-being
- Work and study
- A master for people with different academic backgrounds
ISCTE - INSTITUTO UNIVERSITÁRIO DE LISBOA

ISCTE - School of Technology and Architecture
ISCTE - Instituto Universitário de Lisboa
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EDUglopedia: eduglopedia.org/iscte-school-of-technology-and-architecture-iscte-instituto-universitario-de-lisboa

ABOUT

ISCTE - Instituto Universitário de Lisboa (ISCTE-IUL) is a public university established in 1972. Pursuing teaching, research and community service activities, it plays a major role in educating qualified specialists and personnel, whose cultural, scientific and technical skills enable them to contribute to sustainable development both at the national and the global level. The strategic objectives of ISCTE-IUL are: innovation, quality, internationalization and development of an entrepreneurial culture.

While preserving its public university nature, ISCTE-IUL is currently one of the three Portuguese universities (along with the University of Porto and the University of Aveiro) which adopted the Foundation Regime, the latter prescribing management according to private law.

With approximately 9000 students enrolled in undergraduate (46%) and postgraduate (54%) programs, 450 teachers and 220 non-teaching staff, ISCTE-IUL is proud to be one of the most dynamic and innovative universities in the country. Facing high demand, the student vacancies at the ISCTE-IUL have always been fully occupied.

ISCTE-IUL encourages students to fully exploit their potential, to develop their capability for initiative and flexibility and to complement their academic education with international experience, enabling them with the necessary skills to adapt to the needs of the global labour market. ISCTE-IUL demonstrates a high rate of graduates’ employability and achieves the 100% rate in most of the courses. Its former students

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currently occupy positions of high responsibility in private companies, public institutions and governmental entities, which confirms not only the prestige of our institution, but also its teaching quality.

ISCTE-IUL is a research university, with eight units performing high-quality research, recognized in periodical assessments by the Foundation for Science and Technology.

At community service level, the scholars and graduates of the ISCTE-IUL have contributed to establishing multiple connections with private companies and public and civil society organizations. One of the most outstanding examples is the Institute for Management Development (INDEG), which employs activities of strong public recognition in the domains of education, postgraduate studies and research and community service in the areas of its jurisdiction.

In the domain of entrepreneurship, AUDAX-IUL is nowadays a national reference as it has developed partnerships with various local authorities, business associations, COTEC and the Massachusetts Institute of Technology (MIT).
Programs

Architecture

The Integrated Master in Architecture (MIA) is based on a convergence of the various scientific areas around the project activity where a practical and theoretical reflection is promoted in order to provide the student with an informed, critical and autonomous thought in relation to the various dimensions of space.

The first cycle is based on the experimentation of various design scales, the acquisition of progressive autonomy of the student and the answer to problems of increasing complexity.

Together with the second cycle, and particularly with the synthesis carried out in the last two semesters, the coherence of a training program according to a consolidated practice and the requirement of exceptional professional requirements is consolidated.

Architecture of Contemporary Metropolitan Territories

The PhD Program in Architecture of Contemporary Metropolitan Territories elects the contemporary territory as central theme for debate, emphasizing in this way the establishment of research branches in a large network.

The scale of metropolitan debate exceeds the national reality, implying a research level that positions this doctoral program in an international sphere. In that sense, the PhD candidates may benefit from international partnerships established by ISCTE-IUL, namely with the Faculty of Architecture and Urbanism of the University of Sao Paulo (Brazil).

Business Intelligence

The Master of Business Intelligence was created in 2005 with the goal of graduating specialized professionals in Business Intelligence able to manage, specify, implement and successfully use systems that support decision procedures integrated in the management of organizational information.

Complexity Sciences

Computer Engineering

The Master of Computer Science Engineering provides specialized training in innovative areas of Computer Science Engineering. The Master has two areas of specialization: Multimedia and Information Systems and Knowledge Management.

The area of specialization in Multimedia endows the students with the knowledge to specify, design and develop multimedia projects and products, ensuring an integrated way to manage the expectations of customers and developing mechanisms for monitoring the quality of the project/product in successive stages of testing and technical validation and functional.

The area of specialization in Information and Knowledge Management Systems endows the students with the knowledge to specify, design and develop systems that address the knowledge and apply it to generate capital gains in its business environment, not forgetting the impact of organizational culture to which they belong.

MCSE has also been recognized by ENAEE - European Network for Accreditation of Engineering Education, the european body responsible for issuing the EUR-ACE quality label, represented in Portugal by the Ordem dos Engenheiros, as a high quality engineering degree programme, awarding its graduates the title of EURopean ACredited Engineer.

Computer Science and Business Management

Train highly skilled professionals in the field of Information Systems and Information Technology aligned with the business needs and objectives – Information Genius for the Enterprise.

The Computer Science and Business Management degree (IGE) aims to produce professionals with the capabilities to face the most up to date organisational and information systems and technologies challenges. In the last years, new computing platforms and paradigms have emerged, such as the growing number of mobile devices (smartphones and tablets) and cloud computing and virtualization that created new organisational challenges. On the other side, the social networks growth and the collection and analysis of huge data volumes (Big Data) also
represent additional challenges for modern organisations.

The Computer Science and Business Management graduates will be able to face such challenges, and to develop activities in the field of Information Technologies and Systems and integrate and coordinate multidisciplinary information systems development teams that are devoted to address organisational problems. IGE graduates are equally prepared to develop activities related with information systems management, teaching and research, or even to develop their own innovative products and services through the launch of new startup companies.

Information Technologies and Sciences are the major dominant scientific influence of the degree, balanced by a relevant Management Sciences contribution.

Throughout their path across the Computer Science and Business Management degree, students will face curricular units about general management, marketing, finance and accounting in a perfect coexistence with subjects such as operating systems, computer architecture, programming, information systems and networks. The integration between such curricular units help shape the Computer Science and Business Management graduates' profile, creating an important differentiation from others, contributing to its success and reflecting on the degree's high employability rates.

Therefore, the Computer Science and Business Management degree students acquire a systemic vision that makes them capable of promoting the integration and complementarity of Business Management and Computer Science areas. They became professionals with the ability to manage the information as a strategic resource and as an organisational competitive instrument.

**Doctoral Programme in Information Science and Technology**

The objective of the Doctoral Programme (PhD) in Information Science and Technology is to acquire general research skills in Information Science and Technology, and to develop specific skills, significantly specialized, in areas of expertise, and particularly in the confined area chosen to write the dissertation.

Key research areas are: Information Systems, Business Intelligence, Telecommunications, Augmented Reality and Computer Graphics

**Master (MSc) of Information Systems Management**

The Master provides advanced training in the field of information systems, in its technological and organizational aspects, with particular emphasis on the aspects related to organisational information, Business Intelligence and project management.

In the organizational perspective, the most relevant issues are related to the insertion of information systems in companies, such as strategic planning, the importance of effective management of information systems and technologies, or the reorganization of processes and work.

The fact that ISCTE-IUL is a reference university in the area of organizational management has allowed it to obtain good synergies between the technological component and the area of management, namely in terms of the master's dissertations.

In order to reinforce the applied character of the course, collaboration with national organizations is encouraged.

**Master (MSc) of Open Source Software**

The Master in Open Source Software lectures specific topics related to the development and exploitation of information technologies using Open Source and Free Software.

The Master's program prepare the students in Information Technology (Operating Systems, Programming, Networks or Databases) and also in Economics and Business focused in the context of free and open source software. The Master is focused on a set of recognized technologies (e.g. GNU / Linux, Java, PHP or GIT), but emerging technologies are also subject of study (e.g. Nodejs, NoSQL, IoT).

**MSc in Computer Science and Business Management**

The MSc in Computer Science and Business Management (MCSBM) is, first of all, the extension of the first cycle degree in Computer Science and Business Management. Furthermore, it offers a moving path for students external to
ISCTE-IUL, coming from the first cycles of the areas such as Computer Science, Information Management, Computer Engineering, amongst others.

The MCSBM consolidates the ability to incorporate and apply knowledge from two ISCTE-IUL areas of excellence – Management Sciences and Information Science and Technology. This Master’s offers a strong link with the needs of the surrounding business sectors, through the permanent contact of students with this reality, especially in the 2nd year. There is a stimulus towards the development of projects or dissertations brought about by research challenges applied to the resolution of current business problems. This is done through an ongoing update of syllabuses and the adoption of adequate methodologies, always aiming at a practical application of concepts.

This course is mainly directed to graduate students (1st cycle) who have or wish to acquire hybrid skills in the areas of Computer Science, Information Systems and Management. Therefore, it is also aimed at graduates who, having completed the 1st study cycle in the areas of Computer Science or Engineering, wish to complement their undergraduate studies with Management Sciences skills. It offers, as abovementioned, the possibility of a stirring professional-wise development path for students external to ISCTE-IUL, who have concluded the 1st cycle in the areas of Computer Science, Information Management, Computer Engineering, Telecommunications Engineering, amongst others.

Highlights
- Computer Science
- Information Systems
- Management

Telecommunications and Computer Engineering

The master course on Telecommunications and Computer Engineering graduates engineers capable of solving the big challenges that the Information Society presents to the competitiveness of companies and nations.

The main covered areas are mobile communication systems, embedded systems, optical communication systems and networks, software engineering, intelligence and management of networks and services, financial management of companies and projects, multimedia signal processing and the production of multimedia programs.

The teachers are highly qualified producing scientific research within the Institute of Telecommunications with connections to enterprises’ activity. The privileged context of ISCTE-IUL in the area of management provides a differentiated formation, potentiating the formation of engineers with quality, skillful to work at top technical careers.

The master course on Telecommunications and Computer Engineering (METI) complements the studies of students with a bachelor (“licenciatura”) degree on telecommunications and computer engineering of ISCTE-IUL, but holders of a national or foreign academic bachelor degree or legal equivalent in telecommunications and computer engineering, computer science engineering, electronic engineering or in engineering of associated areas are eligible as candidates.

After completion of METI the masters in Engineering of Telecommunications and Computer Science will be able to analyze, evaluate, project and manage advanced telecommunications systems, including the services, the information networks and the systems associated.

The employability of masters in Telecommunication and Computer Engineering is 100% being the main employers the big companies of the areas of telecommunications and computer science, namely, operators, equipment manufacturers, service providers, consulting and outsourcing companies, etc.

METI was recognized by ENAEE – European Network for Accreditation of Engineering Education, entity responsible for emitting the EURACE Quality Label and represented in Portugal by “Ordem dos Engenheiros”, as a reference master course with quality within the university teaching system, assigning the METI masters the title of EURopean ACcredited Engineer.
Nova Information Management School
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ABOUT

NOVA IMS is the information management school from NOVA University. With a reputation for excellence in various levels of education, NOVA IMS creates managers trained to lead and guide the compilation, analysis, exploration and use of information in order to improve the decision-making process in organizations.

Programs at a glance:

- Bachelor of Information Management
- Bachelor of Information Systems and Technologies
- Master of Advanced Analytics
- Master of Geographic Information Systems and Science
- Master of Information Management
- Master of Science in Geospatial Technologies
- Master of Statistics and Information Management
- Doctorate Program in Information Management

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In today's society business is becoming increasingly complex. Companies deal with daily huge amounts of data generated by numerous sources. This situation causes a high demand for professionals with skills in information management, which have to be able to use the latest techniques and analytical tools to support the decision-making process.

A degree in Information Management aims at information professionals with strong analytic skills, able to collect, organize and analyze information from organizations, translating them into a strategic resource that allows them to innovate to develop competitive advantages and provide new market trends. The multidisciplinary nature of this course is tailored to the requirements of national and international labor market. The shortage of professionals in this area is significant in Portugal, but also internationally. To get a sense of the potential inherent to this profession, the predictions of The McKinsey Global Institute indicate that in the US alone there, in 2018, a shortage of about 200,000 skilled in information management area, as well as 1.5 million managers and analysts with expertise in this area.

Dubbed as the sexiest profession by the American magazine Forbes century, this multidisciplinary training in Information Management, the Information and Knowledge Society did emerge, allows rapid integration of our students in the management structure of the various sectors of organizations activity.

Master of Geographic Information Systems and Science

The master's degree program in Geographic Information Systems and Science functions both in e-learning or b-learning formats, and in Portuguese. It trains experts and managers to lead and guide the design and development of Geographic Information Systems and Science tailored for the needs of enterprises and public and private institutions.

Highlights

- GIS
- Spatial Data Infrastructures
- GEOINT
- Data Modelling
- Data Analysis

Master of Information Management

The Master Program in Information Management aims to train IT architects to not only lead the creation and development of systems, but also implement new information technologies. Students will also be able to mobilize company information to promote innovation and increase process efficiency.

The Master degree Program in Information Management is designed to include three alternative paths (specializations):

- Knowledge Management and Business Intelligence - ranked as the best Master
- Information Systems and Technologies Management
- Marketing Intelligence.

Highlights

- Knowledge Management and Business Intelligence
- Information Systems and Technologies Management
- Marketing Intelligence
Master of Statistics and Information Management

The master's degree Program in Statistics and Information Management trains experts and managers to lead and conduct the collection, organization, analysis, and exploration of information, offering organizations basic skills to transform data into value.

The master's degree Program in Statistics and Information Management is designed to include three alternative paths (specializations):

- Information Analysis and Management
- Risk Analysis and Management
- Marketing Research and CRM

Highlights

- Information Analysis and Management
- Risk Analysis and Management
- Marketing Research and CRM

Master of Science in Geospatial Technologies

The Master of Science in Geospatial Technologies (Erasmus Mundus Program) is a cooperation between NOVA IMS, in Portugal, the Institute for Geoinformatics (IFGI) of the University of Münster (WWU), in Germany, and the Universitat Jaume I (UJI), in Spain. It is aimed at graduates wishing to obtain qualifications in fields where geographic information is applied and intend to have a multicultural experience.

This master's degree Program has been selected by the Erasmus Mundus Program of the European Commission as one of the most excellent Master Programs in Europe.

Highlights

- GIS
- International
- Erasmus Mundus
- Scholarships
Department of Economics, Management and Informatics

PORTUCALENSE UNIVERSITY (UPT) / OPORTO GLOBAL UNIVERSITY

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Portugal
ABOUT

UPT – Oporto Global University, is a private higher education institution, ISO 9001 certified, recognized by the Portuguese Government and the Portuguese Agency for Assessment and Accreditation of Higher Education - A3ES. UPT’s Research unit, IJP, is certified by the Portuguese funding agency for research, FCT.

Created in June of 1986, UPT – Oporto Global University located in Oporto, known as the 'Cidade Invicta', Oporto gave Portugal its name. Located in the north of Portugal, on the right bank of the River Douro, Oporto is the country's second largest city situated within an urban area of over 1.3 million inhabitants.

Oporto is internationally known for its port wine, bridges and its old and contemporary architecture. Its historical centre has been a UNESCO World Heritage Site since 1996. The city of Oporto is also a centre of educational and research excellence, standing out for its technological and scientific innovation which attracts students from all across the country and from overseas.

UPT is organized in four Departments: Law, Economics, Management and Informatics, Heritage and Tourism and Psychology and Education that teach 1st, 2nd and 3rd cycle programmes and post graduations, structured according to the Bologna Process. UPT aims to be a model in higher education, taking the advantages of the different department's synergies. More than acquiring theoretical knowledge, the students have the chance to develop practical work and research projects, developing different kinds of skills that prepare them for jobs in future career and for living in a competitive global society.
PROGRAMS

**BSc in Informatics - Programming**

The main purpose of UPT's Bachelor of Informatics – Programming is to train professionals with the best program and a highly motivated and skilled teaching staff, so that students become experts in this field and are able to successfully enter the competitive international market. We offer you the possibility of putting into practice the theoretical knowledge acquired during the course in inspiring and adequate internship programs, which will improve and enrich your experience in technology-driven areas.

The BS_IP degree enables students the opportunity to strengthen current technology, business, and interpersonal skills, as well as broaden their ability design, develop, install and maintain computer systems. The curriculum stresses the areas of application and system programming, development of Web sites and multimedia solutions programming, databases administration, communication systems, mobile applications, computer networks and security.

The three-year course program aims to provide training in the Information Technology dimension and promotes the connection to the institutions of the region. This issue is reflected in two dimensions:

i) the course study plan includes the curricular unit Project (formerly called Internship), which is held in an organizational context, enabling students to have an early approach to the labour market;

ii) the course allows the education of graduates that meet the market demand, with know-how to develop computer systems, that can be used to boost the competitiveness of twenty-first-century organizations, as well as for the organizations’ regional economic development, through the growth of companies in the area of technology. Furthermore, the study plan of the course is also adjusted to the needs expressed and discussed with employers, in meetings promoted for this purpose.

The course follows the best international practices and is aligned with the ACM/IEEE curriculum recommendations. Moreover, it is accredited by the Agency for Evaluation and Accreditation of Higher Education (Portugal), A3ES, and the UPT is the unique Portuguese private university to hold a global certificate quality (ISO 9001).

**Highlights**

- Curricular Internship (training placement in a company)
- Partnerships with IT companies
- Balance in the development of technical and soft skills
- Workshops and International projects

**BSc in Management and Information Systems - BS_MIS**

The Bachelor of Science in Management and Information Systems (BS_MIS) degree enables students the opportunity to strengthen current technology, business, and management skills, as well as broaden their understanding of information technology industry trends. The curriculum stresses business knowledge and real-world application of knowledge and skills by covering key concepts of information systems and technologies, organizational management, interpersonal and organizational communications, and project management.

The three-year course program aims to provide training in the two overlapping areas of management of organizations and information systems and technologies. The students will obtain a solid foundation in social sciences and organizational theory. Furthermore, acknowledging the importance of IST for organizations, the training is complemented with information systems and technology knowledge which enables students to use, manage and implement such tools to solve real problems and/or create new opportunities in organizations. The course ends with a Project, which is developed within an enterprise context, enabling students to have an early approach to the labour market.
Highlights

- Combined preparation on Business, IT and Management
- Partnerships with consultancy and enterprise management software companies
- Balance in the development of technical and soft skills
- Curricular Internship (training placement in a company)
- Opportunities for Workshops and International Projects participation

MPhil of Informatics, specialization in Information Systems

Given today's ubiquitous computing, organizations have a critical need for people who understand, in depth, both information technology and business. A modern computer system can be a mobile phone, a PC, or a data center with thousands of servers. Information systems handle coordinating the flow of data between such widely varying computational systems and support corporate decision making. The most successful technology leaders are those with deep expertise in technology and business strategy. Successful new technology products and information systems always combine technical quality and smart business strategy. Developing these systems requires extensive communication among technical developers, business managers and users.

The MPhil in Informatics, specialization in Information Systems program focuses on training students in the core and emerging concepts of information systems technologies and business strategy, so that graduates can develop successful careers in management positions that require deep technical skills. Through the programme's core modules students will gain a solid foundation in information systems and information technology, enhance their existing professional knowledge and gain insights into current developments in IT.

The MPhil is a post-graduate program aimed at preparing the student to take leadership roles in the management of information systems and technologies. The course's generic objectives are to know how to apply and incorporate knowledge in the area of information systems and technologies in new and complex situations, by acknowledging the emerging technologies that may contribute to the innovative and efficient conception of information systems as well as adopting the best practices to manage these systems. The planning and control of the intervention activities of information systems is thus envisaged as well as the ability to communicate the knowledge and reasoning to diverse audiences.

The course allows a common basis for structuring knowledge, namely concerning modeling techniques, emerging technologies, project management and technological innovation. Students should be able to enhance business through the use of technology and to manage and lead information systems intervention activities employing the best practices.

The course follows the best international practices and is aligned with the ACM/IEEE curriculum recommendations. Moreover, it is accredited by the national authority agency A3ES, and UPT is the only Portuguese private university to hold a global quality certificate.

The two-year course program comprises twelve mandatory curricular units providing a mix of theoretical underpinning, technical skills and perspectives on organizational and information systems and technologies management. It then culminates with an applied research and development experience that can be an internship, project or a thesis.

Highlights

- Prepare leadership roles in the management of information systems and technologies
- Structure knowledge, emerging technologies, project management and technological innovation
- Partnerships with consultancy and enterprise management software companies
- Curricular professional development seminars and workshops
- Applied research and development experience that can be an internship, project or a thesis
MPhil of Informatics, specialization in Software Engineering

The MPhil in Informatics is a post-graduate program aimed at preparing the student to take leadership roles in the knowledge and application of technologies, as well as critical thinking development and scientific and technical communication skills. It allows a common basis for structuring knowledge, namely concerning modeling techniques, emerging technologies, project management and technological innovation.

The course’s specific objectives are to know how to plan, control, and perform development activities of highly complex software systems using emergent technologies, and to define delineate technological solutions to address organizations’ problems of high complexity. The planning and management of the infrastructure supporting the organizational technological services consist in another core field of expertise, as well as to ensure high security standards and risk management. The professional ethics and leadership role are developed within critical thinking and responsible attitudes.

The course follows the best international practices and is aligned with the ACM/IEEE curriculum recommendations. Moreover, it is accredited by the national authority agency A3ES, and the UPT is the unique Portuguese private university to hold a global certificate quality.

The two-year course program comprises twelve mandatory curricular units providing a mix of theoretical underpinning, technical skills and perspectives on software engineering. It then culminates with an applied research and development experience that can be an internship, project or a thesis.

The course encompasses the emergent technologies and will allow students to tackle the increasingly relevant fields such as Big Data, Cloud Computing, Information Security, and to lead highly complex software projects in the increasingly interconnected world with computing devices operating everywhere. The MS_CSE will be prepared for embracing the challenges organizations poses nowadays, in a rich and diverse environment.

Highlights

- Integrate academic and practitioner perspectives, designing tailor-made academic paths
- Combine computational thinking with design thinking to the development of future intelligent products that will make life easier for users
- Understanding and (Re)Designing Software Development Processes
- Curricular professional development seminars and workshops
- Applied research and development experience that can be an internship, project or a thesis
UNIVERSITY OF PORTO

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ABOUT

Mission

The Faculty of Engineering of the University of Porto - FEUP - is an institution for the creation, transmission and dissemination of knowledge, technology and culture in engineering. One of the main aims is to prepare students to pursue the engineering profession at an international level, supported by Research and Development of excellence, contemplating the strands scientific, technical, ethical and cultural.

Vision

FEUP is and will increasingly be an alive campus and a source of inspiration for a technical and scientific increase and civic and cultural development of all students who seek it.

FEUP will also be a key asset, and therefore rigorous, proactive and demanding, for the purposes of the University of Porto and Portugal’s development in achieving this goal always postponed the European convergence.

FEUP intends to use its quality, inspiring well-being, pro-activity and ambition to do more and better, in the pursuit of mission objectives, production and transfer of knowledge to the society.

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**PROGRAMS**

**Doctoral Program in Digital Media**

This is a joint program between the University of Porto and The New University of Lisbon, with the support of the University of Texas at Austin, aiming at specialized training in digital media.

The recent development of new applications in the area of digital media such as videogames, interactive content on the Web, interactive TV, video-on-demand, new educational software with high impact among the young generations and, more recently, the appearance of information, marketing and leisure content in mobile devices, demonstrate how important is the research on these new types of content and their close relationship with the technologies and their application. It is now very clear that universities must contribute through the creation of professionals in these areas at all levels, including the doctoral level. The final aim of the program is to train researchers, university teachers and innovation leaders in fundamental and applied areas associated with Digital Media.

Typical duration of the program is 4 years full time (240ECTS), including 1 year of courses and the three following years of research. The course is organized in the following specializations: (1) audiovisual and interactive content creation, (2) Technology, (3) Industry, public and Markets. At UP the course will be based in the Faculty of Engineering, actively involving the Faculties of Humanities, Fine Arts, Economics and Sciences.

**Doctoral Program in Informatics Engineering**

New rules, coming out the "Bologna Declaration", leading to better compatibility and comparability of the European University degrees, as well as EU students mobility, presented a new challenge for creating Doctoral (PhD) Programs in Informatics.

Informatics Engineering is seen as a broad Body of Knowledge encompassing several aspects of Computing Engineering, Information Systems and Computer Science contributing to the Conceptualization, Specification, Implementation, Validation, Maintenance and Integration of Computer-based Systems.

The main objective of this Doctoral Program (ProDEI) is to promote excellence in the Applied Research in Informatics, including theoretical aspects behind the modeling and project stages of Computer-based Systems.

**ProDEI Organization:**

- Classes corresponding to 60 Credit Units (ECTS-European Credit Transfer System). Typically one Year
- Research work corresponding to 120 ECTS. Typically longer than two years.

**Informatics and Computing Engineering**

Learning Informatics and Computation Engineering at FEUP was conceived as requiring a full five years integrated cycle of education, training and apprenticeship. This integrated cycle matches the implementation of the 1st and 2nd cycles of the Bologna Process and immediately confers the Master of Science academic degree.

The Integrated Master in Informatics and Computation Engineering (MIEIC) formally aims to achieve the following general goals:

- to provide a solid base of scientific and engineering education, essential for interacting with other engineering specialities, and supporting a superior professional practice
- to provide a solid and specialized training and education, allowing the conception, specification, design and implementation of products, processes and services, based on computers, computations and information technologies
- to stimulate the acquisition and training of soft skills like creative attitudes and capabilities, critical mind, leadership and team work
- to stimulate the entrepreneurship and innovation spirit, risk assessment and opportunity exploitation
- to provide process management learning, stimulating quality and productivity increase and resource optimization
- to provide the required training and learning for granting the professional title of Engineer by the Portuguese professional engineering association (Ordem dos Engenheiros).

At the end of the first three years (1st cycle) the students will acquire a solid base instruction comprising not only the essential scientific and engineering skills, but also a wideband fundamental knowledge in several domains of informatics, although not specialized. This first step can be understood mainly as a mobility level to and from other national and european schools.

At the five years integrated cycle conclusion the graduated students will exhibit an advanced instruction in Informatics and Computation Engineering, comprising a specialization area or a deep broader range of interests. In the last two years the student has an extensive subject offer, individually configurable.

At present possible specializations include:

- Software Engineering and Information Systems (divided in two sub areas with the same name)
- Networks and Information Technologies (divided in Internet Technologies and Information Infrastructures sub areas)
- Intelligent Systems and Multimedia (divided in two sub areas with the same name)

Career opportunities

Considering the multiple job functions and career opportunities open to MIEIC graduates we can mention the following:

- Information systems architecture design and conception
- Administration and management of informatics systems or centers

- Design and development of systems and applications
- Informatics projects management
- Consultancy and auditing
- Research and technological development

Typical FEUP Informatics Engineers employers include:

- Software development enterprises
- Information services providers
- Banks, finance and insurance companies
- Companies with their own information centers such as transports, distribution, logistics, etc
- Research and development institutions

Highlights

- The Integrated Master in Informatics and Computing Engineering has been awarded the international EUR-ACE quality label. This certifies MIEIC as a high-quality programme which meets the international standards for professional engineering education at the masters level.
- The Agency for Assessment and Accreditation of Higher Education (A3ES), at 20th of June, 2014, and in accordance with the recommendation and fundamentation produced by the respective External Review Team, decided to accredit MIEIC, without conditions, for a period of 5 (five) years.

Information Science

The Master in Information Science is a joint initiative of the Engineering (FEUP) and Humanities (FLUP) faculties and aims at deepening the knowledge and competences of Information Science graduates towards a professional specialization as well as envisaging a research career.

It also enables graduates from other scientific areas who got approved in at least 30 ECTS credits, corresponding to a minor in an area
relevant for Information Science (for instance, Information Management, Archivistic, Library Science), to develop competences towards a professional career in the area of information organization and management.

The MCI study plan takes into consideration the competences defined by the "Dublin Descriptors" for the master level and pursues the following goals:

• prepare for employability, ensuring that master graduates (Bologna second cycle) are able to exercise a profession, which core is in general the ability to select, organize, manage, and preserve information which may be used for several purposes, no matter its format or support;

• educate for a professional activity that may take place in all kinds of libraries, archives, documentation or information centres, as well as in the context of many organizations where the professional acts as an information manager, a content manager or an information analyst;

• produce a professional able to apply knowledge, to solve problems in new or unknown environments and in the scope of generic and multidisciplinary contexts, to assess situations, to develop analysis and synthesis studies, to communicate the conclusions to specialised and generic audiences, to be autonomous and independent in action, and to develop applied research projects in the Information Science area.

More concretely, the competences to be acquired through this 2nd cycle of studies in Information Science can be defined as follows:

• Know the nature of information, its various production modes, its life cycle, and the legal and ethic aspects of its access and use, irrespective of its recording media.

• Dominate well the theoretic and methodological principles for planning, organizing and evaluating information systems and services, while being aware of the information policy defined for the context where the activity is being carried.

• Dominate well the principles of selection, acquisition, organization, representation, retrieval, preservation, access, and use of information.

• Dominate the information and communication technologies.

It is thus expected that the Information Science master be able to:

• organize, manage, and evaluate information systems and services;

• design information management processes along its life cycle;

• be proficient in manipulating technologies;

• soundly apply assessment techniques to information sources and resources;

• conduct audits, perform expert analysis and act as information consultant for the most diverse organizations.

Highlights

• The Agency for Assessment and Accreditation of Higher Education (A3ES), at 17th of April, 2015, and in accordance with the recommendation and fundamentation produced by the respective External Review Team, decided to accredit MCI, without conditions, for a period of 6 (six) years.

Master of Multimedia

The Master in Multimedia provides specific training to develop both creative and technological skills in order to solve the challenges that the creative and cultural industries face in an increasing competitive and global market.

For this purpose this master program has the following goals:

• To provide solid scientific training, essential to a professional practice in the scientific fields of Communication Sciences, Visual Arts, Economy and Business Administration, Communication
Technology, Education Technology and Musical Technology.

- To provide solid professional training that enables the conception, project and development of products, processes and services based on Multimedia Technology, offering the possibility of four main specialization areas: Technology, Arts and Culture, Education, Interactive Music and Sound Design.

- To promote the development of non-technical skills, such as the development of creative skills, teamwork and leadership.

- To promote the acquisition of an entrepreneurship attitude, risk evaluation and creative opportunity recognition and exploitation.

This master programme is promoted by the five faculties and is organised according to the Bologna Process Agreements, taking into account both its global aims and pedagogical modifications.

It provides specific training for a broad set of backgrounds in four specializations:

- Provides skills to understand the articulations of contemporary media, information technology and design for cultural and artistic production, recognizing areas of opportunity for the development of new practices, methods or media.

- Provides skills to understand information technology and design for the production of multimedia materials for use in educational contexts and the use of advanced means of communication for the promotion of learning communities.

- Provides skills to develop advanced work in the area of interactive musical systems, including design, creation, and operation of these systems in various application contexts, including (but not limited to) games, interactive installations and other applications. Develops the ability to develop advanced work in the area of sound design for film or other audio-visual solutions, as well as digital games.

- Provides skills to design and implement systems and multimedia applications and to innovate in the design of new products, processes and services based on emerging technologies.

This master programme also aims to develop skills in media, strengthening not only students’ acquired knowledge during their first-cycle of studies, but also the discussion of different knowledge between multidisciplinary teams, which are constituted in the course units and workshops.

Taking part of a master programme with this configuration is the most adequate choice regarding the development of dissertations, specialization and research of multidisciplinary and interdisciplinary projects, since the teaching staff is composed by professors of the five faculties.
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
URAL FEDERAL UNIVERSITY

Graduate School of Economics and Management
Ural Federal University
19, Mira str.
620002 Ekaterinburg
Russia

About

UrFU Graduate School of Economics and Management is the largest Institute of Ural Federal University, which combines a fundamental nature of studies with practical applicability of knowledge.

GSEM UrFU is a recognized center for economic and managerial education serving the interests of social and economic development of the Ural region and supporting its leading industrial employers.
PROGRAMS

Global Energy Business

The program prepares qualified professionals for employment in global and domestic energy markets; overhaul projects in power generation based on cutting-edge innovative technologies; in engineering, analysis and research requiring broad vision and unconventional interdisciplinary approaches.

*The tuition fees are approximate, calculated based on the average currency exchange rate of 1 USD = 60 RUB, and may change depending on exchange rate. Discounts may be provided based on applicant's entrance exam performance. For further information, please contact our managers.

Highlights

- Field trips to innovative power production facilities operated by Russian companies
- One exchange semester (20 ECTS) at partner University Politecnico di Torino
- Professional internship (10 ECTS) is foreseen at Ekaterinburg Electric Grid Company, Interregional Distributive Grid Company of the Urals and other companies

International Economics and Business

The program is aimed at the students who are ready to build their future careers in large Russian and international companies actively involved in international business. Special features of the programme include English learning throughout the entire period of study, as well as more than 20 courses taught in English.

*The tuition fees are approximate, calculated based on the average currency exchange rate of 1 USD = 60 RUB, and may change depending on exchange rate. Discounts may be provided based on applicant's entrance exam performance. For further information, please contact our managers.

Highlights

- EPAS accredited
- Internships in international corporations

IT Innovations in Business

This program will give you in-depth knowledge in the development of automation and informatization of business processes for managing an electronic company and introducing the innovations into business. After finishing, will be qualified for careers in economic, financial, marketing production and analytical services in different industries, areas and forms of ownership, institutions and organizations, including financial and insurance companies, municipal authorities and the government, academic and institutional research organizations.

*The tuition fees are approximate, calculated based on the average currency exchange rate of 1 USD = 60 RUB, and may change depending on exchange rate. Discounts may be provided based on applicant's entrance exam performance. For further information, please contact our managers.

Highlights

- Exchange semester at Varna University of Economics, Bulgaria (30 ECTS)
- Possibility of obtaining a double degree (Ural Federal University + Varna University of Economics)
- Internships at IT-departments of banks, insurance companies, etc.
FINANCIAL UNIVERSITY UNDER THE GOVERNMENT OF THE RUSSIAN FEDERATION

Chair of Business Informatics
Financial University under the Government of the Russian Federation
Leningradsky Prospekt
49-55
Moscow
Russia

ABOUT


It is considered among top 5 universities in Russia according to Forbes as well as one of the oldest Russian universities preparing economists, financiers, bankers and financial lawyers.

The Financial University consists of 14 faculties, 40 departments, 3 institutes, 2 high schools, 2 research institutes, 8 centers, 2 training - science laboratories, a network of regional offices - 11 branches and 4 offices open in seven regions of Russia.

Established1919TypePublicEndowmentUS$10M (2009)
PresidentProf. Alla G. Gryaznova
RectorProf. Mikhail A. Eskindarov
Academic staff2,887
Students81,453

Contact:
Institution website: international.fa.ru/Pages/Home.aspx

www.eduglopedia.org
PROGRAMS

Business Informatics

IT-management in business

“IT management in business” educational track (bachelor degree level) as a part of a larger educational program “Business informatics” at Financial University under the Government of the Russian Federation relies on multidisciplinary approach to IT (managerial, economical, and other streams) to prepare specialists able to design, manage, and develop state-of-the-art corporate IT landscapes.

Highlights

- Business Informatics program
- Outstanding teaching quality
- Excellent mentoring by teaching personal
- Experiential learning
- Corporate connections

Strategic IT management in business

Master’s degree program “Strategic management of information technologies in business” as a part of business-informatics educational stream is designed for those students who see their future in the area of information systems management and development. Educational curriculum and course content, as well as methodical and academic research conducted within this program are aimed at preparing qualified managers of corporate IT departments, IT project managers, and IT consultants.

Highlights

- Business Informatics program
- Students academic research
- IIBA certificate
NATIONAL RESEARCH UNIVERSITY HIGHER SCHOOL OF ECONOMICS

School of Business Informatics
National Research University Higher School of Economics
Kirpichnaya Ulitsa
33
105187 Moscow
Russia

ABOUT

HSE University is the first university in Russia which started business informatics educational programs.

2002 – Faculty of business informatics founded
2004 – First bachelors and masters programs
2008 – First double-diploma agreement with University of Munster, Germany

2011 – Best educational program (National Ranking)
2014 – 4 double-diploma agreements in the area of business informatics, first in Russia
MSc programme in Big Data instructed in English launched.

2015 – School of business informatics was created on the basis of the Faculty
PROGRAMS

Big Data Systems

The programme is focused on the value aspect of Big Data for large enterprises and the implementation of Big Data technology in the enterprise. It provides students with a knowledge and understanding of the fundamental principles and technological component of Big Data, preparing them for a career within companies or in scientific research.

Business Informatics

The main objective of this programme is to train managers who are able to solve business problems using information technology. Alumni of the programme work in areas related to decision-making for business performance management, organization of corporate systems, architecture of business processes, reorganization and business optimization. The programme has three separate educational tracks: informational business analytics, information systems management and business process modelling and optimization.

Business Informatics

The program aims to prepare information systems specialists with wide range of skills in IT, economics and management. The graduates are demanded in the IT sphere on such positions as system architects, business analysts, IT managers and consultants. On the program we provide a great amount of student mobility opportunities: from internships in leading Russian and foreign IT companies to exchange programs with European universities.

Highlights

- Practical and interdisciplinary studies
- Industry contacts
- Very good employment opportunities
ABOUT

Higher school of business informatics (HSBI) is the postgraduate business school of The National Research University Higher School of Economics – Russia. HSBI was established in April of 2004. MBA-IT (MBA - IT management) was started in 2007.

HSBI mission: through training of IT specialists to raise mutual understanding between the business community and IT community, helping to create a synergy of business and IT in enterprises and organizations in Russia.

The school offers a large full-time MBA (Master of Business Administration) program and many postgraduate programs applying IT in business management and business.

Directions of training:

• Strategic management of information systems;
• Enterprise Architecture;
• IT Governance;
• Business Process Management;
• Design of information systems;
• Business Performance Management;
• IT Service Management;
• Business Intelligence & Analytics;
• Business analysis;
• IT project management;
• E-Commerce;

www.eduglopedia.org
• Digital marketing;
• Computer online games

Academic units: IT management; Business Process Management; Business administration; Accounting; Business and IT Strategy; Government and the International Economy; Entrepreneurial Management; Finance; General Management; Business Analysis; Marketing; Negotiation, Organizations & Markets; Organizational Behavior; IT Service management, etc.

Over 11 years, more than 2500 students – from companies in Russia, Ukraine, Belarus, Italy, Bulgaria, Latvian, Austria, Israel, Vietnam, etc. – have graduated from HSBI.
PROGRAMS

IT-management in business

Realisation of “IT management in business” bachelor program responds to the current demand of the Russian labor market challenged with need for qualified managers and specialists in system and business analysis.

Highlights

- Business Informatics program
- IIBA certificate

MBA - IT management

MBA program is targeted at executives who will be responsible for strategic IT development for firm performance enhancement. All program disciplines are deeply focused on management, which can be also used as a key word to describe program content.

Highlights

- Business Informatics program
- Corporate connections
- Experiential learning
- Outstanding teaching quality
NATIONAL RESEARCH UNIVERSITY HIGHER SCHOOL OF ECONOMICS; NIZHNY NOVGOROD

ABOUT

Established in 1996 HSE - Nizhny Novgorod is the oldest and largest among HSE regional campuses. It offers high quality education within its 5 faculties: Faculty of Economics, Faculty of Management, Faculty of Business Informatics and Applied Mathematics, Faculty of Law and Faculty of Humanities. HSE - Nizhny Novgorod is highly-rated for its achievements in a variety of research areas spanning ERP systems architecture, decision systems, mathematical modeling in economics, logistics and supply chain management innovation management, communication studies, computational linguistics. Its modern facilities including 4 studying halls, a dormitory, a library and a publishing house are distributed across the city.

FIELDS OF STUDY

- Economics
- Management
- Business informatics
- Social studies
- Economics and Finance
- Financial and Investment Management
- Financial Economics and Analytics
- Banking Accounting, Analyses, Audit
- World Economy Management
- Marketing Logistics and Supply
- Chain Management
- Education Management
- State and Municipal Management
- Applied Mathematics
- Computing Linguistics
- Software Engineering

Institution website: nnov.hse.ru
EDUglopedia: eduglopedia.org/university-national-research-university-higher-school-of-economics-nizhny-novgorod
• Philology
• Fundamental and Applied Linguistics
• Law
• Russian as a Foreign Language
The Higher School of Economics – Nizhny Novgorod invites international students who are currently enrolled in undergraduate and graduate programs to take part in its Semester in Nizhny Novgorod exchange programme.

Students will have the opportunity to create their own curricula drawn from a wide array of courses offered by HSE – Nizhny Novgorod. They can attend HSE – Nizhny Novgorod for one or two semesters and earn academic credits that may be transferred to their home institutions.

Managers of the Dean's Office and the International Office are available to help students design a curriculum customized to their own interests and goals. Students can choose a specific area of studies, for example, Economics & Finance or Management, or they can combine separate fields.

There are many benefits to studying at HSE – Nizhny Novgorod. Students will be able to explore the real Russian city, as well as travel to nearby destinations like the Moscow, Kazan, St. Petersburg and Golden Ring. They will gain a valuable, practical, hands-on insight into another culture. They also have the chance to enhance their career prospects, make lifelong friends, and study in a friendly, international and intellectually stimulating atmosphere.

**Global Business**

The master programme “Global Business” aims to prepare students to work in a global environment. The programme covers the foundations of general managerial theory and practice; various functional aspects of management within companies that operate on the global market, including strategy, marketing, HR management, and company finance; the specifics of conducting business in the context of different countries; and last but not least, negotiation and communication skills.

The three universities from Slavic (Russia), Germanic (Austria) and Latin (Italy) Europe have joined their forces to offer students an opportunity to gain a hands-on experience of the business and learning environment of the world's leading economic regions. The learning environment is authentic for each region as the respective part of the Programme is delivered by local faculty and practitioners. During the Italian term professors, students and companies will work together to share expertise and knowledge with the students working on real business projects for Italian companies.

In this unique set-up students are able to develop a global mindset and enhance their social and cultural competences. Learning is achieved through both content acquisition and cross-cultural team interactions. Cultural understanding is brought about by self-reflection on cultural experiences and active immersion in the target cultures. To enhance the process, the program places a strong focus on language acquisition of the target languages (English and Italian/German/Russian).

The program is a life-enriching experience that fosters the development of the students’ personality and provides a lasting impact on the level of tolerance for diversity, ambiguity, and openness. Each student is given opportunities to explore different areas of study within and be--
yond basic academics, to develop talents and to become the busi-ness leader of the future.

Schematic Programme Model

In their first year of studies students accepted to HSE will become part of a single group along-with their Austrian and Italian counterparts. The programme starts at HSE Nizhny Novgorod with the joint group heading to the Johannes Kepler University of Linz afterwards. Students study and live at the university January through March. Later, in April-July, the students go to Italy and work on some real-life projects with Italian companies.

In their second year of studies Russian students stay at HSE Nizhny Novgorod or tailor their academic experience through academic mobility opportunities.

Highlights

- three countries
- intercultural learning
- a variety of elective courses
- work on real-life consulting projects for companies in Austria and Italy
- an extensive network for future ca-reer
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:
UNIVERSITY OF NOVI SAD

Faculty of Economics in Subotica
University of Novi Sad
Segedinski put 9-11
24000 Subotica
Serbia

Contact: Pere Tumbas
Institution website: www.ef.uns.ac.rs/english/
EDUglopedia: eduglopedia.org/faculty-of-economics-in-subotica-university-of-novi-sad

ABOUT

Place Where Tradition and Contemporary Ideas Meet...

The Faculty of Economics in Subotica is a modern scientific and educational institution within the University of Novi Sad, with a complex organisational structure, heterogeneous range of activities and enviable technical and human resources. The Faculty conducts fundamental and applied research on which it develops its bachelor, master and doctoral curricula in economics, management and business informatics. Excellence, innovation and diversity of the educational process are achieved through the highest quality levels of academic study programmes.

The Faculty is characterised by openness to the latest trends in education and research (science), and the ability to constantly adapt to the changing business environment. Intense observation and adopting relevant changes in the national and international environment have enabled the Faculty to change its business model frequently, especially in terms of permanent innovations in its organisation and curricula, and adapting to European standards. As a significant regional focal point, the Faculty has intensive and meaningful international co-operation, finding and developing various forms of liaising and joint action in the interest of overall regional development. The Faculty's close relationships with the local, national and international business community additionally provide and enrich the research and educational milieu. The institution is the meeting place of tradition and
contemporary ideas, as well as theory and practice. During 56 years of its existence, the Faculty has been striving to integrate its educational and research expertise in an effort to accomplish synergy between these processes, enhancing the quality of life in Serbia and Southeast Europe region.
PROGRAMS

Business Informatics

Students enrolled at this programme are trained to develop and integrate declarative and procedural knowledge in the domain of business informatics, which, as a scientific discipline, is multiepistemic, multiparadigmatic, multisystem, multidisciplinary, multimethodological, and multitheoretical. With the competencies acquired in this programme, students may conduct original research, participate in national and international research projects, with the intent to manage knowledge, i.e. systematically, explicitly, and willingly develop and apply knowledge in order to maximise effectiveness of society and organizations dependant on the particular knowledge. The specific purpose of this programme is to develop research and educational capabilities that should attribute to the development of information technology and further digitalization of business processes and products for achieving the digital evolution and adjusting to doing business in the digital era.

Business Information Systems

This four-year programme (240 ESPB) combines knowledge and skills from the domains of informatics, management, and business, in line with the interdisciplinary nature of business informatics. The innovated study programme is based on standards and recommendations by global professional associations AIS, ACM, and IEEE, and aligned with similar study programmes worldwide. Skills and knowledge covered by the program are applicable in small and medium enterprises, both in the private and the public sector. Competences covered by the study programme provide graduates with a wide array of career choices is software development, ERP adoption, business intelligence, digital transformation management, business process management, along with particular skills aimed at supporting their own entrepreneurial endeavors. Students have the opportunity to sign up for practice with numerous successful Serbian and international software companies, as well as to gain valuable experience with software products by renowned providers, such as SAP, Microsoft, and IBM. Industry partners are offering scholarships for best students enrolled in this programme.

Highlights

- New, state-of-the-art Business Informatics programme
- Student practice opportunities with the Faculty's industry partners
- Wide array of career choices for future graduates
- Relevant skills and hands-on experience with industry-leading software products
- Scholarships available

Business Information Systems

Students enrolled at this programme are trained to understand the principles of information technology, to apply their understanding and knowledge in various professional areas, as well as to apply a systematic approach in the development of information systems. Students’ competencies are principally related to all activities within the information systems development lifecycle. Students master relevant methods and techniques for modelling, requirement elicitation, system analysis, design and implementation. Acquiring the competencies, students are able to individually develop software solutions within a particular environment, professionally and in line with user requirements. With knowledge and skills gained on this study programme, they may be employed both by organisations professionally involved in the development of information systems, or private/public entities that develop their own information systems.
Highlights

- business informatics
- information systems
- software development
- O-O analysis and design
- business

Business Information Systems

Students enrolled at this programme are trained to utilize interdisciplinary and multidisciplinary skills and knowledge to implement the process-oriented concept of business, process analysis and modelling, performance management, and business data analysis. With the competencies acquired, they may be employed as consultants for ERP implementations, experts in the development of e-business models, or experts in business intelligence.
SLOVENIA

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Department of Informatics
University of Maribor, Faculty of Organizational Sciences
Kidričeva cesta 55a
SI-4000 Kranj
Slovenia

Contact: Borut Werber, Andreja Pucihar
Institution website: www.fov.um.si/sl
EDUGlopedia: eduglopedia.org/department-of-informatics-university-of-maribor-faculty-of-organizational-sciences

ABOUT

The Faculty of Organizational Sciences is a member of the University of Maribor and has a seat in Kranj. With more than 60 years of tradition in the field of education and scientific research - within the PEOPLE-PROCESSES-INFORMATION triad that forms the foundation of expert and managerial work in organizations - the Faculty has seen more than 15,000 of its students graduate. The Faculty of Organizational Sciences covers the theory and practice of organizing business and work systems, information systems, human resource and educational systems.
PROGRAMS

Organization and Management Of Information Systems

The basic objective of the master's study programme ORGANIZATION AND MANAGEMENT OF INFORMATION SYSTEMS is to educate information systems professionals who have wide business knowledge and perspectives and a good understanding of the real world.

In addition, they must have good analytical skills as well as the ability of critical thinking. Therefore, the students must:

- Be problem solvers and critical thinkers,
- Apply system concepts in the understanding and definition of problems,
- Be able to apply classical as well as new concepts and knowledge,
- Understand that the system consists of people, processes, hardware, software and data.

They must show solid ethical principles and have the ability for good interpersonal communication and ability for teamwork.

The objective of master's study is also to train a student so that he knows how to design and implement solutions with information technology, so that he improves the functioning of the organization. Therefore, a graduate must be able to:

- Understand and model organizational processes and data, define and implement technical and process solutions, manage projects and integrate systems,
- Master techniques for collecting, converting, transferring and saving data and information,
- Apply information technology to aid individuals, groups and organizations in achieving their objectives.

Highlights

- available hardware and software
- up to 50% of on-line work depending on course
- lectures organized in block system

ORGANIZATION AND MANAGEMENT OF INFORMATION SYSTEMS - Undergraduate - Professional higher education study

The basic objective of the professional higher education study programme ORGANIZATION AND MANAGEMENT OF INFORMATION SYSTEMS is to train graduates, so that they will be able to prepare professional bases in organizations in numerous fields of information systems and ICT. A special emphasis of the programme lays on the engineering of information systems, accumulation of knowledge about methods, correct choice of methods for problem solving, use of analytical methods, exact search for solutions or rejection of inappropriate solutions, distinguishing of significance of elements and optimal usage of given resources. The development of information systems, their establishing and control over functioning, formulation of new solutions, etc., which are based on the creativity of the employees, are not limited only to enterprises, but are also becoming a domain of public services, such as public administration, educational institutions and consulting agencies.

A graduate masters analysis and solving of organizational-information problems in a business process of an organization. He is qualified for information systems management and for developing and introduction of proper software solutions.

The professional higher education study programme Organization And Management Of Information Systems, comprises three years (6 semesters). Each year is evaluated with 60 ECTS credits, so, the whole programme comprises 180 ECTS credits.

www.eduglopedia.org
Highlights

- available hardware and software
- up to 50% of lectures as online courses
Faculty of Economics
University of Ljubljana
Kardeljeva ploscad 17
1000 Ljubljana
Slovenia

Institution website: www.ef.uni-lj.si/en
EDUglopedia: eduglopedia.org/faculty-of-economics-university-of-ljubljana

ABOUT

Faculty of Economics University of Ljubljana is a triple-crown (EQUIS, AMBA, AACSB) accredited business school in Slovenia, Central Europe. Supply chain management is one of its flagship teaching and research areas. At the 10th Eduniversal World Convention, held between 8 and 12 November 2017 in Dubai, the Faculty of Economics of the University of Ljubljana was proclaimed the second best school in Eastern Europe.

The FELU is both a national leader and an internationally recognised academic and research institution in the fields of business and economics. We strive to become perceived as the world-renowned institution for the quality of our academic programmes and achievements in education and research.

www.eduglopedia.org
PROGRAMS

Business Informatics

Business informatics is one of the key areas that enables organisations to improve their efficiency and performance as well as gain a competitive edge in the market through business model redesign and business process redesign and informatisation. It should not be equated with computer science and informatics or information technology (IT) alone because it is much more than that. IT is only one area of expertise of business information specialists and, when applied correctly, a means which can boost the informatisation of business processes in organisations. Business Informatics combines the areas of business knowledge, knowledge of management and social skills as well as business use of information technology.

Highlights

- Business, not IT oriented
- Faculty is among the leaders in the world in research in business process management
- Faculty is active in consulting in the area of business process management, business analytics and IS management
- A lot of hands-on work
- Practically oriented

Business Logistics

Business Logistics is an interdisciplinary programme with renowned award-winning lecturers and researchers from different fields that have strong ties in research and business community.

The programme offers international exchange opportunities, has several guest lecturers from business and prepares students for a wide array of employment opportunities by using modern learning methods (e.g. interactive games) in small groups.

Highlights

- Renowned and award-winning lecturers and researchers
- Presentations of best practices by guest lecturers
- Educational tours to partner companies and universities
- Case-based approach to lecturing
- High employability in domestic and international companies
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:
ABOUT

We are the only authorised Fashion Design School in Northern Spain, located in a modern student city of about 700,000 people, Zaragoza. For 20 years we have catered students in the region offering an appealing academic choice where they can have a more personal and creative space to be themselves.

Our degree in Fashion Design allows students to acquire all the necessary skills to carry out a profession to the highest standards. However, we do not want to lose our “boutique academy” feeling and give great value to small classes and individualised attention.

Professional internships are integrated in your 2nd and 3rd years and you will receive ECTS credits for them. We have a solid reputation amongst fashion companies and studios and internships, work offers and career guidance are available through our Careers office.
PROGRAMS

Bachelors in Fashion Design

HC College of Fashion in Spain offers you competitive, hands-on and innovative training for you to be yourself and succeed in the fashion industry.

- Do you dream of creating your own fashion collection, managing a production team, creating and selling your own accessories abroad?
- Have you always dreamed of expanding your horizons, discovering a new country and a new culture?
- Do you want to stay away from regular ‘mass’ education and are looking for a fashion school with a “boutique” feeling?

We want to move away from traditional mass education and passive learning and will encourage you to set your own goals. HC is the only College in the national territory that has implemented the EBI Learning System - an innovative pedagogical system that allows you to progress following your own learning paths with the support of your teachers.

Highlights

- internships
- Practical
- Spanish and English
- Accommodation provided
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
STOCKHOLM UNIVERSITY

Department of Computer and Systems Sciences-DSV
Stockholm University
Postbox 7003,
Borgarfjordsgatan 12, Nodhuset,
16407 Kista
Sweden

Contact: Uno Fors
Institution website: dsv.su.se
EDUglopedia: eduglopedia.org/department-of-computer-and-systems-sciences-dsv-stockholm-university

ABOUT

Since 1878 Stockholm University has been characterised by openness and innovation. A modern university with a multicultural environment, Stockholm University is one of the world’s top 100 higher education institutes. 70,000 students, 1,800 doctoral students and 5,000 staff are active within science, the humanities and the social sciences.

Education and research at Stockholm University make a difference. The University contributes to individual and social change through top quality education and outstanding research. Our researchers contribute to the development of public policy and political decision making, and participate in Nobel Prize Committees and international expert bodies.

Stockholm is a cultural hub and economic centre, with many green areas and surrounded by water, making it an ideal place in which to enjoy a relaxed and exciting student life.

The Department of Computer and Systems Sciences (DSV) is Stockholm University’s largest department, in 2013: 291 employees, nearly 7,000 students, and a turnover of over SEK 238 million. With a close relationship to society, well established infrastructure and stable financial base, DSV has the best conditions to engage in both Swedish and international education as well as research.

DSV is the oldest Information Technology (IT) department in Sweden and began combining Systems Sciences in a Social Sciences perspective with Applied Computer Science and Communication Technologies as early as in the 1960’s.

The academic activities at DSV range over a wide field characterized by interdisciplinary and are focused on developing and adapting the use of IT to the needs of people, organizations and society.

DSV is located in Kista in Stockholm, right in the middle of one of the world’s leading ICT clusters Kista Science City, where there are more companies and research institutes in a limited area than anywhere else in Sweden. This provides DSV with unique opportunities to link our academic activities to the industry and organizations, and together we are able to create new
business ideas, community services, and cultural and creative industries with the support of IT.

DSV belongs to the Faculty of Social Sciences at Stockholm University.

DSV has four units: ACT in Communication with Technology; Information Systems; Interaction Design and Learning; and Systems Analysis and Security. The bachelor programs are taught in Swedish. All master programs and Ph.D research studies are given in English.
Business information systems and service design

Highlights

- Business information systems
- Service design
- Service innovation
- Enterprise architecture and Modelling
- Business process modelling

Computer and Systems Sciences

The Master’s Programme in Computer and Systems Sciences at Stockholm University offers you the opportunity to expand your knowledge in IT Systems. You will not only learn the theories, methods and tools but also learn how to practice. At Stockholm University, you learn how to efficiently develop advanced computer systems, software systems, using both agile and standard system development methods.

The programme helps you to develop soft skills along with technical skills such as understanding the needs of users, practicing in group dynamics and project management. The Programme is to a large extent project and problem oriented.

Computer and Systems Sciences

The objectives of the postgraduate program are:

- to give the student both general and specific knowledge in the area of computer and systems sciences/human-machine-interaction and in some related application areas,
- to train the student in independent research, i.e., to solve theoretic as well as practical problems using scientific methods, and
- to critically analyse existing research.

The postgraduate studies are aimed as a preparation for independent work, in research and education, both within and outside the university.

Decision Support and Risk analysis

Decision problems pop up almost everywhere, and a proper handling of them is fundamental for a well-functioning society. It is, therefore, somewhat paradoxical that even complicated decisions still to a large extent are based on intuition and not supported by adequate tools. A possible reason for this is that the latter are based on algorithms that in most cases can only be executed on computers.

In this programme, which consists of courses given at a distance and in accordance with your preferred timetable, you will learn how to structure decision problems and risk analyses. Moreover, you will acquire a solid knowledge of the theoretical underpinnings of various decision support systems including an advanced one developed by researchers at DSV. Hence you will have the qualifications needed to give well-founded advice to decision makers in almost any domain after having completed the programme.

Highlights

- Decision support
- Formal analysis
- Risk assessment
- Risk management
- Decision Sciences

Economy and IT

This is a joint bachelor program between DSV and the business school at Stockholm University.
Health Informatics

Health informatics is a field that covers the study of methods and techniques for the collection, management and evaluation of medical information. Health informatics is important for the efficiency of information management in clinical research and healthcare and, ultimately, for achieving safer high-quality care provision.

This master program is cooperated with Karolinska Institute.

Highlights

- ehealthcare, IT for healthcare
- Data Science
- Healthcare IT management

ICT for Development

Our vision for this master’s programme, Information and communication technology for development (ICT4D), is to prepare individuals who are ready and able to initiate and implement sustainable change with rigor in developing regions. Our goal is to train graduates who will be aware of the many challenges of development work and able to face them creatively and innovatively. As a student in this program, you will play an active role and we expect you to grow into a bold, knowledgeable and motivated Change Agent contributing to environmental, economic and social sustainability.

Highlights

- ICT for development
- IT challenges
- IT innovation for development regions
- Online master program

Information Security

Information Security is certainly one of the most exciting and ever-growing areas within IT. Global IT security spending is projected by business magazine Forbes to possibly increase tenfold in the coming decade (from around 60 billion euros to 600 billion euros per year). This type of growth will have far reaching impacts on the job market for graduates from advanced studies in information and cyber security. The demand for educated information security specialists is already very high, almost always among the first top jobs in IT and in the coming years it is expected to continue its growth almost exponentially.

Stockholm University pioneered academic research and education in information security in Sweden in the 1960s. The university has since then turned out thousands of graduates who are now part of academia and industry around the globe.

Graduates of this programme are ready to work in the area of information security and related fields in both private and public sector organisations as managers, advisors and specialists providing professional and expert know-how.

Information security is primarily concerned with the protection of information assets. Today, most of the information resides in - and is communicated via IT systems. Hence, these systems need to be protected from various threats and attacks. The goal of information security is to protect with respect to the information its confidentiality, integrity and availability. Naturally, it all depends on the business needs and legal requirements. The area of information security is both exciting and over-reaching since it also entails the protection of the essential and critical cyber infrastructure, trying to prevent or solve a wide range of computer crimes and other illicit activities, as well as protecting human rights, freedom and democracy. One of the many objectives is to devise new methods and strategies for cyber readiness and defence.
Information Security
Network security
Cyber security
Cyber Forensics

Information Society (Human computer Interaction)
The objectives of the postgraduate program are:

- to give the student both general and specific knowledge in the area of computer and systems sciences/human-machine-interaction and in some related application areas,
- to train the student in independent research, i.e., to solve theoretic as well as practical problems using scientific methods, and
- to critically analyse existing research.

The postgraduate studies are aimed as a preparation for independent work, in research and education, both within and outside the university.

Information systems Management
Master's programme in Information Systems Management will help you develop a better planning, management and technical skills that are necessary for leading any organization in today's complex, digital world.

The programme focuses on the design, implementation, usage, and evolution of information systems. You acquire in-depth knowledge about information systems design and architecture including requirements engineering, service oriented architectures, and agile systems development. You get a strong understanding of the role of IT in supporting and transforming organizations and networks, including value network design, enterprise systems, business process management, business intelligence, decision support, and knowledge management.

Marketing communication and IT
This is a joint bachelor program with the business school at Stockholm University.
Highlights

- Information Systems, Internet Marketing, Digital Marketing strategy
- Marketing theories
- Public Relationship

Open e-government

Master’s programme in Open eGovernment provides you with planning, management and technical skills necessary for leading and transforming public organisations to be open, inclusive, innovative, flexible and effective using Information and Communication Technology (ICT).

The programme is given as a set of distance courses and can be studied in accordance with your preferred timetable. Thereby, the programme can be studied wherever you are located in the world, and can easily be adapted to your studying and working situation. The program also contains non-mandatory workshops, one each semester, at the campus in Kista, just outside Stockholm. During these workshops, students can meet other students, teachers and experts in the area of e-Government, and visit eGovlab, a center for excellence in e-governance at Stockholm University.

Highlights

- E-government
- Public Service Design
- IT for government
- Online master program
Luleå University of Technology

Information Systems
Luleå University of Technology
97187 Luleå
Sweden

Contact: Tero Päivärinta
Institution website:
www.ltu.se/research/subjects/information-systems?l=en
EDUGlopedia: eduglopedia.org/information-systems-lulea-university-of-technology

ABOUT

Luleå University of Technology is located in the northern part of Sweden and Scandinavia. Luleå University of Technology is experiencing strong growth with world-leading competence in several areas of research. The university has 40 years of tradition excellent relations to the industry. Research is conducted in close cooperation with companies such as Bosch, Ericsson, Scania, LKAB, SKF and leading international universities. Luleå University of Technology has a total turnover of SEK 1.6 billion per year, have 1,700 employees and 16,000 students.

At LTU, Information Systems (IS) is defined as an inter-disciplinary research subject, which covers design and use of information technology in relation to people, organizations and societies. IS-related research relates mainly to the strategic research area of Enabling ICT. Several research projects have recently focused on such areas as Digital Service Innovation, Information Security, and Sustainable Data and Information Management. The IS department is home to more than 10 PhD students and 10 IS researchers including 3 professors and international visiting staff.

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PROGRAMS

Bachelor of Digital Service Innovation

Digital service development programme has a close cooperation with industry which gives students the experience of working in real projects and building future network. The programme focus on those who are interested in design, technology and economy with a focus on designing digital services of the future society. The programme rests on three legs: Design, business and technology. The programme focuses on how to make services appealing, how to do a digital service for-profit and how to create the technical platform for the digital service. Students acquire an understanding of user participation in innovation and how to involve them. This programme is only offered in the language of Swedish.

Highlights

- Small groups
- Industry contacts

Bachelor of Systems Sciences

As a systems analyst, students develop, implement and improve information and communication in interaction between people, business and technology. The program can be read with an international profile and it will also remotely. The program offers a great variation and students can choose their own profile including an international profile. As a student you learn how to develop information systems for a business, private or public. Students acquire expertise relating to programming, databases and design for different operation, but also an understanding of a business as whole and how an IT functions works. As an employee after the education, students can work with a variety of tasks depending on the profile. This programme is only offered in the language of Swedish.

Highlights

- Can take part of the programme on campus or distance
- Can choose between bachelor, magister or master level
- Create a specialized profile

Master of Information Security

The program focuses in safeguarding organizational knowledge, information systems, and continuity of its ICT-services. The programme has existed since 2007 and attracts students from around the world. Students from within the EU/EEA and Switzerland will not be charged fees. Being a student in the international information security program means an active search for knowledge, problem solving, and critical analysis based on a scientific approach. The working methods vary between individual study, group work, seminars and lectures. The core courses of the program provide a socio-technical understanding of the field and the related challenges. The program also includes elective courses through which the student can specialize in security management or security engineering according to available courses and interests. The program consists of a total of 120 credits out of which 90 credits are compulsory courses at advanced level in the area of Information Security.

Highlights

- Very high quality the Swedish National Agency for Higher Education
- MSc is available via distance
- 100 % employment rate of graduates
- No fees for students from within the EU/EEA and Switzerland
Informatics
Lund University School of Economics and Management
Ole Römers Väg 6
22363 Lund
Sweden

Contact: Nicklas Holmberg
Institution website: www.ics.lu.se/en
EDUglopedia: eduglopedia.org/informatics-lund-university-school-of-economics-and-management

ABOUT

Lund University was founded in 1666 and is repeatedly ranked among the world’s top 100 universities. The University has 41 000 students and more than 7 500 staff based in Lund, Helsingborg and Malmö. We are united in our efforts to understand, explain and improve our world and the human condition. Lund is Sweden’s most attractive study destination. The University offers one of the broadest ranges of programmes and courses in Scandinavia, based on cross-disciplinary and cutting-edge research. The compact university campus encourages networking and creates the conditions for scientific breakthroughs and innovations. The University has a clear international profile, with partner universities in over 70 countries.

About the School of Economics and Management

The activities within Lund University School of Economics and Management cover research and education in business administration, business law, economic history, economics, informatics, and statistics, as well as research policy. About 41 000 students and 400 researchers, teachers and other staff members study and work at the School. The School of Economics and Management provides a well-profiled, research-based education that is international and multidisciplinary in nature and helps equip our students to hold key positions in industry and society in an increasingly globalised world. Our students can choose from a wide range of specialist subjects and attend lectures by some of our best researchers, international guest professors, and

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business leaders from a broad spectrum of sectors and organisations.

**About the Department of Informatics**

The Department of Informatics at Lund University School of Economics and Management strives to be recognised as a leading Informatics education and research centre. Education in Informatics/Information Systems is given on undergraduate, graduate and postgraduate levels.

We coordinate a 3-year Bachelor's programme and a 1-year international Master's programme in Information Systems. We also offer single subject courses for those who want to combine their own degree in Informatics.
PROGRAMS

Design of Information Systems

The undergraduate programme focuses on making ICT (Information and Communication Technology) more accessible and useful for individuals, organisations and the community. The programme has a broad scope and a multidisciplinary orientation.

The major subject is Information Systems. Other mandatory courses within the programme are Group Dynamics, IT Law, IT and Organisation and Project Management.

The BSc in Information Systems is a three-year programme which starts every autumn semester. The programme is given in Swedish.

Highlights

- EQUIS-accredited
- Integrated business and technology curriculum
- Industry-integrated projects
- Capabilities-driven pedagogy
- Active and experimental learning environment

Information Systems

The Master’s Programme in Information Systems is a one-year programme, coordinated by the Department of Informatics. The programme is given in English and starts every August.

The Master’s in Information Systems provides you with outstanding career opportunities. After graduation you can pursue careers all over the world in positions such as: systems architect, IS/IT consultant, IS designer, IS/IT project manager, UX designer, business and system analyst, business process engineer, systems analyst and business intelligence analyst.

We offer you a world class programme that provides you with the tools and skills to design, develop and implement systems that solve important organisational and societal problems.

You will learn how information and communication technologies can be used to achieve strategic goals. Emphasis is put on how to design and develop modern information systems, which are mobile and flexible to the goals and needs of the organisation. You will gain a deeper understanding of the wider business context of information systems and how they should be designed to reach sound technical performance and interaction qualities, such as usability.

The courses are designed to help you practise the theory, models and tools on real and complex problems in information systems, as well as its design and development. The programme is capabilities-driven, where you acquire specific valuable design capabilities and skills within the area of information systems. You will be expected to demonstrate the skills and ability to design information systems in order to achieve improvements and innovative change in organisations and society. You will learn how to apply theories, design methods and tools for the development of information systems. You will also learn how to participate in and manage IS-related change and innovation projects in national and international contexts.

In a national audit of degree programmes, our Master’s programme in Information Systems received the highest quality grade available.

Course content

Programme modules/courses (7.5 ECTS credits each): Business Intelligence, Business Decision

**Career opportunities**

Graduates are in high demand as organisations rely on information systems experts to understand, design and develop systems that help them remain competitive in today's global marketplace.

The programme prepares you for a career in international firms and organisations, for example, systems architect, IS/IT consultant, IS designer, IS/IT project manager, UX designer, business and system analyst, business process engineer, systems analyst and software engineer.

Former students have found work at companies such as Goldman Sachs, Tetra Pak, Capgemini, IBM, Microsoft, Sony Mobile, Ericsson, PWC, IKEA, Sigma, Qlik, Accenture and EY. Some graduates have also started their own businesses.

The programme is also an excellent preparation for PhD studies.

**Highlights**

- EQUIS-accredited
- Mixed group of international students
- Capabilities-driven pedagogy
- Received the highest available quality grade in a national audit
- Strong placement rate
UMÉÅ UNIVERSITY

Department of Informatics
Umeå University
MIT-huset, Campusaget 5
90187 Umeå
Sweden

Contact: Jonny Holmstrom
Institution website:
www.informatikumu.se/english/?languageId=1
EDUglopedia: eduglopedia.org/department-of-informatics-umeaa-university

ABOUT

Umeå University was founded in 1965 and is Sweden's fifth oldest university. Today, we have a strong international presence with students, teachers and researchers from all over the world. As one of the leading comprehensive universities in the nation, we are alive with enthusiasm, innovation, creativity and fresh ideas.

We have developed interaction between research, education, collaboration and innovation that challenges boundaries and plays a crucial role in the region's development.

The University is a dynamic meeting place where interdisciplinary knowledge is generated and disseminated. Creative environments attract students, researchers, teachers and collaborating partners nationally and globally.

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PROGRAMS

Master of Digital Fabrication and Innovation

The programme is designed for students seeking to gain skills in harnessing the challenges and opportunities linked to digital fabrication and its associated maker-movement. The programme integrates knowledge from the fields of social sciences, humanities, engineering, and design. It is offered in close collaboration with industrial partners and the local entrepreneurial ecosystem. After graduation, you will be well prepared for conducting qualified tasks in digital fabrication and innovation in for example R&D-labs of large organisations, or in start-ups. This could consist of professional responsibilities related to designing new digital products, services, and processes. Possible careers for a student with a Master's Degree in Digital Fabrication and Innovation include roles as a consultant, researcher, project manager, product developer, designer, within the realm of digital fabrication and innovation.

Highlights
- Project Driven
- Industry collaborations
- Digital fabrication tools and techniques (e.g. CAD/CAM, 3D-printing).

Master of IT Management

The master's programme in IT management is designed for those who want to affect the ways in which IT is applied to make a positive change. The programme gives you the opportunity to combine knowledge from your bachelor studies with new insights on IT and its application in business and organizing through projects, case work and thesis work. The program thus gives you the possibility to develop a unique competence profile. With a master's degree in IT management you are equipped to act as the link between organizations and IT. You have a strategic perspective and see the development potential in new IT. You have the capability to evaluate organizations and businesses, design appropriate IT solutions, and manage changes in the organizational process required for implementing a new IT solution. The program gives you the skills to work with a scientific approach and prepares you for qualified tasks in areas such as evaluation work, planning, and development work.

Highlights
- Digital Innovation
- Project Driven
- Collaboration with the industry

PhD in Informatics

Graduate studies comprise the equivalent of 160 weeks (four years) of full-time work for a doctoral degree. These studies include the equivalent of 100 weeks of work on the doctoral thesis. The rest of a student's time is devoted to graduate courses and project work.

Education for a PhD is carried out in close collaboration with leading researchers at the department. The PhD education is not focused on any specific topic within Informatics. Rather, the diversity in both subjects and methods at the department enables PhD students to choose their own subject of research but the content of the thesis should be within the framework of existing research at the department.

The group of PhD students consist of Swedish as well as international students, several connected to national research schools. Positions and deadlines are advertised on the department's and university's webpage.

Highlights
- Research focus
- International collaborations
- Diverse methods and contexts
DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

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ABOUT

The Institute of Information Systems educates future leaders to leverage the potential from information technology in organizations. Our research and teaching links important technological trends, such as social media, big data, cloud computing, and software ecosystems to core areas of the information systems discipline, such as e-business, global IT sourcing, process management, and knowledge management.
PROGRAMS

Master of Business Administration with Focus Areas in Information Systems

Students complete a master's in business administration with focus areas in information systems. These focus areas cover hot topics such as big data, social media, and cloud computing, and fundamental information systems topics such as IT management and e-business. Our teaching combines hands-on experience with strong theoretical foundations.

Highlights

- Social Media
- Big Data
- Enterprise Cloud Computing

Minor in Information Systems

Students acquire fundamental skills in important information systems topics. The courses cover a range of topics, with a focus on business and organizational issues of information systems. Students can choose a minor in information systems or choose a major in business administration, which includes courses in information systems.

Highlights

- Use of Case Studies
- Current Topics such as Big Data and Open Data
Established in 2004, the College of Management of Technology (CDM) has an aligned focus on research and teaching in the areas of Management Science with close ties to Engineering and Technology. Moreover, it infuses the EPFL campus with an entrepreneurial spirit, encourages cross-disciplinary partnerships and undertakes a comprehensive approach to industrial issues and public policy.

The College is composed of three institutes, the Management of Technology and Entrepreneurship Institute (MTEI), the Swiss Finance Institute at EPFL (SFI@EPFL), and the Institute of Technology and Public Policy (ITPP).

The CDM offers two Master programs - in Management, Technology and Entrepreneurship (MTE) and Financial Engineering (MFE) - as well as two Doctoral programs - in Management of Technology (EDMT) and in Finance (EDFI). These successful teaching programs ensure a promising first-class education to prepare students for leading careers in academia and industry. An assessment of the past four years has brought to light a steady increase in the number of applications for all degrees. The programs attract talented students from many faculties and sciences.

Furthermore, the CDM additionally proposes three executive Master programs in partnership with other outstanding universities. The current offer covers executive Masters in Innovative Governance of Large Urban Systems, Global
Supply Chain Management and Management of Technology. The College plans to expand and diversify this portfolio in the near future.
Many of the core challenges encountered in the business world today are situated at the intersection of technology and management, and require fast and innovative ("entrepreneurial") solutions. To meet those challenges successfully, professionals must be able to bridge the worlds of technology and of management, understand the functioning of modern business organizations in a holistic manner, be able to "think out of the box" in order to develop new approaches, manage a variety of firm-internal processes and engage with external stakeholders.

The Master of Management, Technology and Entrepreneurship is a highly selective 120 credits program which includes 3 semesters of courses and a 6-month master project carried out in the industry.

The curriculum of the MTE master is mainly in English and consists of:

- Core courses (28 credits)
- Disciplinary minor (30 credits)
- Choice between 3 orientations (20 credits)
- Electives (12 credits)
- Master project in the industry (30 credits)

Highlights

- International networks
- International team of professors
- Industry contacts
- Innovative spirit coupled with excellent infrastructure
- Unique profile bridging the worlds of technology and business in a large variety of organizations (from small start-ups to large established firms; consulting firms, public organizations)
Faculty of Business and Economics (HEC)

UNIVERSITY OF LAUSANNE

Faculty of Business and Economics (HEC)  
University of Lausanne  
Campus Dorigny  
Internef Building  
1015 Lausanne  
Switzerland

Institution website: www.hec.unil.ch  
EDUglopedia: eduglopedia.org/faculty-of-business-and-economics-hec-university-of-lausanne

ABOUT

Founded in 1911, HEC Lausanne, the Faculty of Business and Economics of the University of Lausanne (UNIL) trains capable, responsible economic leaders and entrepreneurs and generates ideas which mark their time. HEC Lausanne is regarded as a high quality academic institution, offering high-grade management and economic education and conducting prolific and visible research across various fields of business studies. Located on the shores of Lake Geneva, our school is at the center of an exceptional cultural network and at the heart of a vibrant business community made up of multinationals and SMEs.

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PROGRAMS

Master of Science in Information Systems (MSc IS)

The Master of Information Systems (MSc IS) is a joint program by HEC Lausanne, one of the leading European business schools, and University of Neuchâtel. For our Master of Information Systems, we have developed a rich and challenging program that significantly increases our students' value on the labor market. Our objective is to provide balanced education along two axes. Firstly, we offer a mix of courses in information system management and information system engineering. Students have to take 5 courses in each of these areas. This gives our students an understanding of the potential and limits of information and communication technology in their implementation within an organization. Secondly, we offer both a solid conceptual foundation and practical skills related to information systems. This will enable our students to easily navigate through the different levels of abstraction required for the design, deployment and management of an information system. Lastly, we note that this master’s degree represents the outcome of the experience we have acquired over more than 30 years, as it is the direct continuation of our former "Postgraduate Diploma in Information and Organization (DPIO).” Our Master's program is among the top 10 IS Master programs in Europe.

Highlights

- Dual competency in IS engineering and IS management
- Promising career paths: business analysis & project management, IT security & audit, business model design & entrepreneurship, Big data & data analytics
- Ranked among the top 10 IS programs in Europe

PhD in Information Systems

The HEC Lausanne doctoral program offers candidates the possibility of acquiring a high level of knowledge through intensive research training. Doctoral studies aim at developing the ability to complete an independent scientific study within an agreed timetable, to make an original contribution to research, and to add to the body of knowledge in the chosen specialist area. Undertaking a doctoral program implies a personal commitment for three to five years. It involves a long course of study dedicated to research, the results of which will be presented in a thesis.
UNIVERSITY OF ST. GALLEN

Institute of Information Management
University of St. Gallen
Müller-Friedberg-Strasse 8
9000 St. Gallen
Switzerland

Contact: Jan Marco Leimeister
Institution website: www.iwi.unisg.ch
EDUglopedia: eduglopedia.org/institute-of-information-management-university-of-st-gallen

ABOUT

For more than 20 years, the Institute of Information Management of the University of St. Gallen (HSG) is dedicated to applied and design oriented research at the interface between business and IT. The team includes 5 directors/professors, 12 project leaders, more than 40 research associates, and 15 research assistants. In addition to research activities, it also offers courses for diplomas either as Executive Master of Business Engineering (EMBE) or IT Business Manager (ITBM).
PROGRAMS

Bachelor of Arts HSG (B.A. HSG)

At the bachelor’s Level you receive a generalist education. You acquire a broad spectrum of knowledge, preparing you for diverse and demanding work.

Assessment Year

Studies begin with the Assessment Year. The objective is to introduce students to our academic subjects as well as requirements and goals in order to help you to find out whether our requirements and areas of focus fit well with your own interests. All students must complete the same curriculum in this first year. From Autumn Semester 2013, the Assessment Year will continue in its time-tested teaching quality, but now in two separate tracks (German/English). This is being done in order to improve teacher/student ratio. There is an option between studying in German (German Track) or in English (English Track).

Bachelor’s Level

After completing the “fixed menu” of the Assessment Year, the Bachelor’s Level offers you an “à la carte” course of study – a broad, individually-focused programme with a maximum degree of freedom. In particular, you can choose from a broad range of elective course offerings and Contextual Studies. From Autumn Semester 2014, the majors in Business Administration, Economics and International Affairs can be completed in a flexible mix of English and German. In the course of their Bachelor’s studies, students must, however, earn a minimum number of credits from core studies’ courses in German and English. Language courses are on offer.

First qualifying degree for a career

After acquiring the Bachelor's degree, you may either continue studying at the Master's Level or enter the working world: The Bachelor's degree is conceived as a professional qualification which allows you to gain your first practical experience.

Credits

The B.A. HSG degree requires completion of 180 ECTS credits, including the Assessment Year (60 ECTS). ECTS stands for European Credit Transfer System. One credit point is equivalent to 30 hours of work at the University of St.Gallen, including lectures, independent studies, semester projects and examinations.

Our Bachelor programmes (majors) have a regular duration of two years. The allowed number of semesters for the bachelor’s Level is limited to 10 semesters.

As opposed to the Assessment Level, you must now decide on one of five majors.

The five majors available are:

- Business Administration (English and German)
- Economics (English and German)
- International Affairs (English and German)
- Law
- Law and Economics

Elective subjects

The major can be intensified or broadened with elective subjects, making it possible to individualise the degree course. A third of the courses of the Contact Studies are available for this purpose. You can make this selection from the courses from the University of St.Gallen, and with some limitations, also from other programmes at other universities.

The three-pillar model of course remains in place at the Bachelor’s Level. You therefore complete 25% of your course work in the Contextual Studies, where a wide range of courses is available to you regardless of your major.

Highlights

- Assessment Year
- Compulsory Freshers' Week
Master of Arts in Business Innovation

New technologies offer opportunities for new products, business models, processes and types of organisation. The economy needs agents of change who recognise the potential of new technologies and implement them in business solutions. We combine the traditional strengths of the University of St. Gallen with a business perspective on new technologies and train our students for this continually expanding labour market in all aspects of technology-based changes.

Highlights

- Innovative business models
- Technology perspective
- Business Engineering
- Design Thinking
UNIVERSITY OF ZURICH

Department of Informatics
University of Zurich
Binzmuehlestrasse 14
8050 Zurich
Switzerland

Contact: Michael Boehlen
Institution website: www.ifi.uzh.ch
EDUglopedia: eduglopedia.org/department-of-informatics-university-of-zurich

ABOUT

The University of Zurich is one of the leading research universities in Europe and offers the widest range of study courses in Switzerland.

The Department of Informatics (Institut für Informatik, IfI) is the competence center for Informatics at the University of Zurich. Ten tenured professors, five assistant professors, and approximately 100 PhD students and post-doctoral researchers instruct and conduct research at the department.

IfI is a leading department whose scope extends beyond classical computer science to a new domain that focuses on both computing and human aspects. We address topics such as the aging society, privacy and value creation in a digital age, corporate and societal innovation, and sustainable development as well as the underlying technical challenges of building and understanding large-scale, software-based systems.

IfI concentrates its research on three focus areas: People-Oriented Computing, Computing and Economics, and Big Data Analytics for Economics and the Sciences. We also do research in other areas that are in line with the department’s vision of shaping a human-oriented digital world. Our research results in world-class publications as well as in systems and innovations that help people solve real world problems.

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PROGRAMS

Bachelor of Science in Informatics

The Bachelor of Science in Informatics (with concentration in Information Systems) is a three-year program (180 ECTS credits). It is mainly taught in German.

The assessment level (60 ECTS credits) covers the basics of informatics, business and economics, mathematics, and statistics, while the general compulsory program at the advanced level focuses on key topics in informatics as well as teaching the basics of scientific methods. At the same time, students begin studying specific fields. The Information Systems area of concentration requires them to complete compulsory modules, core elective modules, and elective modules from the areas of information systems and business administration. The study program culminates in a Bachelor's thesis comprising 18 ECTS credits.

The degree awarded is a Bachelor of Science (University of Zurich) in Informatics with concentration in Information Systems.

Apart from Information Systems, the following four programs are available at the Bachelor level:

- Software Systems
- People-Oriented Computing
- Computing and Economics
- Informatics with Natural Sciences

Highlights

- Strong Computer Science part
- Excellent Business and Economics Education
- Many Lab courses

Master of Science in Informatics

This Master's study program in Information Systems broadens and deepens the knowledge acquired during your bachelor's study program, with the aim of enabling you to play an active role in shaping the changes that the economy experiences through informatics. You will combine methods from the spheres of both informatics and management science, allowing you to take a holistic, comprehensive approach toward solving the problems that companies face. The program's emphasis is on the design and management of information systems and IT-based innovations.

You will also learn how to analyze non-standard problems yourself, how to use independent means of acquiring the knowledge you need to do this, and how to develop appropriate solutions. More concretely, you learn how to manage an IT-department, how to analyze and use business information efficiently and effectively, and how to develop and use information systems in a business context. This specialization offers the traditional information systems link between between CS and business.

The Master of Science UZH in Informatik (corresponds to Master of Science UZH in Informatics) provides an advanced academic education in which you will work independently and, for the most part, design your course of study yourself. Master's programs do not only equip you with the tools you need to pursue a high-flying career at an academic level with outstanding prospects, but also enable you to move on to further studies with the goal of a doctorate in Informatics.

Master's programs provide an advanced academic education and allow students to complete independent academic and project-based work. 120 ECTS credits must be completed, consisting of a major study program (90 ECTS credits) and a minor study program (30 ECTS credits).

Apart from Information Systems, the following four programs are available at the Master level:

- Software Systems
- People-Oriented Computing
- Computing and Economics
- Data Science
Highlights

- Ideal combination of business and computer science
- Open course market model allows highly individualized study program
- International student community

- Attractive environment (business, living quality...)

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The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

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SIMON KUZNETS KHARKIV NATIONAL UNIVERSITY OF ECONOMICS

Information Systems
Simon Kuznets Kharkiv National University of Economics
Nauki av., 9a
main building, room 412
61166 Kharkiv
Ukraine

Contact: Oleksii Besedovskyi
Institution website: www.hneu.edu.ua/
EDUglopedia: eduglopedia.org/information-systems-simon-kuznets-kharkiv-national-university-of-economics

ABOUT

Simon Kuznets Kharkiv National University of Economic is a state higher educational institution of the highest IV level of accreditation, it is subordinate to the Ministry of Education and Science of Ukraine. Today Simon Kuznets Kharkiv National University of Economics is a leading specialized higher educational institution in the East of Ukraine, which provides full range of educational services implementing multistage training, retraining and further training for specialists in 26 specialties such branches of knowledge:

- Informatics and Computer Engineering;
- Economics and Entrepreneurship;
- Management and Administration;
- Publishing and Printing Business;
- Service Sphere;
- State Administration;
- Specific Categories.

www.eduglopedia.org
The aim of the Bachelor program is to prepare specialists with professional competence in computer science and information technology programming, data mining, business informatics, web- and mobile technologies, computer graphics modeling, multimedia programming.

The main tasks of Bachelor training are:

- to form a professional capacity, requiring a combination of knowledge, skills and abilities of the computer science theory, computer engineering, and software necessary to identify, analyze and solve problems in computer science and information technology in the development and implementation of software and professional services information systems;
- to generate knowledge and skills necessary to meet the challenges of professional activity, allowing to build and implement long-term trajectory of personal and professional development and learning;
- to create socially responsible behavior in the team and community, understanding and acceptance of social, legal and ethical standards;
- to form a harmonious purposeful personality, enhance the training and skills, to provide knowledge and skills for building a successful career.

Highlights

- information systems and technologies
- computer science
- software engineering
- programming
- business analytics

Computer Sciences and Information Technologies (Business Informatics)

Franco-Ukrainian program of double diploma "Business Informatics"

Organization of the educational process: 120 ECTS credits (4 semesters = 2 years), 3 semesters in S.Kuznets KhNUE (in Kharkiv with the participation of the University of Lyon-2 teachers) and 1 semester mobility and internship (30 ECTS) in Lyon.

The program has received the highest rating A+ in 2010, according to the Agency for the Evaluation Scientific Research of France (Agency for Evaluation of Scientific Research - AERES (France))

According to research SMBG Consulting Group - the program is included in the top 10 Master's programs Business Intelligence in France in 2013, 2014, 2015

This master's program trains specialists with a high level of knowledge in the field of computer science, statistics, business administration, economics. The main objective of the program Business Informatics - training of managers are able to solve business problems, manage the business through information technology. Alumni Activities associated with decision support, organization of corporate systems, reorganization and optimization business. An important component of the program is training in enterprises and the implementation of projects under the guidance of teachers.

The teaching languages are Ukrainian and French.

Students receive European grant for the 4th semester in Lyon.
Computer Sciences and Information Technologies (Business Process Management)

The Master program "Information Systems in Business Process Management" is aimed at training professionals able to model and optimize business processes for enterprises to improve business efficiency, determine the policy of enterprises in the development of their information infrastructure, to ensure the development of joint plans for the strategic development of businesses' information systems and IT organizations' projects.

Highlights

- Computer sciences
- business project management
- project management
- information systems and technologies
- management of innovations
VINNYTSIA NATIONAL TECHNICAL UNIVERSITY

Computer Systems and Automation Department
Vinnytsia National Technical University
Khmelnitske shose, 95
21021 Vinnytsia
Ukraine

ABOUT
Vinnytsia National Technical University is an educational establishment of the fourth level of accreditation well known both in Ukraine and far abroad.

VNTU consists of 8 scientific and educational faculties:

FCSA (Faculty of Computer Systems and Automation)

FCETPEGS (Faculty of Civil Engineering, Thermal Power Engineering and Gas Supply)

FPREEEM (Faculty of Power Engineering, Ecology and Electrical Mechanics)

FITCE (Faculty of Information Technologies and Computer Engineering)

FMBT (Faculty of Machine Building and Transport)

FRETEIE (Faculty of Radio Engineering, Telecommunication and Electronic Instrument Engineering)

FM (Faculty of Management) and seven Integral Institutes, designed for the provision of training process:

Institute of Master's, Post-Graduate and Doctor Degree Studies (InMPDDS)

Institute of Humanitarian and Educational Policy (InHEP)

Institute of Training and Production Integration (InTPI)

Institute of International Relations (InIR)

Institute of Pre-University Training (InRUT)

Institute of Organizational and Methodical Provision of Training (InOMPT)

Institute of Progressive Training Technologies (InPTT)

Institute of Ecology and Ecology Cibernetics (InEEC)

www.eduglopedia.org
Programs

Faculty of Computer Systems and Automation

Education is inextricably linked with scientific activity, and students of the faculty are actively involved in research annually participate in scientific conferences, competitions of student research papers on "Informatics and Cybernetics", "Information, Computing and Automation", "Information Security" "Instrument"; in competitions, especially in nationwide competitions "Programming" and "Computer systems management and automation", which invited the most gifted students from leading universities in Ukraine and abroad. Students FKSA traditionally occupy prizes.

Since 2001 FKSA publishes its own international scientific journal "Optoelectronic Information-Power Technologies," in which students have an excellent opportunity to be published along with his scientific mentors.

Departments FKSA collaborating with leading scientific centers and research institutions in Ukraine and around the world. Supported fruitful relations with a large number of universities around the world.

The faculty are international student branch societies Optical Engineering SPIE and OSA (USA), thus ensuring unique free subscription to magazines and free access to international publications in informatics and optics, communications with leading experts around the world, and the best students receive grants to travel abroad for scientific and technological activities.

Developed by scientists together with students of the Faculty devices were shown at international exhibitions scientific developments and new technologies in Ukraine and many countries of the world and fought for the gold and silver medals, prizes and received rave reviews. Based on FKSA active scientific and technical department of the Vinnytsia regional department of Small Academy of Sciences of Ukraine.

As a result of successful learning, active and social work students, masters, graduate students, young scientists have repeatedly been FKSA personal scholarships of the President of Ukraine, Verkhovna Rada, the Cabinet of Ministers of Ukraine, international funds; winners of numerous international and national competitions and contests; received diplomas of the National Academy of Sciences of Ukraine; won grants from international funds to support research and training abroad. Students FKSA have real opportunities to improve their skills, and learning academically related master's degree abroad.

FKSA known not only for its academic and scientific achievements, but also in particular sports. Among the sports department - master of sports of international class, world championships medalists, champions of Europe, Ukraine.

All students are provided with comfortable hostel.

In addition to stationary forms are extramural training on the job.

FKSA graduates have excellent and absolutely real employment prospects. And not only in Ukraine but also abroad. The high level of education confirmed successful employment and career development of graduates. Many of them occupy key administrative, scientific and technical positions in leading state and joint-stock enterprises, organizations and institutions for computer companies - software developers and agents, in banks and commercial establishments like...
Highlights

- Students of the department study theoretical and applied foundations of computer systems for automated management of enterprises of various industries: industry, banking, medicine, education, etc.
- The Bachelor's degree program is fully coordinated with the leaders of the IT industry in Ukraine – the generalized object of future specialists’ activity are information processing by algorithmic methods using computer technology.
- Therefore, the passage of production practices and subsequent employment at leading IT enterprises in Vinnitsa for all students successfully perform the educational program GUARANTEED.
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Warwick Business School

University of Warwick
Scarman Rd
CV4 7AL COVENTRY
United Kingdom

Contact: Ola Henfridsson
Institution website: www.wbs.ac.uk/
EDUglopedia: eduglopedia.org/warwick-business-school-university-of-warwick

ABOUT

Warwick Business School (WBS) is an academic department of the University of Warwick, originally established in 1967 as the School of Industrial and Business Studies. It is one of the most prestigious and highly selective business schools in the world. Due to the school's historical international outlook its alumni hold leadership positions in corporate, governmental and academic institutions around the globe. The Business School offers undergraduate, postgraduate and PhD degree programs, as well as non-degree executive education for individuals and companies. Its MBA program, known as the Warwick MBA, is offered as a one-year Full-Time program, an Executive MBA and by Distance Learning (blended learning). WBS University of Warwick campus is sited on the border of the city of Coventry and the county of Warwickshire in a semi-rural green belt location. WBS London campus is located in The Shard Tower, currently the tallest building in the European Union.

In 2000, WBS became the first UK business school to hold Triple accreditation: The Association to Advance Collegiate Schools of Business AACSB, the Association of MBAs AMBA and the European Quality Improvement System EQUIS.

(From Wikipedia, the free encyclopedia)
Digital innovation plays a key role in shaping the way organizations operate and compete with each other. This applies not just to celebrated companies such as Airbnb, Facebook and Uber; and to small entrepreneurial start-ups but to companies in almost any industry. The course will show you what developing a business is like in a world where digital technology and entrepreneurship go hand in hand. You will gain both conceptual knowledge and practical skills and will have the opportunity to learn from guest lectures from IT and innovation led companies, who will explain and illustrate the theory by showing how it works in practice.

Each year comprises of 10 modules with opportunities to choose from a wide variety of elective modules offered by WBS and other departments across the University to tailor your studies.

Highlights

- Leading business school environment and brand
- Broad career opportunities in entrepreneurship, consulting and IT
- Good mixture of practical skills and conceptual learning
- Strong academic foundation

MSc Management of Information Systems and Digital Innovation

This program offers six core modules and a selection of elective modules focusing on a variety of current topics in information systems, management and innovation. These include, Digital Business & Workplace Technologies, Data & Business Intelligence, Knowledge Work & Innovation, Enterprise Information Systems, Global Sourcing for Innovation (including outsourcing and crowdsourcing), and Digital Business Strategy & Design. The program puts theory into practice by capitalizing on WBS’ close relationships with IT and consulting organizations, including Ernst & Young, SAP, ARM and Deloitte. All value the program's creative approach to developing IS and management consultants through real-life case scenarios. Deloitte, for example, provide insights on the challenges and approaches to client work by delivering one of the modules with us.

Highlights

- positioned in a world reputed University and business school
- delivered by one of the top IS groups in Europe according to research output
- excellent ties with industry
- high placement rate for our program graduates
LANCASTER UNIVERSITY

Lancaster University Management School (LUMS) is the business school of Lancaster University in Lancaster, England. The School was established in 1964. A full range of subjects are taught, ranging from undergraduate degrees to postgraduate degrees including MBAs, PhDs and post-experience executive education. The Financial Times ranks Lancaster University’s MBA programme 35th in the world (in 2016).
PROGRAMS

E-Business and Innovation (EBIN)

MSc. E-Business and Innovation (EBIN) is a multidisciplinary programme taught by faculty members across Lancaster University Management School (LUMS) and from the School of Computing and Communications (SCC). The EBIN programme is about understanding how to innovate with digital technologies to create new business models, products, and services. The programme is designed for those who want to learn more about shaping innovation in organisations of all kinds, from fast-growing start-ups to established multinationals. In line with this strategic orientation, a careful selection of topics from Management and Computing ensures that the programme enables students to develop a powerful combination of conceptual knowledge and practical skills relating to digital technologies and business innovation.

Highlights

- The Times University of the Year 2018
- UK Top 10 University
- UK Top 10 Management Studies
LONDON SCHOOL OF ECONOMICS

Department of Management
London School of Economics
54 Lincoln's Inn Fields
New Academic Building
WC2A 3LJ London
United Kingdom

Contact: Chrisanthi Avgerou
Institution website: www.lse.ac.uk/misdi
EDUglopedia: eduglopedia.org/department-of-management-london-school-of-economics

ABOUT

The Department of Management is home to the study of management and organisations at LSE.

The study of management is above all concerned with developing and using knowledge to invent practical solutions to problems spanning organisations, their enterprises, and their transitions.

The department is committed to advancing the frontiers of the study of management, through its social-science based research, collaboration across the entire LSE, and its engagement with enterprises, organisations, and leaders throughout the world.

We aspire to use knowledge in pursuit of both organisational success and social betterment by cultivating our students’ talents for both inventive problem-solving and practitioner learning, at all points along their educational and professional careers.
MSc Management of Information Systems and Digital Innovation

The Masters in Management of Information Systems and Digital Innovation (MISDI) studies digital innovation in business and government across the world. The internet and mobile technologies are changing drastically the ways we create and share information and open opportunities for new business models, new forms of governance, and new ways for public engagement. This MSc prepares students for leadership roles in the shaping of digital innovation and in the management of the business and social transformation that such innovation unleashes. It is an intellectually rigorous, innovative, interdisciplinary programme that integrates established knowledge on the development and management of information systems with the critical study of emerging domains of digital innovation, such as cloud computing, social networking, and mobile technologies.

Highlights

- Cutting-edge curriculum based on the latest research in the field
- A consulting Bootcamp develops students' practical skills in solving real organisational challenges
- Join LSE’s international community in the heart of central London
Southampton Business School
University of Southampton
SO17 1BJ Southampton
United Kingdom

Institution website:
www.southampton.ac.uk/business-school/index.page
EDUglopedia: eduglopedia.org/southampton-business-school-university-of-southampton

ABOUT

Southampton Business School is part of the University of Southampton, a leading research-intensive Russell Group University in the UK, ranked in the top 1% worldwide.
To be competitive in today's knowledge-driven economy, businesses need to manage an ever increasing range of information sources and technologies, develop analytics capabilities to tap into new sources of "big" data, as well as design processes and platforms that enable them to share this newly gained organisational knowledge among employees. Central to all of this are information systems and knowledge management – the means or processes by which people and organisations, utilising technologies, create or gather, process, store, use and disseminate or share management information and organisational knowledge.

This one-year master's programme introduces students to the effective development, use and management of these systems, and the information and communication technologies (ICTs) that support them. You will also learn to appreciate their strategic applications, and evaluate the implications of technology trends such as social media, cloud computing, business intelligence, big data, etc. for the nature of work and organisational competitive advantage. The MSc emphasises both practice as well as the theories underpinning it, and integrates technological, managerial and social aspects of the subject.

The programme is both suitable for graduates in a more technology-oriented subject (or those with some experience in the IT sector), as well as for recent graduates in general management fields. It provides a strong foundation for those looking to have careers in knowledge and information systems management, or want to carry out research in the discipline.

Please visit our website for further information.

Highlights

- Equips you with the knowledge and skills to stay on top of the changing nature of work and technology
- Gives you the ability to put new technology trends in a broader organisational perspective
- Focuses not just on how businesses develop, use and manage their information systems but also how they may use technologies to create and share knowledge about their customers or business process or as an integral part of a digital technology driven business model
- Uses a learning approach which emphasises critical reflection and discussion of the academic literature and case studies
- Teaching that is underpinned by our team's research in the field and industry examples
Further institutions on EDUglopedia:

Upper Austria University of Applied Sciences
Department of Marketing and Electronic Business

University of Library Studies and Information Technologies
Information Science
EDUglopedia: eduglopedia.org/go/information-science-university-of-library-studies-and-information-technologies

University of Plovdiv "Paisii Hilendarski"
Faculty of Mathematics and Informatics

Center for Industrial Production
Aalborg University
EDUglopedia: eduglopedia.org/go/aalborg-university-center-for-industrial-production

Copenhagen Business School
Department of Digitalization
EDUglopedia: eduglopedia.org/go/department-of-digitalization-copenhagen-business-school

IT University of Copenhagen
Technology, Information and Management
EDUglopedia: eduglopedia.org/go/technology-information-and-management-it-university-of-copenhagen

Tampere University of Technology
Department of Information Management and Logistics

University of Vaasa
Department of Computer Science
EDUglopedia: eduglopedia.org/go/department-of-computer-science-university-of-vaasa

www.eduglopedia.org
Conservatoire National des Arts et Métiers (CNAM)
Computer Science Department
**EDUglopedia:** eduglopedia.org/go/computer-science-department-conservatoire-national-des-arts-et-metiers-cnam

ESC Rennes School of Business
ESC Rennes School of Business
**EDUglopedia:** eduglopedia.org/go/esc-rennes-school-of-business-esc-rennes-school-of-business

Aalen University
Management Department
**EDUglopedia:** eduglopedia.org/go/management-department-aalen-university

Berlin School of Economics and Law
Department of Business and Economics
**EDUglopedia:** eduglopedia.org/go/department-of-business-and-economics-berlin-school-of-economics-and-law

European Business School
Department of Operations Management
**EDUglopedia:** eduglopedia.org/go/department-of-operations-management-european-business-school

Hochschule für Telekommunikation, University of Applied Sciences
Department of Business & Economics
**EDUglopedia:** eduglopedia.org/go/department-of-business-economics-hochschule-fuer-telekommunikation-university-of-applied-sciences

Hochschule Offenburg
Faculty for Business Administration and Industrial Engineering
**EDUglopedia:** eduglopedia.org/go/faculty-for-business-administration-and-industrial-engineering-hochschule-offenburg

Hochschule Ravensburg-Weingarten
Business Informatics (Wirtschaftsinformatik)
**EDUglopedia:** eduglopedia.org/go/business-informatics-wirtschaftsinformatik-hochschule-ravensburg-weingarten

Karlsruhe Institute of Technology
Institute of Information Systems and Marketing (IISM)
**EDUglopedia:** eduglopedia.org/go/institute-of-information-systems-and-marketing-ism-karlsruhe-institute-of-technology

www.eduglopedia.org
Kassel University
Information Science
EDUglopedia: eduglopedia.org/go/information-science-kassel-university

Leipzig University
Information Systems Institute
EDUglopedia: eduglopedia.org/go/information-systems-institute-leipzig-university

Ludwig-Maximilians-University Munich
Institute for Information Systems and New Media
EDUglopedia: eduglopedia.org/go/institute-for-information-systems-and-new-media-ludwig-maximilians-university-munich

Munich University of Applied Sciences
Department of Computer Science and Mathematics
EDUglopedia: eduglopedia.org/go/department-of-computer-science-and-mathematics-munich-university-of-applied-sciences

Neu-Ulm University of Applied Sciences
Faculty of Information Management
EDUglopedia: eduglopedia.org/go/faculty-of-information-management-neu-ulm-university-of-applied-sciences

Pforzheim University of Applied Sciences
Business School
EDUglopedia: eduglopedia.org/go/business-school-pforzheim-university-of-applied-sciences

Provardis School of International Management & Technology
Fachbereich Wirtschaftsinformatik
EDUglopedia: eduglopedia.org/go/fachbereich-wirtschaftsinformatik-provardis-school-of-international-management-technology

Rostock University
Institute of Computer Science
EDUglopedia: eduglopedia.org/go/institute-of-computer-science-rostock-university

Saarland University
IMC AG
EDUglopedia: eduglopedia.org/go/imc-ag-saarland-university
Technische Universität Braunschweig
Business Information Systems / Information Management
EDUglopedia: eduglopedia.org/go/business-information-systems-information-management-technische-universitaet-braunschweig

Technische Universität München
Department of Informatics
EDUglopedia: eduglopedia.org/go/department-of-informatics-technische-universitaet-muenchen

TU Munich
Business Administration
EDUglopedia: eduglopedia.org/go/business-administration-tu-munich

University of Applied Sciences Frankfurt
Business and Law

University of Applied Sciences Mainz
School of Business
EDUglopedia: eduglopedia.org/go/school-of-business-university-of-applied-sciences-mainz

University of Hagen
School of Business Administration and Economics
EDUglopedia: eduglopedia.org/go/school-of-business-administration-and-economics-university-of-hagen

University of Hohenheim
Department of Business Administration & Economics
EDUglopedia: eduglopedia.org/go/department-of-business-administration-economics-university-of-hohenheim

University of Piraeus
Department of Digital Systems
EDUglopedia: eduglopedia.org/go/department-of-digital-systems-university-of-piraeus
University of the Aegean
Dept. of Information & Communication Systems Engineering
EDUglopedia: eduglopedia.org/go/dept-of-information-communication-systems-engineering-university-of-the-aegean

Information Technology, Dublin City University
Open Education
EDUglopedia: eduglopedia.org/go/open-education-information-technology-dublin-city-university

Bocconi University
Department of Management & Technology
EDUglopedia: eduglopedia.org/go/department-of-management-technology-bocconi-university

Piemonte Orientale University
Studì per l’Economìa e l’Impresa Department
EDUglopedia: eduglopedia.org/go/studi-per-l-economìa-e-l-impresa-department-piemonte-orientale-university

Politecnico di Milano
School of Industrial and Information Engineering
EDUglopedia: eduglopedia.org/go/school-of-industrial-and-information-engineering-politecnico-di-milano

Seconda Università di Napoli
Economics and Management
EDUglopedia: eduglopedia.org/go/economics-and-management-seconda-universita-di-napoli

University of Insubria
Department of Theoretical and Applied Science
EDUglopedia: eduglopedia.org/go/department-of-theoretical-and-applied-science-university-of-insubria

University of Verona
Department of Business Administration
EDUglopedia: eduglopedia.org/go/department-of-business-administration-university-of-verona
Kaunas University of Technology
Department of Information Systems
EDUglopedia: eduglopedia.org/go/department-of-information-systems-kaunas-university-of-technology

University "Mediterranean" Podgorica
Faculty for Information Technologies
EDUglopedia: eduglopedia.org/go/faculty-for-information-technologies-university-mediterranean-podgorica

Tilburg University
Tilburg School of Economics and Management
EDUglopedia: eduglopedia.org/go/tilburg-school-of-economics-and-management-tilburg-university

Westerdals Oslo ACT
Department of Technology
EDUglopedia: eduglopedia.org/go/department-of-technology-westerdals-oslo-act

University o Economics in Katowice
Institute of Business Information Systems
EDUglopedia: eduglopedia.org/go/institute-of-business-information-systems-university-o-economics-in-katowice

University of Gdansk
Department of Business Informatics
EDUglopedia: eduglopedia.org/go/department-of-business-informatics-university-of-gdansk

Politechnic of Porto
School of Accounting and Administration of Porto

Universidade de Lisboa
Instituto Superior Técnico
EDUglopedia: eduglopedia.org/go/instituto-superior-tecnico-universidade-de-lisboa

www.eduglopedia.org
Universidade de Lisboa
ISEG (Lisbon School of Economics and Management)
EDUglopedia: eduglopedia.org/go/iseg-lisbon-school-of-economics-and-management-universidade-de-lisboa

University of Coimbra
Department of Informatics Engineering
EDUglopedia: eduglopedia.org/go/department-of-informatics-engineering-university-of-coimbra

University Alexandru Ioan Cuza Iasi
Faculty of Economics and Business Administration
EDUglopedia: eduglopedia.org/go/faculty-of-economics-and-business-administration-university-alexandru-ioan-cuza-iasi

National Research University Higher School of Economics, Moscow
School of Business Informatics
EDUglopedia: eduglopedia.org/go/school-of-business-informatics-national-research-university-higher-school-of-economics-moscow

National Research University Higher School of Economics, Nizhny Novgorod
Informatics, mathematics and computer science
EDUglopedia: eduglopedia.org/go/informatics-mathematics-and-computer-science-national-research-university-higher-school-of-economics-nizhny-novgorod

National Research University Higher School of Economics, Perm
Faculty of Business Informatics
EDUglopedia: eduglopedia.org/go/faculty-of-business-informatics-national-research-university-higher-school-of-economics-perm

Slovak University of Technology
Faculty of Informatics and information Technologies
EDUglopedia: eduglopedia.org/go/faculty-of-informatics-and-information-technologies-slovak-university-of-technology

IE University
IE Business School
EDUglopedia: eduglopedia.org/go/ie-business-school-ie-university
Universidad de Las Palmas de Gran Canaria
Economía y Dirección de Empresas
EDUglopedia: eduglopedia.org/go/economia-y-direccion-de-empresas-universidad-de-las-palmas-de-gran-canaria

University of Alcalá
Polytechnic School
EDUglopedia: eduglopedia.org/go/polytechnic-school-university-of-alcala

Linköping university
IEI
EDUglopedia: eduglopedia.org/go/iei-linkoeping-university

Linnaeus University
Faculty of Technology, Department of Informatics
EDUglopedia: eduglopedia.org/go/faculty-of-technology-department-of-informatics-linnaeus-university

FHS St. Gallen University of Applied Sciences
Institute for Information and Process Management IPM-FHS

Pädagogische Hochschule Graubünden PHGR
Teacher’s college
EDUglopedia: eduglopedia.org/go/teacher-s-college-paedagogische-hochschule-graubuenden-phgr

University of Geneva
Centre Universitaire d’Informatique
EDUglopedia: eduglopedia.org/go/centre-universitaire-d-informatique-university-of-geneva

Kherson State University
Chair of Informatics, Software Engineering and Economic Cybernetics

Kyiv National Economic University
Finance and Economics

www.eduglopedia.org
National Technical University "Kharkiv Polytechnic Institute"
Software Engineering and Management Information Technologies

Loughborough University
School of Business and Economics
EDUglopedia: eduglopedia.org/go/school-of-business-and-economics-loughborough-university

Nottingham Trent University
College of Science and Technology
EDUglopedia: eduglopedia.org/go/college-of-science-and-technology-nottingham-trent-university
AFRICA
DENSITY OF REPORTED PROGRAMS PER COUNTRY – AFRICA

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

A plethora of scholars and practitioners have suggested the dire need for human capacity development for developing economies in the domains of ICT, Engineering, Management and Sustainable Development. Most developing economies face challenges in establishing and sustaining such degree programs, namely, the acute lack of qualified faculty and the exodus of the few graduating talents to the West. The ICT University (ICT-U) is a plausible solution to the aforementioned challenges. The ICT-U is an accredited University offering a hybrid of onsite and online diploma, undergraduate and graduate degree programs. Faculty members come from every continent of the world, hence representing a very globally diverse group. Our curricula and pedagogies are internationally focused and locally relevant to developing economies. The distinctive characteristic of ICT-U is that it goes beyond conventional modes of higher education to provide a creative and challenging educational platform on which scholars can develop their potential. Scholars (sometimes at the undergraduate level also) are required to conduct research, publish and present their research in academic and practitioner conferences and seminars. In the doctoral program, for example, students are required to develop a thesis/dissertation and to publish academic journal and conference papers before comple-
tion of the program. Scholars are individually mentored by international reputed faculty to ensure successful program completion.
PROGRAMS

Bachelor of Science Electronics Engineering Technology with concentration in Power Systems/Renewable Energy

Electronics have revolutionized the world. From iPods and cell phones to personal computers, we use a number of high-tech devices multiple times a day. And individuals with the skills needed to build the electronic circuits that drive these devices are in demand. At The ICT University, you can earn a bachelor's degree in Electronics Engineering Technology (B.Eng.) at one of our campus locations and you could be at the forefront of a growing industry. Some of your courses will be taught online and you will get to interact (live) with professors from the US and students from multiple countries.

The Bachelor of Science in Electronics Engineering Technologies is a program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of electrical and electronic systems and their components, including electrical power generation systems; and the analysis of problems such as superconductor, wave propagation, energy storage and retrieval, and reception and amplification.

Whether you are at our ICT-U campus or online, qualified practitioner faculty will teach your classes, and you'll have regular opportunities for collaboration and interaction with classmates. In addition, Engineering Technology – Electronics students can specialize in the area of Renewable Energy.

Highlights

• REN

Bachelor of Science in Accounting Information Technology

Students earning a degree in AIT will be able to apply accounting and information technology concepts and principles to analyze and solve accounting systems issues, describe and explain accounting and information technology concepts, issues, and solutions, evaluate accounting and information technology issues and solve those issues with viable processes and technology.

The Bachelor of Science in Accounting Information Technology program usually takes three years for full-time students taking classes in the Spring, Summer and Fall semesters. However, students can complete the course in less than four years if they are taking 15 credit hours and above per semester. Students prior to graduation are required to have completed 90 credit hours; 60 from core Accounting Information Technology courses, 10 General Education requirement and 20 electives. Below are some of the cores of program required courses

• College Algebra
• Psychology
• Principles of Management
• Principles of Economics, Microeconomics
• Spreadsheet Software Laboratory
• Principles of Economics, Macroeconomics
• Introduction to Relational Databases
• Statistical Methods

Highlights

• Information Technology Concepts
• Solve accounting systems issues
• Solve issues with viable processes and technology.
Bachelor of Science in Business Management & Sustainable Development

The Bachelor of Science in Business Management and Sustainable Development (BMSD) program provides college students with the solid, theoretical groundwork that is required to productively achieve the standard career objectives of an organization or company. Our BMSD degree students are given profoundly comprehensive class that educates them how to effectively manage a company's scarce resources – capital, human, and physical.

Our Bachelor's Degree in BMSD focuses on utilizing information as a resource for a company or organization. It also emphasizes the manager's important role in collecting, analyzing, recording and presenting the necessary market data during the corporate decision making process. BMSD students are trained to manage and thrive in a variety of industries. This degree provides college students with the solid, theoretical foundation that is essential to effectively achieve the standard career objectives of an organization or company.

This is a three year program for full-time students taking classes in the Spring, Summer and Fall semesters. Regular and part-time students are allowed to go above three years, however, students cannot be allowed in the program after five years. Students are required to complete at least 120 credit hours selected from a list of the core, required and elective courses offered. All students prior to graduation must carry out a scientific research project supervised one-one by a faculty member. See below for a list of some of the selected core courses.

Sustainable business degrees integrate the worlds of business and economics with the environmental, social and cultural aspects of sustainability. The degree program for those interested in this field can be found in sustainability or business with a concentration that integrates these two areas of study.

Highlights

- BMSD

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Bachelor of Science in Data Communication & Networking

As a network systems and data communications analyst, you'll play a crucial role in the workplace, making it possible for others to do their jobs. Without networks — and analysts — computers would be unable to share information. Also called network architects and network engineers, analysts make sure that emails can be sent and received, employees can work together on the same document, and private information is protected from prying eyes.

Graduates upon completing this degree program are expected to develop the skills and knowledge essential to design, build, maintain and manage network and communication systems in any organization. Consequently, students are taught core components of communication, such as TCP/IP Programming, Internet Computing, High-Speed Networks, real time systems and Client Server Computing.

This is a four year program (or three years if a student takes classes during the summer semesters) for full time students, and students are required to earn at least 48 credit hours, complete a research project supervised by one of the faculty members and also complete a three month mandatory summer internship.

Highlights

- DCN

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Bachelor of Science in Software Engineering

The program enables students to discover how engineering techniques can be applied to software development and employ their practical experiences in building effective software products. Students are taught how to deliver efficient working products on time. The best practices in software development will prepare students for work as computing professionals.

Students learn to develop their self-sufficient learning skills by taking an array of projects all the way through the course. They will be presented with a variety of scope to localize their area of study with a choice of two from five optional units in Year 3, together with an individual software engineering project. The course focuses on providing students with a combination of computing theory and practice to pre-
pare them for immediate entry into computing profession after graduation. Students can also choose to spend the third year on an industrial placement, returning to complete your degree in the fourth year.

This is a three year program for students taking classes in the Spring, Summer and Fall semesters. Regular and part-time students are allowed to go above three years, however, students cannot be allowed in the program after five years. Students are required to complete at least 96 credit hours selected from a list of the core, required and elective courses offered. All students prior to graduation must carry out a scientific research project supervised one-on-one by a faculty member.

As a software engineering major, you’ll study the scientific and mathematical basis of computer software. You’ll learn a variety of programming languages and how to design, analyze and maintain software.

Highlights

• Software Engineering

Information and Communication Technology

Information and Communication Technology is an interdisciplinary major for students interested in combining information technology with communication foundations. Students in the major will learn skills in cutting edge technology, web design and applications, communicating information effectively, delivering information in and through creative and intelligent approaches, and working in teams.

Highlights

• Information and Communication Technology (ICT)

Information Systems and Networking

The Information Systems and Networking (ISN) major is designed to provide students with a technical background in information technology as well as a broad perspective of the business environment in which information technology plays a strategic role. The major emphasizes the development of business analysis and system implementation skills; these skills can provide a basis for job entry, career development and flexibility amid the rapid changes in information technology.

Highlights

• Information Systems and Networking (ISN)

International Masters in Business Administration

The i-MBA program is an 18 month program for full-time students. Students will be allowed to complete the program in two years but cannot exceed four years. Students pursue a common core of coursework during their first semester in the program. The core coursework focuses on the emerging political, economic, and business factors that affect the world. The first semester in the program culminates with a summer internship where students may apply skills learned in their coursework and master their leadership craft. During the second semester in the program, students will choose a specific domain of expertise or concentration with the aim of becoming a domain expert. The program offers five concentration areas:

• Information and Communications Technologies (ICTs)
• Sustainability and Development
• Human Resources Management
• Entrepreneurship
• Health Care Information Technologies

Course Framework

The program consists of a training component of 39 semester hour credits and an internship of 12 credits during the summer of the first year totaling 51 credits. The common core consists of 21 credit hours. This course framework assumes you have an undergraduate business education. Additional courses may be required for students without a business background.

www.eduglopedia.org
Highlights

- Information and Communications Technologies (ICTs)
- Sustainability and Development
- Human Resources Management

- Entrepreneurship
- Health Care Information Technologies
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
UNIVERSITY OF GHANA

Operations and Management Information Systems, Business School
University of Ghana
Univ. of Ghana Business School, P.O. Box LG 78
Legon, Accra
RT18, OMIS Department, UGBS, Legon, Accra
Ghana
233 Accra
Ghana

Contact: Richard Boateng
Institution website: ugps.ug.edu.gh/
EDUglopedia: eduglopedia.org/operations-and-management-information-systems-business-school-university-of-ghan

ABOUT

About the University of Ghana Business School

The University of Ghana Business School (UGBS) was established in 1960 as the College of Administration by an Executive Instrument (E.I. 127). The School has evolved through three distinct stages to where it is today. In 1962 it was named School of Administration until 2004 when it was changed to UGBS. It has six distinct departments: Public Administration and Health Services Management (PAHSM), Accounting, Finance, Organisation and Human Resources Development (OHMS), Marketing and Customer Management (MCM), and Operations and Management Information Systems (OMIS). All departments offer undergraduate degrees. Graduate programmes offered include Master of Business Administration (MBA), Master of Public Administration (MPA), Master of Philosophy (MPhil) and Executive MBA degrees and Doctor of Philosophy (PhD) degrees.

The School also has an Executive Development Unit which offers training in diverse fields ranging from Front Desk Management to Corporate Strategy. It also has an Enterprises Development Centre (EDC) concerned with developing Small and Medium Scale Enterprises through research and training. The school has a well-resourced library and state-of-the-art facilities to aid research and teaching.

About the Department of Operations and Management Information Systems

There is no doubt that information and communication technologies (ICTs) have become a
significant factor for achieving organizational efficiency and effectiveness. This has created a very high, global demand for professionals with the expertise to align ICTs with business strategies to achieve corporate objectives. Academics are also in high demand to research into ICT design, development and implementation in both the private and the public sector. With this underpinning its mission, the Department of Operations & Management Information Systems (OMIS) is founded on the interaction between the ICT and Management disciplines.

PROGRAMS

Management Information Systems

Master of Business Administration

This a rigorous 2-year programme which equips participants with the know-how in aligning information and communication technology tools with business processes to solve contemporary challenges. Courses taught include Systems Analysis and Design, Electronic Business, Management Informatics, Decision Analysis, Contemporary Application Development, Database Systems, and Legal and Social Implications of Informatics among others. In the second year, in addition to courses in Management Information Systems and other areas, students also write a two-semester long essay under supervision. The MBA programme is also available during the weekend for busy workers who cannot enrol for the regular MBA programme. It is structured the same way as the regular MBA programme however lectures are on Fridays from 6:00pm – 9:00pm and Saturdays from 7:30am – 8:30pm.

Admission Requirements

The requirement is a good first degree (at least a Second Class Lower) from a recognised university with at least three (3) years relevant work experience. There is one admission in August every year. An entrance examination or interview may be conducted.

Highlights

- MBA, Regular and Week End, Ghana

PhD Information Systems

PhD Information Systems

The programme is a 4-year intensive research programme. PhD candidates are admitted throughout the year and those without a Master of Philosophy in Information Systems usually undertake a one-year course in that specialty before being enrolled unto the PhD programme. The main objectives of the PhD programme are to provide research training in IS and management to qualified masters degree holders for careers in academic and research-oriented institutions and contribute to information systems research in Ghana, Africa and the rest of the world. Students spend the first year taking courses such as Philosophy of Management Research, Advanced Quantitative Research Methods, Philosophy of Information Systems, Advanced Qualitative Research, Methods Information Systems Theories, Information Systems Development and Trends in Information Systems. The second to the fourth years are dedicated to writing a PhD. Thesis.
Admission Requirements

A relevant Masters degree in management information systems (IS) or relevant information technology related field from a recognised university is required. An entrance examination or interview may be conducted.
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

UCT aspires to become a premier academic meeting point between South Africa, the rest of Africa and the world. Taking advantage of expanding global networks and our distinct vantage point in Africa, we are committed, through innovative research and scholarship, to grapple with the key issues of our natural and social worlds. We aim to produce graduates whose qualifications are internationally recognised and locally applicable, underpinned by values of engaged citizenship and social justice. UCT will promote diversity and transformation within our institution and beyond, including growing the next generation of academics.
PROGRAMS

Advanced Diploma in Business Project Management

The online UCT Advanced Diploma in Business Project Management is designed to equip graduates with the skills and expertise needed to compete for top-tier project management roles locally and abroad. Core features of this Advanced Diploma in Business Project Management:

- Accessible to working professionals across Africa
- 1-year duration, completed part-time through online learning (one contact exam session plus online course work)
- Exam will be written at centres throughout South Africa

Highlights

- Available to students across Africa

Bachelor of Business Science

The degree of Bachelor of Business Science is a four-year professional undergraduate degree at NQF Level 8 designed for students who plan to make a career in a business enterprise or other organisation. A BBusSc graduate is eligible to apply for a master's degree because the degree is awarded at the same level as an Honours degree. The degree programme is not a substitute for practical business experience but rather the opportunity for:

(i) a liberal education involving at the same time, some understanding of scientific method;
(ii) a study of the structure and working of the business world including the economic and human problems which arise in business and other organisations;
(iii) an interdisciplinary study of Economics, Accounting, Mathematics, Sociology and Psychology which concentrates on the application of appropriate concepts and techniques towards the understanding, analysis and solution of problems in business management;
(iv) a study of the scientific approach to management problems and use of current quantitative and computer techniques in those areas in business management formerly considered to be largely matters of opinion and judgement;
(v) specialising in one of ten specialisations in management.

Bachelor of Commerce

General information

The Commerce Faculty offers BCom degree programmes at NQF level 7 in Information Systems.

Optional extra courses

A student may not take more than the prescribed number of courses in any year except with special permission of the Dean. Students who attained certain standards in their previous years of study may be allowed to take up to five full courses in a year.

Selection procedures

Entry into the Bachelor of Commerce may be limited and the best applicants are selected on academic merit from those who meet the minimum admission qualifications. Details on selection criteria can be found in the Undergraduate Prospects: http://www.commerce.uct.ac.za/Pages/Prospective-Students

Bachelor of Commerce (Honours) (Full-Time)

Introduction

Anyone interested in doing FT Hons should contact the Postgraduate Course Administrator

Guide To Full-Time Honours At UCT

Honours in Information Systems aims to provide students with an understanding of the complexities and issues involved in the development and management of Information Systems by giving students a range of experiences. Students will gain experience by both learning and doing.

Experiences include preparing and presenting seminars, working in a systems development project team, conducting and writing up empirical research, mentoring and tutoring undergraduate students, and community service.

www.eduglopedia.org
Objectives
The major objectives of IS Honours are:

- To research, present and discuss the major academic contributions in the field of IS development and management in seminars. To develop strong communication, interpersonal and change agent skills. To develop a community spirit through the Honours Outreach and Community Involvement Programme (HOCIP) (INF4026F & INF4025S).
- To complete a systems development (SD) project in a team (INF4027W).
- To do empirical research (ER) on an information systems topic (INF4024W).

Deliverables
IS Honours course consists of three major deliverables and 4 courses:

- The first is seminar-driven (INF4026F & INF4025S). Each student will research one or more current issues in the management of Information Systems, and then present seminars on the issues.
- The second major deliverable is a systems development (SD) project (INF4027W). Teams of students identify and analyse a real-world IS problem, and develop a fully-functioning information system.
- The third is an empirical research (ER) report (INF4024W). Each student will work with a staff mentor to produce a report.

In addition to the above, as part of INF4026F and INF4025S students are expected to become change agents for IS and participate in the tutoring of undergraduate IS courses. This requires some extra skilling, as tutors will be expected to be technical experts and provide excellent customer service.

All students are required to complete 30 contact hours of appropriate community service as part of the degree on the Honours Outreach and Community Involvement Programme (HOCIP). Note that satisfactory completion of this in a timely manner is a DP requirement for both INF4026F and INF4025S.

All students are expected to behave in a business-like fashion, to take full responsibility for all their deliverables etc., and to manage their priorities. All students are expected to read and adhere to the Code of Conduct.

Programme structure
IS Honours consists of 4 courses and projects. IS Honours commences with an introductory session in the first two weeks.

General
The Honours year is a very busy one, and students are usually involved with a few deliverables at a time. Apart from the main IS Honours deliverables there are tutoring duties, and Community involvement. Although seminars are not scheduled during the university vacs, students will be expected to work over these periods.

Students must not plan any major trips or activities this year. The year should be one of hard work, fun and great personal growth

Application
Pre-requisites
This course is for students who have successfully completed an Information Systems major. Typically, marks in 3rd year IS courses should average 65% or more. In addition, it is expected that the applicant will have passed courses in other Commerce subjects like Accounting, Economics, Management and Statistics.

Students who have majored in Computer Science but who have also passed IS major courses and some Commerce courses may be eligible at the discretion of the Head of Department. Applications open on 1 September of year prior to year of intended study.

Completed application forms should be submitted via email by 1 October of year prior to year of intended study.

Follow this link to find out how to apply.

Course Convenor: Professor Kevin Johnston

www.eduglopedia.org
**Bachelor of Commerce (Honours) (PART-Time)**

This programme is designed to follow on from either of the Postgraduate Diploma coursework courses.

**Application**

Entrance to the Part Time Honours programme is through the Post Graduate Diploma. Students who have performed well on the Postgraduate Diploma are typically invited to convert to the Honours programme.

**Prerequisites**

Candidates must have completed the Postgraduate Diploma, obtaining above average results. Candidates must have experience of critical reading, literature survey work and have previously written at least four essays or white papers at postgraduate level. Exposure to research methods and/ or statistical methods will be an advantage, but is not required.

**Doctor of Philosophy**

**Introduction.**

The year 2015 will be the seventeenth year of the UCT PHD in Information Systems program. As at 2014, 30 students had graduated from the programme. While the program was first announced in April of 1998, in fact the program dates from discussions held with members of the Department of Information Systems as early as May of 1995. At that time, in the headiest years of the RDP and the transformation movements in South Africa, the idea was mooted that any program in Information Systems should take advantage of the opportunities afforded by the transformation. In fact, it was clear then, as it is clearer now, that South Africa is a laboratory of change, potentially driven, or at least partially fueled, by modern technology. This program is the culmination of many years of thought at UCT, in the Department of Information Systems, and other institutions. The original goals of the program have been shown to be relevant and persistent, as evidenced by the mushrooming since of the IT4D research movement globally.

The program attempts to combine two distinct efforts. First, it attempts to create practising, experienced, qualified academics who know information systems and can guide information systems research efforts. This kind of person is essential in any modern nation as the role of technology in society and commerce continues to grow. Second, this program meets an additional practical need, that of being able to harness the power of information technology to national aims. In the case of South Africa and Africa generally these national aims include "upliftment","reconstruction", reconciliation, "redevelopment", or other similar terms. It is also a case of coping with being a modern nation in a globalised economy while repairing the damage of the past.

Therefore, our doctoral program attempts to marry excellence in research with the needs of Africa by promoting in-depth investigation of Information Systems topics to the benefit of the continent and the IS discipline.

For more information on the program content please contact the course convenor Prof Irwin Brown. For information on the application process, please contact our postgraduate course administrator.

**Master of Commerce (Coursework and Dissertation)**

The MCIS is offered in two formats, full-time and part-time. It can also be done by Dissertation only or (more usually) by Coursework and Dissertation. Details of this second approach are now discussed. The formats are identical except in regard to the timing of the dissertation. Students who want to finish all their coursework and dissertation work within a single calendar year will sign up for the full-time format; otherwise they will take an extra year to focus exclusively on their dissertations. Details of the program follow.

The program has a number of taught modules, 4 technology projects, and a dissertation. These are discussed separately below:

**Taught modules:**

- A research methodology component to guide you through the steps of doing your thesis. This component should be pretty much completed by the end of the first semester. The prescribed book
for this is "Applied Business Research" by Gavana et al, Wiley (Australia), ISBN 0471341266. It is fairly expensive but the only prescribed text for the year.

- A critical reading component including an introduction to research and critical thought in Information Systems Critical thinking, theory, scientific theory generation and testing, critique of research papers, writing research papers, reading and reviewing research articles, the sociology of research in information systems, important research streams, challenges to IS research, the culture of research.

- An advanced content component consisting of selected topics of interest to students centered around the research interests of current IS staff and academic visitors.

- A set of student-driven seminars whereby students individually present and (as a group) critique topics of their choice or as assigned.

The research methodology module lasts about 5 months. The critical reading and advanced content modules take place concurrently and more or less evenly spread throughout the academic year. Already during the initial ten-month program, students are encouraged to work on their dissertations. FT students should commence their research by May of the year they begin if they intend to complete their data gathering by the start of the second year. PT students will not normally commence their research until the second year of their program. During the second year, full-time (and, where appropriate, part-time) students will present the progress of their research at regular meetings to provide guidance and to share experiences with other students.

Master of Commerce (Dissertation only)

Introduction

May we extend a warm welcome and thank you for taking the time to look at our Masters degree.

Please note that our current master students make use of the intranet for their course notes and communications so this website is really for interested outside parties.

We offer the Masters course in two ways: Dissertation only, and Coursework & Dissertation. These can be taken by both full-time and part-time students.

We suggest that all visitors first look at the About the Program page. Then, if you are a current honours student in the department or another Southern African university, may we suggest that you look at Why do a Masters? as well as the bursaries section first. If you are graduating from another university, you may want to look at the Program Details and Program Requirements in more detail in order to get more familiar with the specifics of the South African educational system. You can get a better feel for the program by looking at some of the topics that are typically covered:

Typical Course Overview.

The masters programme is currently coordinated by Prof Michael Kyobe: Michael.Kyobe@uct.ac.za.

If you have any further queries, please contact our postgraduate administrator on postgrad.admin@uct.ac.za

Postgraduate Diploma in Information Systems Management

Thinking about further study but not sure whether it is for you? The occupational marketplace is more competitive than ever before, and it is important to have a career strategy in place to help you gain the edge. A formal postgraduate qualification is a powerful differentiator and you can now earn this sought-after advantage part-time.

Gain industry-aligned skills and expertise for immediate application as you work to advance your career path in this dynamic area.

We offer a Postgraduate Diploma in Management in Information Systems with four specialisations, listed below.

1. Information Systems Management
2. Computer Forensics

www.eduglopedia.org
4. Business and Systems Analysis

The first three specialisations are each **two-years, part-time**. The fourth one is **one-year, part-time**.

The first three specialisations are aimed at students currently employed in the Information Systems or Information Technology fields. Applicants need a three-year undergraduate degree from any discipline, and at least three years' working experience. We will however, consider applicants with no formal qualifications, using Recognition of Prior Learning (RPL) as criterion for admission.

In the first year of part-time study, students need to complete the coursework in one of the following three streams:

- Information Systems Management
- Computer Forensics
- Enterprise Systems and Business Process Management

In the second year, once the selected coursework is completed, students based on interest and proven ability can either complete a work-related Information Systems project to qualify for the postgraduate diploma or can complete a research project and qualify for an Honours degree.

For the fourth specialisation, applicants need a three-year undergraduate degree from any discipline. Students need to either work concurrently in the Business and Systems Analysis environment or alternatively, will need to complete an internship in this field, while completing the course. Internship opportunities will be made available to potential candidates through collaboration with the Cape IT Initiative's CapaCITi1000 programme.

Students are required to attend four full time blocks at UCT during the year. Each block is two weeks in duration.

Please note that the option to convert to the part-time Honours degree in Information Systems is not available for this specialisation. During the year, students need to complete the following coursework:

**Business Analysis and Systems Analysis**
About

Rhodes University is the smallest public university in South Africa, with approximately 8000 registered students. Nevertheless we rank among the top performing South African universities with regard to student graduation rates and the proportion of academic staff holding PhD or equivalent qualifications. Many of our graduates occupy executive positions in the local IS industry, have successfully started their own businesses, or have forged international careers.

The Department of Information Systems at Rhodes University was first established in 1980 as a sub-department of the Department of Business Administration (now Management) within the Faculty of Commerce. Today, it is a flourishing, independent Department with a full undergraduate and post-graduate programme. Undergraduate students are required to complete a first-year semester course in computing offered by the Department of Computer Science, before registering for Information Systems. The Department offers courses at the second, third and fourth (honours) year levels, as well as Masters and PhD degrees by research thesis.

Academic staff in our Department are committed to promoting the construction of knowledge in the field of Information Systems through effective and innovative interaction, research and consulting; and to the development of quality graduates and information systems artefacts within a climate of excellence, integrity and ethical behaviour.
PROGRAMS

BCom / BSc majoring in Information Systems

The Department offers a two-year major in Information Systems which is taken primarily by students doing a Bachelor of Commerce or Bachelor of Science degree.

Highlights

- The systems development project undertaken by student teams during the final year of their undergraduate degree, in which they complete all the stages of the system development life cycle.

Honours degree in Information Systems

Information Systems Honours is a postgraduate programme taken after completion of a three-year Bachelors degree majoring in Information Systems. Places are limited, with about 35 students being accepted into the Honours programme each year.

The Honours programme focuses on preparing students for the information systems profession as well as preparing the way for further postgraduate studies. On successful completion of the programme, students are awarded a Bachelor of Commerce (Honours) or Bachelor of Science (Honours) degree in Information Systems.

Highlights

- "Start-up week" involving team building activities
- Four-week industry internship during the June/July vacation

Masters / PhD in Information Systems

The Department has a rapidly expanding postgraduate school, which is accommodated in a newly developed suite of computer laboratories located on the top floor of the Struben Building.

Masters and PhD degrees in Information Systems are currently available only by full research thesis. Students are expected to attend a number of formal workshops during their first year of study, which provide support and guidance during the process of developing a formal research proposal.
ABOUT

The University of Johannesburg is recognised in South Africa as an institution that meets the needs of industry and business. Our programmes focus on providing students with sought-after industry knowledge and skills. Our diplomas and degrees are innovative and flexible, allowing students to focus on an area of IT that meets their interest while providing a core of basic IT skills. This innovation is demonstrated by the recent introduction of specialisations in Software Development, Web and Application Development, Information and Technology Management as well as Support Services. These specialisations include traditional aspects of IT such as software development, secure systems, network management and information systems. These specialisations are offered at diploma as well as graduate level. Applied Information Systems (AIS) is a discipline that combines the activities of business and information communication technology to facilitate and exploit the use of IT to foster and support business activities within the enterprise and externally to its clients. Information Technology is one of the most exciting, expanding and evolving fields. There is a chronic shortage of IT professionals, and the demand is steadily increasing as the development of business opportunities requires well-trained specialists in the latest innovative technology.
PROGRAMS

Advanced Diploma Business Information Technology – (Part Time)

The aim of this qualification is to provide students with knowledge and skills to develop software solutions to solve business problems effectively using the latest technologies.

Highlights

- RULES OF ACCESS
- Any appropriate bachelor’s degree or 3 year Diploma in Information Technology, with at least 1 year of software development experience. Applicants need an average of at least 60% during their final year of study.
- The minimum duration is one year of full-time or two years of part time study. The maximum period is four years of study.

Bachelor of Commerce (Information Systems)

The purpose of the programme is to strengthen and deepen the student’s knowledge and to develop the student’s applied competence in analysing, interpreting and understanding of information systems development processes, principles and methods. It further develops the intellectual independence, research and professional skills of the student. The qualification prepares students to meaningfully contribute to organisations’ information systems development, acquisition, utilisation and quality thereof. The core modules run through from first year to final year.

Diploma (Business Information Technology)

The purpose of the programme is to develop the applied competence of learners in developing, analysing, interpreting and applying information technology business management principles and methods. The programme prepares the learners to meaningfully contribute to the effective and efficient business management of information technology in organisations.

On completion of the programme students will be able to demonstrate competence in:

- Analyse and understand the interdependency between business and information technology
- Make decisions and accept responsibilities
- Communicate effectively using models, visual and language skills
- Work effectively in a team
- Collect organise and critically evaluate information in order to assess the situation correctly
- Demonstrate an understanding that the problem solving contexts do not exist in isolation and therefore look at the system as a whole

Highlights

- RULES OF ACCESS
- A potential student should be in possession of a Senior Certificate with the relevant University Endorsement.
- The minimum duration is three years of full-time or four years of part time study. The maximum period is four years of study.
**RULES OF ACCESS**

- A Senior Certificate meeting the admission requirements of the APS score of 22, (Mathematics) 24, (Mathematics Literacy) or M- Score 13 with Mathematics Higher Grade (HG) or Standard Grade C, English HD D or SG C or Grade 12 Computer Science with at least a HG D symbol. RPL will be applied in accordance with the University's RPL policy.
- The minimum duration is three years of full-time study. The maximum period is four years of study.

**Doctor of Philosophy - PhD (Information Technology Management)**

Through the doctoral thesis, in which the qualification finally culminates, a qualifying student would show evidence of independent and original scientific work. The thesis would constitute a decided contribution to knowledge of and insight into the subject discipline as well as the field of research. Qualifying students would display applied competence in research methodology, and the proper written and/or oral communication in the research process and findings. The student should be able to reflect on his/her research decisions and applications to assess the effect thereof in the holistic context of research in the information technology management industry.

**Master of Commerce (Information Technology Management)**

The purpose of the programme is to develop the applied competence of student on an advanced (executive) level in the mastering, analysis, interpretation and understanding of IT Management principles and methods. Through a Masters dissertation, the student will show evidence of scientific research and the ability to reflect thereon in the holistic context of IT Management. The programme will assist in the continuing professional development of experience and senior managers and leaders will be enhanced for both South African delegates and, increasingly, promote the development of IT Management skills for students and executive delegates which both local and international context.
Highlights

- RULES OF ACCESS
- A BCom Honours (IT Management) degree or equivalent degree from any other university on NQF 7/8 with an average of at least 60% for the honours degree.
- The minimum duration of a masters programme is one academic year. Residency less than the prescribed minimum study period may not be granted. The maximum period of registration is two years of full-time or three years of part-time study.
ABOUT

Wits is a remarkable university that is internationally distinguished for its excellent research, high academic standards and commitment to social justice. Wits is taking the lead in reimagining trendy Braamfontein to further our contribution towards delivering high level scarce skills for the global knowledge economy. Our location in Johannesburg, the economic and industrial heartland of the continent, places us in good stead to interact with the public and private sectors, civil society and other social agents to effect meaningful change in society.

From trying to discover what lies beneath the Earth’s surface to saving lives through better healthcare systems, Wits is on the ground, making a difference. We have over 50 active projects on the African continent and the University is represented globally through our partnerships, collaborations, staff and student exchanges and our alumni around the world. Wits was also the co-founder of the African Research Universities Alliance.

With more than 85% of our research published in accredited international journals, we encourage cross-disciplinary research and collaborate with the best researchers and institutions across the globe. From telling the story of life, to finding solutions to deep level mining problems; from searching for the Higgs Boson at CERN, to understanding the complexities of human interaction, Wits is at the forefront.

www.eduglopedia.org
Located close to “Africa's Richest Square Mile”, the corporate and financial hub of both the county and the continent, we have cultivated strong linkages with leading local and international professional services firms who compete strongly every year to employ our graduates. Amongst others, we regularly supply graduates to ABSA, Accenture, Amazon, BSG, Deloitte, EY, Facebook, First National Bank, Google, Investec, KPMG, MTN, Nedbank, Oracle, PWC, Rand Merchant Bank, SAP, Standard Bank, Telkom and Vodacom. We also supply graduates to the public sector, whilst many of our students follow their own exciting entrepreneurial paths.
PROGRAMS

Bachelor of Commerce (BCom) in Information Systems

Focused on the development of high calibre and work-ready Information Systems professionals, the Bachelor of Commerce (BCom) degree in Information Systems takes a systemic and experiential approach to the analysis, design, implementation, management and strategic use of information systems and technology. Technology is now the beating heart of a dynamic, information and knowledge-driven world that needs people to point the way, people who “get it”. The demand for such professionals is increasing exponentially whilst supply remains low. Our unique young professionals solve “real world” problems, using technology to build systems that allow for quicker and smarter responses to changes in dynamic and complex environments.

Bachelor of Commerce Honours (BCom Hons) in Information Systems

The Bachelor of Commerce Honours (BCom Hons) in Information Systems degree is a one (1) year (full time) or two (2) year (part time) programme primarily informs students about issues surrounding the management of technology. The degree exposes students to emerging trends in IS. Introductory knowledge for academic research is also covered, with students completing a year-long research report. Students learn how to apply theoretical knowledge to case studies, how to conduct theoretical and empirical research, how to communicate clearly in both a written and verbal form, to work together in a team environment, how to argue soundly and how to reference their work.

Highlights

- Three (3) week internship with one of our corporate partners

Doctor of Philosophy (PhD) in Information Systems

The Doctor of Philosophy (PhD) in Information Systems is an intensive research programme supported by a curriculum designed to provide students with the skills they need to effectively carry out their research work. The research undertaken will be closely aligned to the research of the division of Information Systems to ensure that research students work closely with Faculty. The degree can be studied either full-time (over 2 to 3 years) or part-time (over 4 to 6 years). The programme is not offered in distance mode and students have to be resident in Johannesburg and available to participate in the programme on campus.

Master of Commerce (MCom) (by Coursework)

The Master of Commerce (MCom) degree (by Coursework) in Information Systems is an intensive academic programme including both research and coursework components. Through coursework in the first year, candidates learn about the latest trends in the information systems environment, issues in IS management and advances in IS research. Students are introduced to the research process in the early stages of the course in order to begin to formulate a research topic, and the second year of the course entails the student completing a research report under Faculty supervision. The research year brings students into close contact with Faculty as we jointly explore opportunities and problems in the use, development, management and impacts of information systems on individuals, organisations and society. The programme has been carefully crafted to balance industry relevance with academic rigour. Students will study topics in research methodology, explore advances in research areas such as IT adoption.

www.eduglopedia.org
and IS management, and gain exposure to contemporary issues in IS practice.

**Master of Commerce (MCom) (by Research)**

The Master of Commerce (MCom) degree (by Research) in Information Systems is an intensive research programme supported by a curriculum designed to provide students with the skills they need to effectively carry out their research work. The research undertaken will be closely aligned to the research of the division of Information Systems to ensure that research students work closely with Faculty. The degree can be studied either full-time (over 2 to 3 years) or part-time (over 4 to 6 years). The programme is not offered in distance mode and students have to be resident in Johannesburg and available to participate in the programme on campus.
NORTH-WEST UNIVERSITY

Computer Science & Information Systems
North-West University
7 Hoffman street
Building G1, Hall G03
2520 Potchefstroom
South Africa

About

Potchefstroom Campus, North-West University
The Potchefstroom Campus of the North-West University has eight faculties with more than 30 schools and centres. These are listed:

Faculties

Arts
- School of Languages
- School of Social and Government Studies
- School of Music
- School of Communication Studies
  School of Philosophy

Natural Sciences
- School of Physical and Chemical Sciences
- School of Biological Sciences
- School of Geo- and Spatial Sciences
- School of Computer, Statistical and Mathematical Sciences
- Centre for Business Mathematics and Informatics
- Centre for Environmental Management
- Centre for Human Metabonomics

Theology
- School of Ancient Language and Text Studies
- School of Ministers' Training
- School of Biblical Counseling and Church Ministry
  - Greenwich School of Theology

Education Sciences
- School of Human and Social Sciences for Education
- School for Education Studies
- School of Natural Sciences and Technology for Education
- Research in Education Sciences

Economic and Management Sciences
- School of Business & Governance
- School of Accounting Sciences
- School of Economics
- School of Business Management
- School of Human Resource Sciences

Law
- Faculty of Law
- Law Clinic

Contact: Magda Huisman, Gilbert Groenewald
Institution website: www.nwu.ac.za/
EDUglopedia: eduglopedia.org/computer-science-information-systems-north-west-university

www.eduglopedia.org
• Potchefstroomse Electronic Law Journal (PER)
• NWU Students Law Review

Engineering
• School of Chemical and Minerals Engineering
• School of Electrical, Electronic and Computer Engineering
• School of Mechanical and Nuclear Engineering
• Industrial Engineering
• Electromechanical Engineering

Health Sciences
• School of Biokinetics, Recreation and Sport Science
• School of Pharmacy
• Subject Group – Physiology
• Subject Group – Nutrition
• Subject Group – Consumer Sciences
• School of Psychosocial Behavioural Sciences
• School of Nursing
• BHSc in Occupational Hygiene

Unit for Open Distance Learning
• Teaching
• Nursing
• Theology
• Short Learning Programmes
• Preparatory Programmes
• Policing Practice
PROGRAMS

BSc in IT
3 Year bachelor's degree in IT,
Honors 4th year,
MSc,
PhD

Highlights
• Open days
• Well equipped labs
• Good academic support

INFORMATION TECHNOLOGY AND COMPUTER SCIENCE

Information for the programme are given below:

PROGRAMME OUTCOMES

This programme provides a good basic training in information technology. In compiling the curricula for this programme the Faculty also considered possible occupations and the need of our country for human resources. Furthermore, this programme prepares the student for postgraduate studies (Hons BSc and/or M.Sc) in computer science, which are recommended in view of registration with the South African Council for Natural Scientific Professions (SAC-NASP). The purpose of the qualification is to: provide South Africa with graduates who have specific and relevant theoretical knowledge and practical skills in information technology. This will contribute to broadening the leadership base through well-qualified citizens for innovative and knowledge-based contributions to economic and other supporting activities for the country and its people; equip graduates with grade-level expertise and applied skills in the field of Information Technology (Computer Science and Information Systems) which is globally and especially in South Africa a shortage of well qualified and well appointed human resources exist, and enable graduates to enter the labour market of information technology as entrepreneurs or as employees of organisations at national and international level. The foundation laid as lifelong learners will enable graduates to contribute to the support of strategic decision making and eventually to direct contributions in this regard.

The student will also have the following specific knowledge and skills, viz. he will have the ability to:

a) contribute in a professional manner and according to modern, acceptable methodologies to the design, development and delivery of computer systems in accordance with business needs and principles;

b) contribute meaningfully to the management of information and information sources on the basis of his knowledge and understanding of appropriate concepts, structures, models, theories, principles and research methods;

c) solve IT relevant problems in the context of approaches and techniques of other appropriate disciplines by means of a thorough, practice-directed knowledge and insight into the field of information technology (IT);

d) realise the necessity to ensure continuing competency and to remain at the forefront of the latest technology and techniques, and as a lifelong student to stay involved with these by means of established and well-developed learning skills.

Highlights
• Well-equipped computer labs
• Open days
• Great campus life
• Good academic support

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ABOUT

The University of Pretoria is a multi-faculty research-intensive university with campuses in Pretoria, its surrounds, and in the country’s economic hub, Johannesburg. The University is conveniently situated in close proximity to government departments and major research entities in Pretoria, including the National Research Foundation (NRF) and the Council for Scientific and Industrial Research (CSIR).
PROGRAMS

BCom (Informatics)

Modern organizations cannot function without information and the technology with which they gather, store, compute and make available the information. The successful application of technology is, however, more than just writing computer programs. Computer programs are important, but an understanding of the business within which the organization functions and an understanding of the use of information and information technology to support the objectives of the organization, are far more important. Informatics is a multi-disciplinary subject, where information, Information Systems, and the integration thereof into the organization, are studied for the benefit of the entire system (individual, organization and community).

Highlights

- ABET accreditation
- Highly employable
- Sound business knowledge
- Fully developed project for outside client
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
COPPERBELT UNIVERSITY

Computer Science Department
The Copperbelt University
Jambo Drive, Riverside
Jambo Drive, Riverside
10101 Kitwe
Zambia

About
The Copperbelt University is a Public University established in 1987, with the vision among others to create a place for high-quality education and training, enabling graduates to act efficiently and effectively in a broad range of civic and professional functions and activities and create a place to which access is possible primarily on the basis of intellectual merit and of the ability to participate actively in its programmes.

The university offers various programmes in various schools such as Built Environment,

Contact: Registra
Institution website: www.cbu.edu.zm
EDUglopedia: eduglopedia.org/computer-science-department-the-copperbelt-university

Business, Engineering, Mining, Mathematics & Natural Sciences, Natural Resources, Medicine and Graduate Studies.

The Copperbelt University is located on Jambo Drive, Riverside, Kitwe, Zambia

www.eduglopedia.org
PROGRAMS

Bachelor of Information Technology (BIT)

The Bachelor of Information Technology (BIT) is a full-time senate approved and monitored programme that runs in the evenings in the Computer Science Department of the School of Mathematics and Natural Sciences. The programme has ten (10) levels. Each level lasts six (6) months. The total duration of the programme is therefore five (5) years. The programme has two intakes per year, one in January and the other one in July.

Highlights

- Software Development, Network Engineers, Database Administrator

Bachelor of Science in Computer Science

Zambia as a country has seen the proliferation of ICTs equipment over the past few years. Government departments as well as private companies have adopted the use of ICTs in their day to day operations. The area of Information and Communication Technologies (ICTs) is one that must be taken seriously in our world today. This is so because ICTs are very important enablers for development. In fact, there can be no meaningful development in our world today without ICTs, as they currently permeate almost all areas of human endeavour. Consequently, it is paramount for any country that needs development to build a well-trained cadre of ICT Technolo-

gists and Computer Scientists. Such professionals will be in the forefront of spearheading this development. This course is designed in such a way that it will not only produce quality and competent ICT professionals but the course is structured to adequately meet the national needs and aspirations for ICT advancement.

Highlights

- The programming has been running for 22 years now. Most IT departments in the country are headed by graduates from this programme

Bachelor of Science in ICT Education

The Government of the republic of Zambia through the Ministry of Education, introduced the learning of Computer studies and ICTs in all Primary and Secondary Schools in 2015. The country though has very few qualified Computer Science and ICT teachers. The Copperbelt University was challenged by government to meet the shortage. Last year in 2016, the University responded by introducing this programme. The programme runs on both full time and distance modes. The full time modes targets mostly school leavers whilst the distance mode targets inservice teachers. The duration for the programme is four years for full time and five years for distance, although candidate with relevant post secondary school qualifications are exempted from first year.

The main objective of this programme of study is to graduate students with a solid and professional training in Information and Communications Technology (ICT) education. The department believes that the graduates will be adequately prepared to teach a relevant ICT related subject. The programme also prepares the student for postgraduate studies in related fields both in Zambia and abroad.

Master of Science in Computer Science

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Further institutions on EDUglopedia:

**German University in Cairo (GUC)**
Business Informatics and Operations Management Department
**EUglopedia**: eduglopedia.org/go/business-informatics-and-operations-management-department-german-university-in-cairo-guc

**King Fahd University of Petroleum & Minerals**
Electrical Engineering
**EUglopedia**: eduglopedia.org/go/electrical-engineering-king-fahd-university-of-petroleum-minerals

**Addis Ababa University**
IT Doctoral Program, Information Systems Track
**EUglopedia**: eduglopedia.org/go/it-doctoral-program-information-systems-track-addis-ababa-university

**Ghana Institute of Management and Public Administration (GIMPA)**
School of Technology
**EUglopedia**: eduglopedia.org/go/school-of-technology-ghanainstitute-of-management-and-public-administration-gimpa

**Ahmadu Bello University, Zaria**
Mathematics
**EUglopedia**: eduglopedia.org/go/mathematics-ahmadu-bello-university-zaria

**University of the Western Cape**
Information Systems
**EUglopedia**: eduglopedia.org/go/information-systems-university-of-the-western-cape

www.eduglopedia.org
ASIA
DENSITY OF REPORTED PROGRAMS PER COUNTRY – ASIA

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Department of Management Engineering

BEIJING INSTITUTE OF TECHNOLOGY

Department of Management Engineering
Beijing Institute of Technology
5 South Zhongguancun Street
School of Management and Economics
100081 Beijing
China

Institution website:
sme.bit.edu.cn/Home/index.htm
EDUglopedia: eduglopedia.org/department-of-management-engineering-beijing-institute-of-technology

ABOUT

Beijing, the capital of China, is a city where the old cultural traditions and the modern civilization are well integrated. As a city established more than 3000 years ago, Beijing has world well-known sites such as the Great Wall and the Forbidden City. Beijing also hosts the 2008 Olympic Games. Beijing’s economy ranks among the most developed and prosperous in China. In 2015, the GDP of Beijing is about $340 billion.

Beijing Institute of Technology is a coeducational public university, located in Beijing, China, established in 1940. The fast development of Beijing brings our university and program many opportunities. As a member university of National Key Universities, Project 211 and Project 985, it has been given priority sponsor from the Chinese government, the Commission of Science, Technology and Industry for National Defense, the Ministry of Education (MOST) and the Beijing metropolitan Government.

The Department of Management Engineering is home to our Information Management and Information Systems program. The department has more than 20 researchers. In recent years, our program has made significant progresses in many fields such as research achievements and building international academic relationships. Members of the department have published in international journals including Nature, Information & Management, Omega, and Decision Support Systems. The program has also been awarded the “Beijing Characteristic Specialty Program” in 2009.
PROGRAMS

Bachelor of Information Management and Information Systems

This program was established in 1983. Within the development of the past three decades, it has become one of the six Famous Brand Programs in Beijing Institute of Technology. The program has faculties with strong research and practice background. We have one distinguished professor of the Chang Jiang Scholars Program, one National Prestigious Teacher, and many faculties with degree or visiting experiences from the U.S.A., the Europe, Japan, and Singapore. This program has about 30 faculties with about 30 students each year. The small faculty-student ratio allows the implement of the supervisor policy for our bachelor program.

Highlights

- Small groups
- Small faculty-student ratio
- International team of faculty
- National OR education team in China
- Each student has a supervisor

Master of Management Science and Engineering, Concentration in Management Information Systems

PhD in Management Science and Engineering, Concentration in Management Information Systems
ABOUT

Nanjing University is located in Nanjing, capital of Jiangsu Province, a community of over 8 million people. It is recognized as one of the research and education centers in China.

As one of the members of the iSchools organization, the School of Information Management at Nanjing University is one of the earliest education institutions in China, and is ranked among the top 2 of such schools or departments of Library and Information Science in 2012.

The School consists of 55 faculty and staff members, over 400 undergraduate students over 300 master students and 60 PhD students. The School offers multi-level programs from undergraduate to PhD.

The 4 undergraduate programs are: Information Management & Information Systems; Library Science; Archive Science; Editing and Publishing Science.

The 5 master & doctoral programs are: Information Science; Library Science; Archive Science; Editing and Publishing; Information Resources Management.

In addition, it offers 2 professional master’s programs from 2010, Library & Information Science, Publishing Science, which focus on training application-oriented talents.

The faculties’ researches focus on numerous fields of LIS, such as: Knowledge organization; Internet user behavior; Information service in Web 2.0; Information security; Digital li-
library management ; Digital library development ; Science and social science evaluation ; Library user and reading behavior ; Archival resource management ; Digital publishing, etc.

In the past five years, the School has undertaken over 80 projects, including 33 projects funded by National Natural Science Foundation or National Social Science Foundation of China; 34 projects funded by the Ministry of Education or provincial government in China.

Welcome to School of Information Management at Nanjing University for Visiting and Collaboration!
PROGRAMS

Information Management and Information System

The Information Management and Information Systems program at Nanjing University develops knowledge and skills in the application of information technology to problems and opportunities in business and society.

The program is particularly well suited for students who enjoy solving problems while working with computer networks, software, database management systems, ERP systems, and e-commerce systems. Our courses include Data Mining, Artificial Intelligence, Multi-media Information Retrieval, Programming Languages, SQL Server, Citation Analysis, Internet Information Resource, Digital Libraries, E-Commerce, Image Retrieval, Metadata, Network Marketing, etc. Most of the courses are now web-based. This specialty has become one of the quality majors in Jiangsu Province.

Graduates can be engaged in positions in the financial services industry such as banking, accounting, insurance, or financial departments of large organizations, handling operations of information systems, IT consultancy, operational flow designs and decision supports. They can become data analysts, business analysts, systems analysts, or e-business specialists paving the way for promotion to management roles.

Highlights

- information systems; information management; management science; management engineering; data mining

Information Science

The Nanjing University has a long tradition of promoting and encouraging research excellence and it is ranked the top 10 of universities in China. As one of the members of the iSchools organization, the School of Information Management at Nanjing University is one of the earliest education institutions in China, and is ranked among the top 2 of such schools or departments of Library and Information Science in 2012. At Nanjing University the degree of Doctor of Information science involves extensive, sustained and original research and study in a subject of information science, with the results being presented in a thesis which will contribute to intellectual knowledge of the field.

Information science research in Nanjing University mainly focus on knowledge organization, Internet user behavior, Information service in Web 2.0, Information security, scientometrics, Science and social science evaluation, Archival resource management. The Doctoral Program in Information science aims at training researchers to conduct R&D activities in the field of information in an autonomous way.

The program has a 3-year duration. At the first year students should finish 2 courses which are designed to allow students to get familiar with important literature to their field and the existing research approaches and methods, also during this period students need to prepare their doctorate’s project proposal which should be finisher at the third semester. The remaining time is dedicated to the research development and writing the doctorate dissertation.

Young graduates that seek to prepare for research or academic careers or professionals that seek to increase their knowledge and skills are welcome to apply this programme.

Information Science

Graduates of Information Sciences should systematically grasp the basic theory and technology of modern information management, and have the ability to engage in the study of information science, modern information management, and information system analysis & design. Core courses include Technology of Information Resource Management, Principles of Information Science, Theory and Method of Information Science, Information Processing and Retrieval Technology. Students can create their own unique blend by combining courses from different majors, depending on individual interest or career ambitions.

Graduates can be engaged in positions in the financial services industry such as banking, accounting, insurance, or financial departments of large organizations, handling operations of
information systems, IT consultancy, operational flow designs and decision supports. Also they can become data analysts, business analysts, systems analysts, e-business specialists or further study for PHD.
ABOUT

The goal of Department of Data Science and Engineering Management is to be a leading academic department in cultivating data managers and professionals who possess up-to-date training and frontier knowledge in the areas such as information systems and electronic commerce, decision making and optimization, as well as neuro-management. The department is established in July 2016, in response to dramatic changes and great demand for talents to meet the arrival of the era of data. The history of the department can be tracked back to 1979. In that year, Zhejiang University established the first department of management science in Mainland China, and enrolled the first generation of graduate students. Later on, in 1986, the management science and engineering doctorate was established, which became one of the very initial doctoral programs in this discipline in the country, soon followed with the built of post-doctoral research station in 1998. In 1999, the management science was approved to be a key discipline of Zhejiang Province, and is featured by "211 Project" & "985 Project" key construction disciplines of Zhejiang University. Based on the rapid development, the discipline was approved as a national key discipline in 2007, and was ranked as NO. 2 in the evaluation of National Ministry of Education in 2012. Our department now has 18 faculty members, including eight professors and eight associate professors and two assistant professors.

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PROGRAMS

Bachelor of Information Management and Information System

This program develops students with a global vision, a solid foundation of theoretical knowledge and an integrated approach to comprehensive application. It enables students to understand the Chinese situation and the major field of this discipline, and to do academic research or take practice positions in related fields. This major course emphasizes on cultivating a good mathematics and physics thinking, and it provides students with knowledge of economics and management theories, and IT knowledge and ability. Graduated students are equipped with skills to develop, construct and carry out information system designs as well as the ability to analyze and use informative resources. And they are competent to work in organizations of governmental departments, corporations and research organs, handling operations of information systems, IT consultancy, operational flow designs and decision supports.

Highlights

- information systems
- information management
- management science
- management engineering
- data science

Doctor of Management

This program is aiming at promoting innovative nation and cultivating innovative research talents. Focusing on independent research and innovative ability, the program will cultivate a group of top researchers with global perspectives, and are able to keep up with the academic development frontier.

QTEM

The Master of Science in Management majoring in Management Science and Engineering is a 2-year program. It aims to cultivate internationalized talents with global perspective, entrepreneurial spirit, creative thinking and social responsibility. Students are trained to acquire knowledge in multidiscipline such as management, economics and data science, and to have abilities in theoretical modeling, quantitative analysis, and practical application. Students are expected to use management theories, methods, and tools to solve complex managerial problems.
CENTRAL CHINA NORMAL UNIVERSITY

School Of Information Management
Central China Normal University
152 Luoyu Road
P.R. China 430079 Wuhan
China

Contact: Gaohui Cao
Institution website: imd.ccnu.edu.cn
EDUglopedia: eduglopedia.org/school-of-information-management-central-china-normal-university

ABOUT

School of Information Management (SIM) at Central China Normal University (CCNU) has a long history, which can date back to the Library Science of Boone Memorial School in 1920 co-founded by Mary-Elizabeth Wood, Zurong Shen, and Qingsheng Hu. The institution was re-founded in 1984, which is distinguished for its long-standing academic innovation and educational reform to cater the growing talent needs of the development of modern information society and knowledge economy. SIM at CCNU now provides 3 undergraduate programs, 2 master programs and 2 PhD programs. All the programs have been implemented to foster highly qualified and interdisciplinary applied talents.
PROGRAMS

BS in E-commerce

The electronic commerce program is based on the nowadays business operation mode of “Internet” + “Commerce”. It aims to meet the industrial needs and social needs, and to orientate the students towards innovations and entrepreneurship. It equips the students with advanced E-commerce related skills and knowledge, which enable graduates with capabilities of designing practical commercial plans and handling complex E-commerce projects. This program provides an opportunity to cultivate applicative talents with entrepreneur spirit, practical knowledge, managerial skills and leadership qualities. The program offers the following concentrations:

- Electronic Commerce management and operation
- Electronic Commerce system plan, design, develop and implement
- Electronic Commerce solution
- Electronic commerce theoretical frontiers and tendency

Highlights

- CCNU is one of the first 13 universities that have BS in electronic commerce degree granted by The Ministry of Education of the People’s Republic of China (MOE)
- The BS in electronic commerce program is national model of professional.
- Many students graduated from this program work in famous Internet Company in China, such as Alibaba, Tencent, and Huawei.

BS in Information Resources Management

Information resources management program is designed to meet the demand of social applications in the Big Data era, and uses the theories and methods of management science, information science to explore the deep excavation and applications of information resources. The main purpose of this program is to cultivate the advanced and innovative professionals who can master the knowledge of modern information technologies and management science, skillfully use the modern technologies to collect, organize, retrieval, analyze, evaluate, develop and use information resources, well understand the knowledge and skills of the information resource integration management and service application, and can be able to engage in information resources management in the state organizations, enterprises, institutions and other social organizations. The program offers the following concentrations:

- Basic theories and methods of management science, information science, etc.
- Theories and methods of data analysis and mining
- The theories and applications of enterprise competitive intelligence

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• Exploitation and utilization of literature information resources (technical reports, patents, etc.)
• Exploitation and utilization of network information resources

**MS in Information Science**

The Master of information science is an interdisciplinary program that emphasizes both management and information technology. The program at Central China Normal University provides a foundation of information management skills such as information collection, information description, information organization, information retrieval, information analysis, and information prediction. All graduates will be familiar with using information or information system to solve real-world demand related to information. To meet both the depth and breadth requirement, every student pursues a specialty in one of following areas:

• Information Science theory and method
• Information organization and retrieval
• Information system
• Data mining and knowledge management
• Information analysis and information service

**MS in Management Science and Engineering**

The Master of Management Science and Engineering (MS&E) program is an interdisciplinary graduate program that emphasizes both management and engineering perspectives in solving problems, making decisions, and managing risks addressing the technical and managerial needs of private and public organizations in the “Big Data” environment. The program at Central China Normal University provides a foundation of quantitative analytic skills such as data analysis, knowledge engineering, optimization, statistical modelling and operations management. All graduates will be familiar with developing mathematical models to solve real-world management problems. To meet both the depth and breadth requirement, every student pursues a specialty in one of four areas:

• Knowledge Management and Knowledge Engineering
• Information Management and Information System
• Business and Logistics
• Education Management engineering

**PhD in Information Science**

The PhD in information science is a program that researches the basic laws of the generation, acquisition, organization, storage, transmission, transfer, conversion and utilization of information, knowledge and intelligence, uses modern information technology to effectively manage and utilize them for analysis, integration, discovery, and provides decision support for learning, research, production, business and other activities. This program is dedicated to cultivating students with solid, broad basic theory and in-depth system expertise, comprehensive high quality. Graduates in this program have the ability to work in higher education institutions, professional research institutions, senior information management institutions and large enterprises. The program offers the following concentrations:

• Information theory and application
• Information organization and knowledge management
• Intelligence analysis and knowledge mining
• Information aggregation and information fusion

**PhD in Management Science and Engineering**

The PhD in management science and engineering is an interdisciplinary program with the combination of natural science and social science. It is based on the basic management theory and principle, quantitatively describes the complex management problems in the social and economic fields as the core, designs and develops new methods and technologies, innovative expansion of the application of technology, and use the methods and techniques of statistics, evaluation, optimization and decision-making to study the operation and monitoring of the organization so as to achieve the ideal performance goal and provide scientific basis for management decision-making. The program is dedicated to cultivating students with solid, broad basic theory and in-depth system expertise to enable students to work in higher education institutions or professional research institutions and to work in senior information management institutions in large enterprises and institutions. The program offers the following concentrations:

• Operation Research

[www.eduglopedia.org](http://www.eduglopedia.org)
• Management Information System
• Production and Operation Management
• Decision Analysis
ABOUT

The city of Xi'an, the oldest of the Four Great Ancient Capitals, has been the capital of ancient China for 13 dynasties and is home to several world-famous historical resorts such as the Terracotta Army and the Wild Goose Pagoda.

XJTU is a key university which is directly administered by the Chinese Education Ministry and is one of the oldest current institutions of higher education in China. Xi'an Jiaotong University, as one of the first universities entering the seventh and eighth five-plan, as well as China's "211 Project" and "985 Project", is selected to be developed into a global first-class university.

Originally founded in 1928, and restored in 1984, the School of Management, Xi'an Jiaotong University is one of the earliest management schools in China. It now has two state first-level key disciplines---Management Science and Engineering and Business Administration, and owns the doctoral program and the postdoctoral program within the two disciplines. The school is also one of the first experimental schools offering the MBA and the EMBA programs in China. The Information Management and E-Business Department now has 17 full time faculty members.
PROGRAMS

Master of Information Systems

The Master of Science program in Information Systems in Xi'an Jiaotong University provides great opportunities for both domestic and international students, with a focus on Business Analytics, Economics of IS, Decision Sciences and Electronic Commerce. The Information Systems and E-Business Department now has 18 faculty members. The program provides scholarships to international students.

Highlights

- 100% employment rate of graduates
- full scholarships
- low living cost
- international vision

PhD in Business Administration/focus on Information Systems

The PhD program in Information Systems in Xi'an Jiaotong University focuses on academic excellence and innovation. The Information Systems and E-Business Department now has 18 faculty members with a variety of research interests including Business Analytics, Economics of IS, Decision Sciences and Electronic Commerce. The PhD program is highly diversified with students from all over the world.

www.eduglopedia.org
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

Our goal is to be a leading academic department in cultivating business managers and professionals who possess up-to-date training and frontier knowledge of business technologies and services needed by companies and other institutions in Hong Kong, China, Asia Pacific and beyond.

The research of our faculty has been supported by governmental funding agencies in Hong Kong and China as well as corporations. Our staff members have diverse research interests in the areas of business intelligence, consumer information technologies, electronic commerce, service research, and social computing among others. We welcome opportunities to partner with business communities in Hong Kong, China, and other parts of the world to pursue excellent and high-impact research and development.

The department is a pioneer in teaching and research innovations and is well-resourced with state-of-the-art laboratories. Started in September 1990 with 15 faculty members, our department now has about 40 research and teaching staff. Recognised globally as one of the best information systems departments in the world, the department offers a comprehensive range of degree programmes from Bachelor to PhD levels in the areas of information systems, electronic commerce, Internet-based marketing, and global technology businesses.

Our colleagues are dedicated to student-centred learning. We want to offer all of our students many opportunities to gain professional competence and academic excellence by means of business internships with major corporations and academic exchanges with top universities in the world. As an integral part of education, the department actively supports our students in organising extra-curricular activities that help develop important sense and skills in character building, social networking and leadership cultivation.
PROGRAMS

BBA - Global Business Systems Management (GBSM)

There is an increasing number of multi-national companies using Hong Kong as a springboard and a regional hub to support their investments in China and the Asia-Pacific region. This has created a great demand for global business professionals trained in Hong Kong to analyze and manage such cross-country ventures. This major is the best choice if you want to become a global business professional, e.g. business manager or business analyst in a global venture or investment firm.

Aiming to nurture global business professionals, the GBSM major provides students with two overseas exchange opportunities in one academic year, one in Europe, North America or Australia, and another in Asia/ the Greater China Region.

Graduates can find jobs as global business managers, global technology business investors or business project managers in global investment firms or multinational corporations.

Highlights

- two overseas exchange opportunities
- global business management training
- integrate digital and traditional offline businesses

BBA - Information Management (IFMG)

This major aims to develop students with the professional knowledge and skills required in information management for the financial services. These includes three study streams:

I. Business Intelligence

II. Information Systems Auditing

Skillset equipped: business intelligence, big data analytics, and financial service management.

III. Internet Services and Social Networks

Skillset equipped: “Internet+” services (e.g., O2O services, social media and social network analytics, mobile applications, cloud services and big data analytics services).

Graduates can be engaged in positions in the financial services industry such as banking, accounting, insurance, or financial departments of large organizations. They can become data analysts, business analysts, systems analysts, or e-business specialists paving the way for promotion to management roles.

Highlights

- Business Intelligence
- Internet Services & Social Networks
- Information Systems Auditing

MSc - Information Systems Management

This programme aims to present at postgraduate level the theories, methods, support techniques and skills required for efficient and effective management of information in the business, commercial, industrial and public sectors. The programme has a very flexible programme structure. Students can choose one of the following three specializations, or customize their own specialization of study.

Specialization-1: Business Intelligence

Specialization-2: Social Media Management

Specialization-3: Technology and Entrepreneurship

www.eduglopedia.org
Highlights

- Flexible programme structure with 3 different specializations: Business Intelligence, Social Media Management, Technology and Entrepreneurship
- Work experience scholarship covering up to half of the tuition fee

MSc-Business Information Systems

The programme aims to train future business professionals in the core domains of business and cutting-edge information systems that underpin the contemporary information society. Graduates from the programme can excel in key professional or managerial positions that require both advanced business knowledge and IT-enabled problem solving skills.

Stream A is offered to applicants with a non-IT background and focuses on developing their competence in evaluating cutting-edge IT, coordinating IT-enabled business initiatives, and managing the operation of business information systems, so as to meet the business needs of the organization.

Stream B is offered to applicants with an IT/IS-related background and focuses on developing their business domain knowledge (e.g., finance, accounting, and marketing) and management skills, so that they boost their ability to meet business needs by leveraging IT/IS applications and managing cutting-edge IT/IS projects.

Highlights

- Scholarship with an amount above HK$45,000
- Hands-on Management Consulting Experience
- Strong Alumni Support
- Continuing Education Fund (CEF) to Hong Kong residents

MSc-Electronic Business and Knowledge Management

The Master of Science in Electronic Business and Knowledge Management (MScEBKM) programme has been constructed based on the realization that both e-business and knowledge management are critical components of the contemporary organisational environment. Business professionals need to understand the profound changes in the business environment, supply chains, organisational infrastructure and forms enabled and introduced by e-business. Further, they need to understand how organisations can leverage their employees' skills and knowledge. The programme covers a wide range of objectives, spanning technical, managerial and organisational change topics.

It aims to educate and train a new generation of managers, professionals and entrepreneurs to understand the principles of e-business, the impact of e-business on business and management, and its potential for strategic advantage in organisations.

Highlights

- E-Business
- Knowledge Management
- Problem Solving
- Global Applications

MSc-Electronic Commerce

This programme aims to produce a new generation of information technology (IT) professionals who will be competent in evaluating and developing electronic commerce systems and services within a business context. In contrast to eCommerce programmes offered elsewhere in Hong Kong, which tend to concentrate either on technology or business aspects, this programme takes a broad-based inter-disciplinary approach. Students will gain knowledge of core business and technical related subjects, together with an in-depth understanding of the specific business, legal, and technical issues involved in the exploitation of eCommerce, and the necessary knowledge and skills to analyze, plan, design, develop, and maintain electronic commerce application systems.

Highlights

- eCommerce
- Business & technical knowledge
- Interdisciplinary

www.eduglopedia.org
INDONESIA

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Faculty of Computer Science

UNIVERSITAS INDONESIA

Faculty of Computer Science
Universitas Indonesia
Faculty of Computer Science, Universitas Indonesia
16424 Depok
Indonesia

Contact: Achmad Nizar Hidayanto
Institution website: www.cs.ui.ac.id
EDUglopedia: eduglopedia.org/faculty-of-computer-science-universitas-indonesia

ABOUT

The establishment of the Faculty of Computer Science (FASILKOM UI) stemmed from the founding of University of Indonesia's Computing Centre (PUSILKOM UI) in 1972. This institution was established with the aim of developing the area of computer science in Indonesia.

The centralization of computer science related equipment and trained personnel in PUSILKOM UI over the next few years, along with the increased demand for graduates in the field meant that it was time for UI to create a program of study specifically in this field. 1986 saw the commencement of the undergraduate level program in Computer Science, with a masters program following suit in 1988. 1993 saw the formation of The Faculty of Computer Science; all of UI’s existing programs of study in computer science were then organized under this faculty.

Considering the rapid progress of ICT application in industry, Faculty of Computer Science UI opened Information Systems study program in 2007. Currently, the program has two main specializations, enterprise systems and information technology.

www.eduglopedia.org
PROGRAMS

Bachelor of Information Systems

The pace of development in the fields of CS and IT during the past decade has been very rapid. Advances in CS and IT has also triggered development work in many other fields, resulting in the implementation of technology that profoundly changes the way we perform our daily tasks.

FASILKOM UI’s CS and IT undergraduate programs give the opportunity to high school graduates to obtain an education in both of these fields, in line with the community’s increasing need for young professionals with these skills.

With its 20-year history, this program has been honed into a solid program in terms of quality of instruction and the relevance of the material presented.

Length of Study

Fasilkom UI’s regular undergraduate programs requires its students to obtain a minimum of 144 credits in order for them to receive their diplomas. A thesis or final project is optional.

Admission

Admission information can be viewed at http://www.simak.ui.ac.id. Online registration for prospective students can be done at http://penerimaan.ui.ac.id/id

Our Graduates

According to survey, most of Fasilkom UI’s graduates work both in national and international companies which work in IT consultant, banks, software industry, and other services sector. Some others work in the government / university, or continue to magister or doctor level. Several positions are available, such as: system analyst, IT manager, researcher, etc.

Highlights

- The best bachelor IS program in Indonesia

Master of Information Technology

During the last decade, Information Technology (IT) has been undergone a dramatic advancement. Today, IT plays major role within the business and management of modern organization. This has brought increasing trends in demand of IT professional capable in assessing, building, and deploying IT infrastructures.

Postgraduate Program in Information Technology (MTI), under the administration of Faculty of Computer Science, University of Indonesia, established in the year 1996 has a mission to fulfill the supply-demand gap between the industrial need and the availability of IT professionals. As most of our instructor and present student came from different backgrounds in industry or scientific areas and are experienced in their respective field, during their course, students will get the benefit from the richness of disparity of real-world-knowledge.

Area of competence which this program aims are:

- The core knowledge and expertise in IT.
- IT integration in business functions.
- Analytical skill
- Communication, interpersonal and teamwork skill within organization.

The MTI program is a 2 years master program with 40 loads of credit program. Upon completion, graduates will be awarded by the title "MTI" (Magister Teknologi Informasi/ Magister in Information Technology).
ABOUT

Keberhasilan Semen Indonesia Group dalam penerapan Good Corporate Governance salah satunya melalui implementasi Enterprise Resource Planning (ERP), mampu menjadi dukungan best practice dalam sistem pembelajaran di Program Studi Sistem Informasi UISI. Mahasiswa tidak hanya memiliki kompetensi unggul dalam mendayagunakan teknologi informasi (TIK) untuk menciptakan, memproses, dan mendistribusikan informasi sebagai solusi dan nilai tambah bagi bisnis perusahaan, namun juga spesialis dalam mengimplementasikan ERP.
PROGRAMS

Program Sarjana Sistem Informasi

The focus area Enterprise Resources Planning, and Information Systems Auditing are two excellence in the program. As part of this specialization, students acquire expertise relating to ERP implementation and IT Governance. Students who complete this focus area can gain access to the following professional careers: As an employee, with a certain amount of professional experience also as a project manager or head of department, in industrial or service companies, as well as in the banking sector and in public Administration, and in IT and management consulting.

Highlights

- enterprise resources planning
- information systems auditing
ABOUT

Universitas Airlangga (UNAIR or UA) is the second-oldest university in Indonesia and also a public university located in Surabaya, East Java. Despite being officially established by Indonesian Government Regulation in 1954, Universitas Airlangga was first founded in 1948 as a distant branch of the University of Indonesia, with roots dating back to 1913. It started with a medical school and school of dentistry. Now Universitas Airlangga hosts 15 faculties with more than 35,000 students (during the 2015-2016 academic year) and 1,570 faculty members. Universitas Airlangga has university hospitals for the faculties of Medicine, Veterinary Medicine, Nursing, and Dentistry, as well as a tropical infection hospital for its Institute of Tropical Disease. The university is also equipped with biosafety level three facilities.

Journal of Information Systems Engineering and Business Intelligence

Information Systems Universitas Airlangga organizes and publishes an international, electronic, and peer-review journal, Journal of Information Systems Engineering and Business Intelligence (JISEBI). JISEBI is seeking for an original and high-quality manuscript. JISEBI looking for energetic and enthusiastic researchers from around the world to become Editorial Board members. If you are interested in becoming our Editorial Board member, please submit your CV to jisebi(at)journal.unair.ac.id

www.eduglopedia.org
PROGRAMS

3-year Diploma of Information Systems

The 3-years Diploma of Information Systems has been designed as a foundation qualification which equips students with the fundamentals of information systems development in a practical manner.

Students completing the 3-years Diploma of Information Systems can either gain entry-level employment or obtain credit to complete the Bachelor of Information Systems or Information Technology.

Highlights
- Certificate of Competence by Indonesian Professional Certification Authority
- Programming
- Analysis and Design System

Bachelor of Information Systems

Bachelor program focusing in Information Systems fields. Main themes covered by the program: System Analysis, Software Development, Information Security, Project Management, IT Governance and Services, IS Audit, and Data Analysis.

S1 Study Program Information system UNAIR aims to produce graduates who have profiles a) Information Systems Solutions Developer, b) Information Systems Business Enabler, c) Information Systems Implementation Manager; and d) Communicator.

The description of each profile is as follows:
- Information Systems Solutions Provider: A graduate of Information Systems must be able to provide an effective and comprehensive information system solution to the organization to achieve its objectives.
- Information Systems Implementation Manager: Graduates of SI must be able to manage the application of information systems within the organization. Both operational and project.
- Information Systems Business Enabler: SI graduates must be able to identify business opportunities by utilizing information technology, as well as being able to develop process improvement solutions for organizational business optimization.
- Communicator: Graduates must be able to communicate effectively, both oral and written.

Highlights
- Journal of Information Systems Engineering and Business Intelligence
- Certificate of Competence by Indonesian Professional Certification Authority
- Excellent Information Systems With Morality
UNIVERSITAS AHMAD DAHLAN

Department of Information Systems
Universitas Ahmad Dahlan
JL. Prof Dr. Soepomo SH, Warungboto
Janturan, UH
55164 Yogyakarta
Indonesia

Contact: Mursid W. Hananto, Imam Azhari
Institution website: is.uad.ac.id
EDUglopedia: eduglopedia.org/department-of-information-systems-universitas-ahmad-dahlan

ABOUT

The Department of Information Systems is part of the Universitas Ahmad Dahlan (UAD), located in the city of Yogyakarta, a city unique for being the center of education in Indonesia. UAD is one of the universities in Indonesia that has been known to have national and international reputations. As part of the UAD, the Department of Information Systems is an undergraduate program that produces graduates with professional capabilities in the field of information systems. With the support of the infrastructure, resources, and experiences in this area, the Department of Information Systems is the choice for those who want to have the ability in the field of information systems and at the same time have the readiness to be able to develop and manage information technology which continues to grow rapidly.

www.eduglopedia.org
PROGRAMS

Information Systems S1

Information Systems S1 is also called Bachelor of Information Systems, an undergraduate program which provides our students with specific knowledge of Information Systems, coupled with the knowledge of information technology which serves as the fundamental base for the overall knowledge gained during their education. The program consists of 145 credits in total, and can be completed within 4 years.

Highlights

- Graduates are able to compete globally
- Graduates have more than adequate ability in this specific field
- Graduated individuals are reliable and have high integrity
- Graduates are competent individuals both in the development and management of information systems
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
The department of Industrial Engineering and Management (IEM) is part of the faculty of Engineering Science of Ben-Gurion University of the Negev (BGU) since 1969. Nodaway, with more than 30 faculty members and more than 1000 students, the IEM department is the largest of its kind in the state of Israel and among the largest departments at BGU, with great demand to its undergraduate and graduate programs.
Economics, Accounting, Finance, Marketing, Human resource management

In addition to mandatory courses, the vast majority (~80%) of the department undergraduate students elect the IS specialization, consisting of 7 courses:

- **IS Specialization Mandatory**: ICT infrastructure, IS strategy and management
- **IS Specialization Core (choice of at least 2)**: Web programming, Machine learning, Business intelligence, Knowledge management
- **IS Specialization Electives (a choice of up to 3)**: Information security, Case studies in data science, Big-data technologies, Enterprise resource planning (ERP), Information economics, Deep learning, Human-computer interface, Mobile applications development, and others.

**Highlights**

- Broadly acknowledged as top-quality undergraduate program
- Advanced and challenging engineering-level courses, offering state-of-the-art topics, technologies and tools.
- Strong emphasis on in-depth theoretical and analytical grounding as well as comprehensive hands-on practice.
- Program graduates, ~200 graduates annually, are on high demand in industry and praised by recruiters for their advances skill and high competence.

**M.Sc. in IEM, with Information Systems (IS) and Data Science (DS) Specializations**

The M.Sc. in Industrial Engineering and Management, is a research-oriented graduate program, offering specializations in Information Systems, Data Science, Production Management, Intelligence Systems, Ergonomics, Transportation Management, and Industrial Management.

**The IS specialization** trains students for professional or research positions as experts specializing in various aspects of IS - managerial, operational, and/or technological. Graduates of this specialization acquire knowledge that enables them to address diverse aspects related to the fast progressing and multidisciplinary IS field. The program consists of:
• **Mandatory courses**: Empirical research methods, IS policy, Business intelligence and analytics, Knowledge management

• **Elective courses**, 4 out of the following: Social-network analysis, Machine learning, Advanced statistics, Human-computer interface, Decision making, Computerized vision, Data visualization, and others

• **Research thesis**, supervised by a faculty members (Or, alternately, 4 additional electives)

**The Data Science specialization** introduces to student a broad perspective of the emerging discipline of data science. The program consists of:

• **Mandatory courses**: Empirical research methods, Machine Learning and Data Mining

• **Core courses**, at least 3 out of the following: Advanced statistics, Multivariate statistics, Data analysis with R, Computerized vision, Business Intelligence and Analytics.

• **Elective courses**, up to 3 of the following: Statistics laboratory, Advanced topics in machine learning, Data visualization, Deep learning, and others.

• **Research thesis**, supervised by a faculty members

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**Ph.D. in IEM**

The department encourages outstanding candidates to apply for studies towards the doctorate (Ph.D.) in all fields of research at the IEM department. Ph.D. students register to BGU’s Kreitman school of Advanced Graduate Studies, and supervised by faculty members. General information regarding required preconditions, registration, acceptance and study regulations can be found on Kreitman school's website ([https://in.bgu.ac.il/kreitman_school](https://in.bgu.ac.il/kreitman_school)). A list of IEM faculty members, their research interests and contact information can be found at the departmental website ([http://in.bgu.ac.il/engn/iem](http://in.bgu.ac.il/engn/iem)).
SHAMOON COLLEGE OF ENGINEERING

Department of Industrial Engineering and Management
Shamoon College of Engineering
56 Bialik St.
84100 Beer-Sheva
Israel

About

SCE, the Shamoon College of Engineering, founded in 1995, is the largest academic engineering college in Israel today with a student body of 5,500 and choice of six departments. The college offers programs leading to Bachelor and Master of Engineering degrees.

SCE goal is the realization of the human potential by making education accessible to all sectors of Israeli society, especially in Israel’s southern periphery. This is expressed in our commitment to the pursuit of excellence, innovation, and community involvement.

Contact: Gali Naveh
Institution website: www.sce.ac.il/eng

www.eduglopedia.org
PROGRAMS

Information Systems track

Shamoon College of Engineering offers a B.Sc. degree in Industrial Engineering and Management with a specialization in Information Systems. Courses taught in this program covers technological, organizational and managerial aspects of information system development and operation.

Highlights

- B.Sc. in Industrial Engineering and Management with specialization in Information Systems
- Project oriented approach is applied in some courses
SOUTH KOREA

Economy

Services

Interdisciplinary

Business

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

The Technology Management, Economics, and Policy (TEMEP) Department is determined to foster professional manpower with expertise in both technology and management. Through the creation of systematic and proper program focused on diverse research activities, we are committed to our vision of being a globally recognized "Education Hub of the World" in the 21st century.
PROGRAMS

Technology Management, Economics and Policy Doctorate in Economics

Students shall complete subjects such as economics, engineering, and political science in compliance with majors for which they want to acquire academic degrees. The subjects include those offered by Techno-Economics, Management, and Policy Program and those offered by the Economic School, Business Administration Department, Graduate School of Public Administration, and Engineering College. All the subjects are classified into required majors and selective majors, and students need to complete somewhat different subjects depending upon academic degrees they desire to acquire.

Highlights

- Interdisciplinary Study

Technology Management, Economics and Policy Doctorate in Engineering

Students shall complete subjects such as economics, engineering, and political science in compliance with majors for which they want to acquire academic degrees. The subjects include those offered by Techno-Economics, Management, and Policy Program and those offered by the Economic School, Business Administration Department, Graduate School of Public Administration, and Engineering College. All the subjects are classified into required majors and selective majors, and students need to complete somewhat different subjects depending upon academic degrees they desire to acquire.

Highlights

- Interdisciplinary Study

Technology Management, Economics and Policy Master in Business Administration

Students shall complete subjects such as economics, engineering, and political science in compliance with majors for which they want to acquire academic degrees. The subjects include those offered by Techno-Economics, Management, and Policy Program and those offered by the Economic School, Business Administration Department, Graduate School of Public Administration, and Engineering College. All the subjects are classified into required majors and selective majors, and students need to complete somewhat different subjects depending upon academic degrees they desire to acquire.

Highlights

- Interdisciplinary Study

Technology Management, Economics and Policy Master in Economics

Students shall complete subjects such as economics, engineering, and political science in compliance with majors for which they want to acquire academic degrees. The subjects include those offered by Techno-Economics, Management, and Policy Program and those offered by the Economic School, Business Administration Department, Graduate School of Public Administration, and Engineering College. All the sub-

http://itemep.snu.ac.kr/front/education/Curriculum

Highlights

- Interdisciplinary Study

www.eduglopedia.org
Subjects are classified into required majors and selective majors, and students need to complete somewhat different subjects depending upon academic degrees they desire to acquire.

Highlights

- Interdisciplinary Study

**Technology Management, Economics and Policy Master in Engineering**

Students shall complete subjects such as economics, engineering, and political science in compliance with majors for which they want to acquire academic degrees. The subjects include those offered by Techno-Economics, Management, and Policy Program and those offered by the Economic School, Business Administration Department, Graduate School of Public Administration, and Engineering College. All the subjects are classified into required majors and selective majors, and students need to complete somewhat different subjects depending upon academic degrees they desire to acquire.

Highlights

- Interdisciplinary Study

**Technology Management, Economics and Policy Master in Public Administration**

Students shall complete subjects such as economics, engineering, and political science in compliance with majors for which they want to acquire academic degrees. The subjects include those offered by Techno-Economics, Management, and Policy Program and those offered by the Economic School, Business Administration Department, Graduate School of Public Administration, and Engineering College. All the subjects are classified into required majors and selective majors, and students need to complete somewhat different subjects depending upon academic degrees they desire to acquire.

Highlights

- Interdisciplinary Study
POHANG UNIVERSITY OF SCIENCE AND TECHNOLOGY (POSTECH)

Department of Industrial & Management Engineering
Pohang University of Science and Technology (POSTECH)
Chungamro 77
37673 Pohang
South Korea

ABOUT

Ever since its establishment in 1986, POSTECH has stayed true to its role in Korean higher education as a pioneer in science and technology research. Located in the city of Pohang, the 400-acre, park-like campus is home to the Pohang Accelerator Laboratory and minutes away from POSCO, the fourth-largest steelmaking company in the world. POSTECH has come a long way in its short history to become globally recognized as one of Asia’s premier universities and among the most selective, highly ranked research universities in Korea.

POSTECH IME is made up of 26 faculty members including Emeritus, 152 undergraduate, 83 graduate students, and 8 administration staff members. The Department is pursuing an understanding of engineering technology and management by combining the contents of business administration with the existing industrial engineering field. While Industrial Engineering deals with the systematic planning, design, and optimization of complex industrial systems, Industrial and Management Engineering extends its coverage to more comprehensive fields, including the service industry, information industry, and management science.

Contact: Minseok Song
Institution website: www.postech.ac.kr
The mission of IME is to cultivate creative leaders in the era of convergence and innovation based on the core competencies of POSTECH. To achieve this mission, we focus on providing specialized education and research programs based on the unique strengths of the Department; conducting research that significantly contributes to the academia and to the industry; and fostering the development of young talents with systems thinking capability, passion, and humanity.
PROGRAMS

B.Sc. Industrial & Management Engineering

Industrial and Management Engineering improves the efficiency and productivity of work processes. It uses science and technology to properly manage all kinds of resources including human resources, and analyzes and designs complex systems of economy and society. Industrial and Management Engineering includes various types of knowledge such as optimization, economics, business administration, statistics, and computer and science engineering, and is applied to information, logistics, manufacturing, production and quality management, and economic, management, and financial systems. Graduates may choose to pursue their career in business management, investment banking, government agencies, consulting, and business creation, or select to be academic scholars in the related fields.

The undergraduate curriculum provides the engineering system analysis training needed to plan, design, and implement complex economic or technical management systems that require scientific and engineering background knowledge. Also the curriculum allows students to have a deeper level of professional understanding in the area by choosing one of the two key areas: industrial engineering and management engineering. Based on basic courses of engineering Mathematics, engineering foundation, general physics and chemistry, the curriculum mainly deals with product engineering, computer and science engineering, information systems, human factor engineering, quality engineering, production management, optimization, probability, statistics, and finance. Through these curriculum, students will be able to learn a variety of areas, and after the junior year, they will be able to select areas of interest and concentrate on them.

Highlights
- Operations Management
- Operations Research
- Information Systems Engineering
- Human Factor Engineering
- Financial Engineering

Master of Industrial & Management Engineering

Recent environmental changes such as developments in technology, globalization, shortened product life cycles, and the combination of products and services have changed the role of industrial engineering. The Department of Industrial and Management Engineering provides a program in the management field on the basis of traditional industrial engineering. Industrial and Management Engineering aims to provide a knowledge base and skillset that enable organizations to achieve effective optimization and continuous improvement.

Therefore, the Graduate School of Industrial and Management Engineering has three research groups: SDM (System Design Management), OIM (Operations & Information Management) and STM (Strategic Technology Management). Under the three research groups, education and research are conducted focusing on seven key areas: product lifecycle engineering, human factor engineering / human computer interaction, management science and SCM, data mining, financial engineering, service science and strategic technology management. Available to graduate students who are selected as teaching or research assistants by their advisors.

Ph.D in Industrial & Management Engineering

Recent environmental changes such as developments in technology, globalization, shortened
product life cycles, and the combination of products and services have changed the role of industrial engineering. The Department of Industrial and Management Engineering provides a program in the management field on the basis of traditional industrial engineering. Industrial and Management Engineering aims to provide a knowledge base and skillset that enable organizations to achieve effective optimization and continuous improvement.

Therefore, the Graduate School of Industrial and Management Engineering has three research groups: SDM (System Design Management), OIM (Operations & Information Management) and STM (Strategic Technology Management). Under the three research groups, education and research are conducted focusing on seven key areas: product lifecycle engineering, human factor engineering / human computer interaction, management science and SCM, data mining, financial engineering, service science and strategic technology management. Available to graduate students who are selected as teaching or research assistants by their advisors.
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
LEBANESE INTERNATIONAL UNIVERSITY

School of Business, MIS Department
Lebanese International University
Mouseitbeh, Mazraa, PO Box: 146404 Mazraa
Building F, 1st Floor
- Beirut
Lebanon

Contact: Lina Shouman, Heba Tannous
Institution website: www.liu.edu.lb
EDUglopedia: eduglopedia.org/school-of-business-mis-department-lebanese-international-university

ABOUT

The Lebanese International University (LIU) is on the path to becoming a truly great university known for its quality programs, dedication to students, and commitment to the community. The first priority of LIU will always be the education it provides. We will look to our faculty for leadership in focusing and shaping this priority, and thus prepare our students for tomorrow's global world.

As committed as ever to our mission, we will continue working closely with students to ensure their successful education, from commencement through to graduation. To support us in moving forward students are encouraged to study deeply, to question boldly, to debate strongly, to analyze critically, and to resolve differences in the context of varied perspectives.
PROGRAMS

Management Information Systems

The management information systems program provides students within Lebanon and the Middle Eastern region with the knowledge and real world skills to be developers of change within industries, which will lead towards progress of the wider community. The integration of business and information technologies will empower students to align strategies and complex business ecosystems. The program provides a foundation for students in data management, system analysis and design, quantitative analysis of management, operations management, programming, business telecommunications, e-business, business intelligence systems, and knowledge management, which creates an advancement in technical and business roles within a competitive local and global environment.

Highlights

- Developing the students’ knowledge within specialized domains such as data management, operational management, system analysis and design, business telecommunications and networking, business intelligence, and knowledge management.
- Cooperating with local and national organizations to provide internships for students.
- Enhancing the prospects of potential students within the management information system major by providing a vision for sustainable competitiveness within business industries of the MENA region.
MIDDLE EAST UNIVERSITY

Computer Science
Middle East University
P.O. Box 90-481
1202-2040 Metn
Lebanon

Contact: Ronald Vyhmeister
Institution website: www.meu.edu.lb
EDUglopedia: eduglopedia.org/computer-science-middle-east-university

ABOUT

Founded in 1939, Middle East University serves Lebanon, the MENA region and beyond, offering wholistic education to all interested individuals. Located in a beautiful setting, it is like a country atmosphere, yet with the city in sight.

The University offers the BS in Computer Science, the BS in Information Systems, and the MS in Computer Science, in addition to the BBA in Management Information Systems
PROGRAMS

BS in Computer Science

Focuses on the study of computing as well as its role in an application area. It prepares students for graduate study, employment in computer systems, and careers in education.

Highlights

- Small classes
- Practical opportunities

Information Systems

The program equips students with the ability to integrate information systems into the business environment. The degree focuses on the effective design, development and implementation of information and communications technology (ICT) resources to ensure information systems, applications and resource viability in various industry sectors.

The program is intended to train students in conceptualizing, designing, implementing, maintaining and managing information and communications technology resources in specific and applied environments. The program recognizes that technology has now penetrated the realm of business, education, government and other organizations. This program is designed to produce students who recognize this impact and the potential of technology in the society of the future.

MS in Computer Science

The MS degree in Computer Science exposes students to advanced knowledge and skills in computing and prepares them for research careers and technical positions.

Highlights

- Small Classes
- International Faculty
MALAYSIA

The following institution provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Faculty of Computing
Universiti Teknologi Malaysia
BLOK N28A, FAKULTI KOMPUTERAN
UNIVERSITI TEKNOLOGI MALAYSIA
81300 Skudai
Malaysia

ABOUT
Universiti Teknologi Malaysia (UTM), an innovation-led and graduate-focused Research University. It is located both in Kuala Lumpur, the capital city of Malaysia and Johor Bahru, the southern city in Iskandar Malaysia, which is a vibrant economic corridor in the south of Peninsular Malaysia.

Our Philosophy

Contact: Rose Alinda Alias
Institution website: www.utm.my/
EDUglopedia: eduglopedia.org/faculty-of-computing-universiti-teknologi-malaysia

www.eduglopedia.org
The divine law of Allah is the foundation for science and technology. UTM strives with total and unified effort to attain excellence in science and technology for universal peace and prosperity in accordance with His will.

Our Strategic Thrusts

- to human capital development by providing quality education.
- leadership & contribution through research & innovation.
- desirable image & branding that fulfills the requirements of stakeholders.
- to society through community engagement and outreach.
This is a guided full research PhD programme for those who intend to further their studies in the field of Information Systems. The main aim of the programme is to educate professionals and academic research scholars to perform high quality IS research. They will be able to apply the Information Systems and Technology theories in analyzing and solving real organizational problem innovatively.

This programme is designed in such a way that students will be guided in developing the technical and empirical research skills. The taught courses in the first year introduce the students with a broad knowledge of research paradigms, Information Systems theory and current Information Systems research. Through research methodology course, different research orientations and methods will be introduced.

**Highlights**

- Produce a high quality thesis under the supervision of a qualified member of academic staff
- Make an original and significant contribution to knowledge in information systems and operations management

**MASTER OF INFORMATION TECHNOLOGY Specialization INFORMATION TECHNOLOGY MANAGEMENT**

This program is designed for candidates who wish to obtain knowledge of applying Information Technology (IT) in variety of context, such as Management, Education, Library and Information Services, Manufacturing and others.

This program aims at producing responsible, innovative and creative graduates of IT Managers, IT Consultants, or IT Experts with skills in analyzing, planning, designing, and managing variety of Information Communication Technology (ICT) based solutions to different kind of organizations.

The implementation of this program is in term of mixed mode, which involving taught course and research. The credit hours for taught courses and research are 21 and 24 credits respectively. To graduate, student needs to achieve a total of 45 credit hours with minimum CGPA of 3.0. Upon graduation, student will be awarded with MASTER OF INFORMATION TECHNOLOGY Specialization INFORMATION TECHNOLOGY MANAGEMENT.

**Highlights**

- This program is a professional stream program. This program is to produce Information Technology (IT) professionals who are able to apply their knowledge and skills for the benefit of industry, public sector and commercial organizations.

**Master of Science (Information Technology Entrepreneurship)**

The program's objective is to produce IT entrepreneurs (IT Technopreneurs) at the postgraduate level. This is an effort to increase the number of highly skilled local IT technopreneurs as the developers of hardware, software and creative content. The expected duration for Full-time program is 1.5 years (3 regular semesters + 1 short semester). Technopreneurs are needed to complete 45 credits before graduation where 12 credits are dedicated to completing an IT-based product development project. For full-time students, three series of Entrepreneurship Modules (Series 1, 2 & 3) are offered to technopreneurs within the duration of their studies, which are normally scheduled during semester breaks.

Besides the normal class lectures, this program also adopts a Teaching Factory concept where technopreneurs have to undergo extensive practical exposure to enhance their business as well as their entrepreneurial skills. Industrial involvement is eminent to the success of this program, thus, technopreneurs will be engaged to industrial or business mentors through the Mentoring & Coaching concept introduced. To
further equip the technopreneurs to become more competent, innovative, versatile, and possess ethical entrepreneurial values, they will be exposed to various kinds of external entrepreneurial programs such as seminars, series of short courses, business discourse, workshops, business forums & networking, business competitions, and business visits.
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:
CARNEGIE MELLON UNIVERSITY IN QATAR

Information Systems
Carnegie Mellon University in Qatar
P.O.Box 24866
Education City
24866 Doha
Qatar

Contact: Daniel Phelps
Institution website: www.qatar.cmu.edu/
EDUglopedia: eduglopedia.org/information-systems-carnegie-mellon-university-in-qatar

ABOUT

Carnegie Mellon University in Qatar, a branch campus of Carnegie Mellon University, offers undergraduate programs in biological sciences, business administration, computational biology, computer science and information systems. All graduates of Carnegie Mellon University in Qatar receive their degrees from Carnegie Mellon University.
Students may specialize in social and global aspects of technology, in technology and applications development, in applications of technology to business, or in user experience in design. The program offers breadth by exposing students to four areas fundamental to understanding and solving problems in information systems: organizations, decision making, research methods and professional communications. Courses in mathematics, statistics and computer programming provide students with strong quantitative skills to meet the technical demands of the discipline.

Career Paths and Potential Employers

Information systems professionals are forward-looking people. They bring about changes in how firms and governments will do their business tomorrow. They embrace new information technologies and use them to transform how we do our work. They are always ahead of the curve.

Typical career fields for new information systems graduates include project managers, IT and risk management consultants, entrepreneurial careers, business analysts, web and mobile applications developers, applications designers, and user experience testing.

Graduates of the program in Qatar are recruited by a wide range of employers, including KPMG, Shell, Qatar Petroleum, RasGas, Doha Film Institute, iqtQatar and Qatar Airways. In Pittsburgh, graduates have historically pursued careers at leading software organizations such as Microsoft, IBM Consulting, Oracle, Google, Yahoo and Amazon. Banks such as Credit Suisse, HSBC and Citigroup, various government organizations, and hospitals are also traditional employers for information systems graduates.

Highlights

- Application Development
- Global Perspectives
- Information Systems
- Information Systems Management
- Information Technology
The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

The Department of Information Systems has a long track record in grooming both practitioner and thought leaders for the digital economy and IT workforce. The department’s internationally recognized faculty members perform research in the areas of business analytics, economics of information systems, electronic commerce, social computing, service systems, healthcare informatics, management of information systems.

The department offers two undergraduate degree programs -- Bachelors in Computing in Information Systems and Bachelors of Science in Business Analytics. Recent graduates from our undergraduate programs have gone on to pursue careers in a broad range of industries such as Technology (e.g., Facebook, IBM, Microsoft, Singapore Technologies), Consulting (e.g., Accenture, Deloitte, Ernst and Young, Touche, KPMG), Financial Services (e.g., Barclays Capital, Goldman Sachs, Merill Lynch, Singapore Exchange) and Entrepreneurship, among others; and a broad range of job functions such as Business/Systems Analysts, Consultants, Data Scientists, E-Business Strategists, Internet Marketing Specialists, Online Retailing Specialists, Process Analysts, Project Managers, Solutions Designers/Architects and Supply Chain Specialists, among others.

The department also offers a PhD program in Information Systems with specialization in three areas -- Economics of IS, Behavioral Science and Design Science. Many of our PhD graduates pursue careers in research and/or teaching in academia and industry. Our PhD graduates have been placed as faculty members at institutions all around the world including in Singapore (NUS, NTU, SMU, SIM), Australia (Royal Melbourne Institute of Technology, University of New South Wales, University of Sydney, University of Wollongong), China/Hong
Kong (City University of Hong Kong, Chinese University of Hong Kong, East China University of Science and Technology, Fudan University, Hong Kong University of Science and Technology, Nanjing University, Renmin University, Shenzhen University, Tsinghua University, Xi'an Jiaotong University), Japan (Tokyo Institute of Technology), India (Indian Institute of Management Kozhikode, Shri Sankaracarya Institute of Management and Technology), and Europe (Aston University (UK), Lancaster University (UK), Loughborough University (UK), ESSEC Business School (France), ETH Zurich (Switzerland)) and the USA (Clarkson University, Pennsylvania State University, Simmons College). Many others have gone on to research and leadership positions in industry / government (DBS, IDA, A*STAR, MOH, SingTel, Standard Chartered Bank).
PROGRAMS

Bachelor of Computing in Information Systems (Honours)

The four-year IS programme provides a stimulating education that equips students with the ability to integrate infocomm technology fundamentals with domain expertise to develop innovative solutions for organisations. Through projects and case studies that are aligned with industry best practices, students will develop an in-depth understanding of the strategic exploitation of infocomm technology in emerging organisational forms. Students become proficient in the design and development of infocomm solutions and the management of infocomm projects. Such skills are vital in helping students develop careers that are being emphasised in the iN2015 plan, such as technologist, solution architect, and infocomm project manager.

Bachelor of Science in Business Analytics (Honours)

The Bachelor of Science (Business Analytics) degree programme is an inter-disciplinary undergraduate degree programme offered by the School of Computing with participation from the Business School, Faculty of Engineering, Faculty of Science, and Faculty of Arts and Social Sciences. This is a four-year direct honours programme which offers a common two-year broad-based inter-disciplinary curriculum where all students will read modules in Mathematics, Statistics, Economics, Accounting, Marketing, Decision Science, Industrial and Systems Engineering, Computer Science and Information Systems. Students in their third and fourth years of study may choose elective modules from two lists of either functional or methodological elective modules. Functional elective modules span business functions or sectors of marketing, retailing, logistics, healthcare, etc. Methodological elective modules include those related to big data techniques, statistics, text mining, data mining, social network analysis, econometrics, forecasting, operations research, etc. In sum, these elective modules span the most exciting and challenging areas of business analytics practice in the industry today.

Master of Computing in Information Systems

The Master of Computing programme is a comprehensive and challenging graduate programme with area specialisations. It encompasses latest research findings, both applied and fundamental. The programme also provides advanced and in-depth knowledge of IT to prepare the students for challenges in IT career.

Master of Science in Business Analytics

The Master of Science in Business Analytics (MSBA) is an intensive programme that can be studied both on a full-time or a part-time basis. The programme is aimed at recent graduates and industry practitioners specializing in engineering, computing, science, mathematics, statistics, business or economics. The programme is conducted entirely in Singapore.

Master of Technology in IT Leadership

A professional Master’s degree programme to prepare, develop and nurture the next generation of IT leaders for Asia.

The Master of Technology in IT Leadership (MTech ITL) degree is jointly offered by the NUS Institute of Systems Science (ISS) and the NUS School of Computing to equip IT leaders with the right thinking and capabilities to ride the digital wave and lead technology value realisation in the organisation.

PhD in Information Systems

The Information Systems PhD program is a premier research-based programme leading to a doctoral degree. Students in this programme spend the first two semesters on advanced
courses before embarking on a research project that culminates in a research dissertation.

Highlights

• multidisciplinary coursework
ABOUT

A premier university in Asia, the Singapore Management University (SMU) is internationally recognised for its world-class research and distinguished teaching. Established in 2000, SMU’s mission is to generate leading-edge research with global impact and produce broad-based, creative and entrepreneurial leaders for the knowledge-based economy. SMU education is known for its highly interactive, collaborative and project-based approach to learning, and for its technologically enabled pedagogy of seminar-style teaching in small class sizes.

SMU has an emphasis on generating rigorous, high-impact, and relevant multi-disciplinary research that addresses Asian issues of global relevance. SMU faculty members collaborate with leading international researchers and universities from USA, Europe, China and India, as well as with partners in the business community and public sector, through its research institutes, centres and labs. SMU’s city campus is a state-of-the-art facility located in the heart of downtown Singapore, fostering strategic linkages with business, government and the wider community.

The School of Information Systems (SIS), one of the six schools under SMU, is recognised internationally for its innovative research and education focused on Information Systems Technology, Information Systems Management and issues at the intersection of IS related technology and management.

www.eduglopedia.org
PROGRAMS

Information Systems

The BSc (IS) program is a business-IT program that focuses on designing and applying the technologies to develop innovative application in business settings and using these applications to improve business performance.

Highlights

- The program is about designing, building, deploying and managing software applications that address business challenges and problems
- Students learn through projects
- We have a very strong peer-peer culture, where students help each other
- Our graduates are highly sought after by major employers and command strong starting salaries
- 100% of our students gain real-world experience through internships and capstone projects

Master of Applied Information Systems

Master of Applied Information Systems (MAIS) programme is designed to enhance your knowledge and skills by providing you with a broad view of information systems, in addition to valuable hands-on experiences. If you are interested in developing new technologies and creating innovative applications, MAIS will be ideal for you. Infocomm industry has been a key contributor to economic development and the driving force behind the fast growing knowledge-based economy in Singapore. Infocomm technologies are the foundation for many applications in industry, government and other institutions. Singapore needs to have an info-comm-savvy workforce and globally competitive infocomm manpower to sustain national economic competitiveness.

This programme is distinctive in its emphasis on industrial strength projects as an essential component of the curriculum. You will not only acquire knowledge in the classroom but also be expected to confidently and innovatively apply what you have learned.

Master of IT in Business

The definitive Master of IT in Business (MITB) programme will give you an unparalleled edge with the knowledge of data, processes, technologies and management strategies. With two unique specialisation tracks to choose from, you will be poised to lead the industry in a time of transformation.

Master of Information Systems

The Masters by research programme is designed to provide students with a solid foundation in the specializations of data management and information retrieval, information security, information systems management, intelligent decision support systems, or software systems.

This programme is intended for:

- Candidates who aspire to an IT professional career, such as IT consultant, IT architect, IT project manager or instructor.
- Candidates who plan to work in research and development, or product innovation.
- Candidates who wish to prepare for PhD studies.

PhD in Information Systems

OUR MISSION

To produce PhD graduates with expertise at the intersection of IT and business for R&D units and applied academic institutions. To establish SIS as a distinct research and teaching school in Asia that attracts high-caliber professors, and influences academic research and industry practices.

OUR GOAL
To develop researchers/educators who address deep technology challenges in real information systems that impact business processes or management, or who develop tools and methodologies to translate business goals to technology solutions. Our PhD graduates will be capable of collaborating with faculty members from different research areas, designing technology solutions for real-world problems and applications, while still producing top-rate academic publications.
TAIWAN

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
Department of Information Management
National Sun Yat-sen University
70, Lianhai Rd., Gushan District.
804 Kaohsiung
Taiwan

ABOUT

Consistent with the mission of the College of Management at National Sun Yat-sen University, the Department of Information Management has committed to prevalence of education and research in Information Systems (IS).

According to an article of the Communications of the AIS in 2006, after surveying 1,486 papers published in the top seven IS journals from 2001 to 2005, the research productivity of our department was ranked top fifty worldwide, the same as Boston University and a couple of other top universities. In addition, the remarkable amount of grants received also represents the effort that our faculty members devote to research.

Most faculty members in our department hold Ph.D. degrees from prestigious universities world-wide and are highly dedicated to higher education. They have solid training in their respective fields and conduct research continuously to advance their knowledge, research and teaching levels. The research performance of our faculty members are usually ranked as top three nationally. For example, the previous Dean, Dr. Ting-Peng Liang, was awarded the Ministry of Education (MOE) Academic Award and the National Science Council (NSC) Outstanding Research Award. These awards are the most prestigious honors in Taiwan. The current Dean of the College, Dr. Jen-Her Wu, who is a senior faculty member in our department, has served as an associate editor of Computers in Human Behavior (SSCI) since 2005. Another faculty member, Dr. Nian-Shing Chen, is now a Co-Editor of Educational Technology & Society journal (SSCI) and has been granted as Distinguished Professor.

Our College is one of the most internationalized colleges in Taiwan, which offered the first master's program lectured in English, and was the first to obtain AACSB accreditation in 2005 and reaccreditation in 2010. Our reputation and globalization has been well recognized, and we will maintain such high quality and strive toward a higher level. The current department Chief, Dr. San-Yih Hwang, is committed to continue this international orientation, and to endeavor to enhance students' English proficiency and communication skills.
PROGRAMS

SYSTEMS ANALYSIS AND DESIGN

The course is designed to provide an in-depth examination of the nature and development of information systems. The focus is on how systems analysis and design technique, language, model, principle, and tool can be applied, adapted, extended, and integrated in support of systems analysis and design activities. The orientation is highly practical, with hand-on learning experience. The coverage aims to be state-of-the-art, emphasizing the implementation of CASE tool and the latest possibilities for modeling user requirement and designing or devising information systems with the support of CASE tools. No prior exposure to algorithm or networking is assumed. However, familiarity with business problems and programming is assumed.

Highlights

- Understanding the models, principles, languages, methods, and tools of systems analysis and design (SA&D).
- Use our understanding of SA&D knowledge to rethink our conceptions of SA&D, and to develop an effective and solid perspective.
ABOUT

The Department of Information Management at National University of Kaohsiung (NUKIM) is dedicated to cultivating mid-level and senior professionals who fit the challenging needs of both research institutes and industries. Research and teaching interests of faculty members cover Information Management, Information Technology, as well as Integrated Applications of Information Technology. Courses are offered in accordance with these three main themes.

The long-term development goals of NUKIM are:

- To cope with the emerging trends of information society and knowledge-based competition, and to apply information technology and knowledge assets to assisting the improvement of management efficiency in industries and government agencies.
- To foster the infusion of information technology and knowledge assets into business models to establish competitive businesses and efficient government that envisions the 21st century as an information- and knowledge-based society.
- To exploit international cooperation and exchange resources in pursuit of academic excellence in the field of information systems and social networks research.
- To serve the society with quality human resource, proactive academic achievement, and prominent research outcomes.
PROGRAMS

Bachelor of Business Administration/Major in Management Information Systems

NUKIM offers the Bachelor of Business Administration degree with a major in Management Information Systems. Courses offered include technical parts that are required for information systems development and integration. Also offered cover managerial parts to assist students understand the processes of business operations as well as business management. Students therefore develop expertise regarding the application of information technology to enhance operational efficiencies and competitive advantages of businesses. Moreover, students are encouraged to explore new directions of information technology usage, whether in business models, marketing management, service design and innovation, consumer behavior, electronic commerce, and social networks. Students completing this program have potential to develop professional careers in areas such as IS development and integration, IT management and consulting, service management, marketing, and electronic commerce.

Highlights
- International exchange and dual-degree programs
- Attractive tuition fees
- Industrial cooperation and research projects

Master of Business Administration/Major in Management Information Systems

NUKIM offers master programs with specific focuses on Information Technology and Information Management, respectively. Students completing requirements of each group are offered the degree of Master of Business Administration with a major in Management Information Systems. NUKIM has strong focus on social networks research. Through a series of successful academic events such as international conferences, exchange programs, and international research projects during the past few years, NUKIM has built its prestigious reputation in the community of social networks research. With the tradition of close relationship with the industry, graduates students has plenty opportunities to develop and apply their research ideas from and to the real business environment. NUKIM currently has eleven faculty members who endeavor to actively participate in the global IS community and publish in prestigious journals in search of academic excellence.

Highlights
- Industry exposure and contacts
- International exchange and cooperation opportunities
- Attractive tuition fees
Further institutions on EDUGlopedia:

University of Dhaka
Department of Management Information Systems
EDUGlopedia: eduglopedia.org/go/department-of-management-information-systems-university-of-dhaka

Harbin Institute of Technology
School of Economy and Management

Harbin Institute of Technology
School of Management
EDUGlopedia: eduglopedia.org/go/school-of-management-harbin-institute-of-technology

Jiangsu University of Science and Technology
School of Economy and Management

Peking University
Guanghua School of Management
EDUGlopedia: eduglopedia.org/go/guanghua-school-of-management-peking-university

Renmin University of China
School of Information
EDUGlopedia: eduglopedia.org/go/school-of-information-renmin-university-of-china

Shanghai Jiao Tong University
Antai College of Economics and Management
EDUGlopedia: eduglopedia.org/go/antai-college-of-economics-and-management-shanghai-jiao-tong-university

United International College
Division of Business and Management
EDUGlopedia: eduglopedia.org/go/division-of-business-and-management-united-international-college

www.eduglopedia.org
Xi`an University of Finance and Economics
Information Management and Information System

Xiamen University
School of management
EDUglopedia: eduglopedia.org/go/school-of-management-xiamen-university

Alliance University
Alliance School of Business
EDUglopedia: eduglopedia.org/go/alliance-school-of-business-alliance-university

Indian Institute of Management Calcutta
Management Information Systems
EDUglopedia: eduglopedia.org/go/management-information-systems-indian-institute-of-management-calcutta

Indian Institute of Management Kozhikode
Information Technology & Systems
EDUglopedia: eduglopedia.org/go/information-technology-systems-indian-institute-of-management-kozhikode

Management Development Institute
Information Management
EDUglopedia: eduglopedia.org/go/information-management-management-development-institute

Institut Bisnis dan Informatika Stikom Surabaya
Information Systems Department
EDUglopedia: eduglopedia.org/go/information-systems-department-institut-bisnis-dan-informatika-stikom-surabaya

Institut Teknologi Sepuluh Nopember
Department of Information Systems
EDUglopedia: eduglopedia.org/go/department-of-information-systems-institut-teknologi-sepuluh-nopember

www.eduglopedia.org
Maranatha Christian University
Information Systems Study Program
EDUglopedia: eduglopedia.org/go/department-of-information-systems-institut-teknologi-sepuluh-nopember

State Islamic University Syarif Hidayatullah Jakarta
Information Systems
EDUglopedia eduglopedia.org/go/information-systems-state-islamic-university-syarif-hidayatullah-jakarta

STIMIK Pro Visi
Sistem Informasi
EDUglopedia eduglopedia.org/go/sistem-informasi-stimik-pro-visi

Universitas Widyatama
Informatics
EDUglopedia eduglopedia.org/go/informatics-universitas-widyatama

Zeus Advanced Systems Consulting
Zeus Advanced Systems Consulting
EDUglopedia eduglopedia.org/go/zeus-advanced-systems-consulting-zeus-advanced-systems-consulting

Ben Gurion university
Information systems engineering
EDUglopedia eduglopedia.org/go/information-systems-engineering-ben-gurion-university

Ono Academic College
Faculty of Business Administration
EDUglopedia eduglopedia.org/go/faculty-of-business-administration-ono-academic-college

KIMEP University
Bang College of Business
EDUglopedia eduglopedia.org/go/bang-college-of-business-kimep-university

Multimedia University
Faculty of Management
EDUglopedia eduglopedia.org/go/faculty-of-management-multimedia-university

www.eduglopedia.org
Sunway University, Malaysia
Department of Computing and Information Systems
EDUglopedia eduglopedia.org/go/department-of-computing-and-information-
systems-sunway-university-malaysia

Universiti Teknologi Malaysia
Advanced Informatics School
EDUglopedia eduglopedia.org/go/advanced-informatics-school-universiti-
teknologi-malaysia

Universiti Teknologi Petronas
Department of Computer & Information Sciences (CIS)
EDUglopedia eduglopedia.org/go/department-of-computer-information-
sciences-cis-universiti-teknologi-petronas

National University of Science and Technology
School of Electrical Engineering and Computer Science
EDUglopedia eduglopedia.org/go/school-of-electrical-engineering-and-
computer-science-national-university-of-science-and-technology

University of Education Lahore
Department of Computer Science
EDUglopedia eduglopedia.org/go/department-of-computer-science-university-
of-education-lahore

Qatar University
College of Business and Economics
EDUglopedia eduglopedia.org/go/college-of-business-and-economics-qatar-
university

Chosun University
Department of Business Administration
EDUglopedia eduglopedia.org/go/department-of-business-administration-
chosun-university

Hongik University
College of Business Administration
EDUglopedia eduglopedia.org/go/college-of-business-administration-hongik-
university

Jeonju University
Department of Business Administration
eduglopedia.org/go/department-of-business-administration-jeonju-university

www.eduglopedia.org
Kookmin University
Big Data Analytics & Statistics Major Major
EDUglopedia eduglopedia.org/go/big-data-analytics-statistics-major-major-kookmin-university

Kookmin University
College of Business Administration
EDUglopedia eduglopedia.org/go/college-of-business-administration-kookmin-university

Kyung Hee University
School of Business
EDUglopedia eduglopedia.org/go/school-of-business-kyung-hee-university

University of Seoul
College of Business Administration
EDUglopedia eduglopedia.org/go/college-of-business-administration-university-of-seoul

Yonsei University
Graduate School of Information
EDUglopedia eduglopedia.org/go/graduate-school-of-information-yonsei-university

Ming Chuan University
Journalism and Mass Communication program, International College
EDUglopedia eduglopedia.org/go/journalism-and-mass-communication-program-international-college-ming-chuan-university

National Central University
National Central University
EDUglopedia eduglopedia.org/go/national-central-university-national-central-university

National Cheng Kung University
Institute of Informaiton Management, College of Management

National Chengchi University
Department of Management Information Systems
EDUglopedia eduglopedia.org/go/department-of-management-information-systems-national-chengchi-university

www.eduglopedia.org
National Chiao Tung University
Institute of Information Management
EDUglopedia eduglopedia.org/go/institute-of-information-management-national-chiao-tung-university

National Pingtung University of Science and Technology
Management Information Systems
EDUglopedia eduglopedia.org/go/management-information-systems-national-pingtung-university-of-science-and-technology

National Taiwan University
Department of Information Management
EDUglopedia eduglopedia.org/go/department-of-information-management-national-taiwan-university

National Tsing Hua University
Institute of Service Science
EDUglopedia eduglopedia.org/go/institute-of-service-science-national-tsing-hua-university

Providnce University
Computer science and information management
EDUglopedia eduglopedia.org/go/computer-science-and-information-management-providnce-university

Yuan Ze University
Department of Information Management
EDUglopedia eduglopedia.org/go/department-of-information-management-yuan-ze-university

Sakarya University
Management Information Systems
EDUglopedia eduglopedia.org/go/management-information-systems-sakarya-university

www.eduglopedia.org
The density of programs has been calculated by dividing the number of reported programs by the population (in millions). The darker the color, the higher the density.

www.eduglopedia.org
AUSTRALIA

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT

A leading business school in the Asia-Pacific

Located in Sydney but deeply connected to the world, our collaborative education and research partnerships extend throughout the Asia-Pacific region and beyond to ensure our graduates are culturally versatile and understand their role in the world's business and social challenges.

Our students are Australia's brightest, and they are our future. Whether you aspire to lead an organisation, run your own successful enterprise or pursue ground-breaking research, we will open the door to your success with undergraduate, postgraduate, research and MBA programs covering every aspect of business. Leaders in their academic fields, our lecturers and researchers also bring real-world expertise to our active community. Innovation centres and high-tech flipped classrooms encourage students to be proactive in their learning experience, with workplace activities and industry mentoring an integral part of our real-world approach.

Our original, relevant business research shapes economic policy and influences the way business is done around the world. Our research students and staff are working on some of the great social and economic challenges of our time, creating published work with real-world impact and outcomes. The way we live and work in the future will be nothing like today. So we are transforming the way we learn and research – ensuring our future business leaders are adaptable, creative problem-solvers.

PROGRAMS

Bachelor of Commerce / Bachelor of Information Systems

This 4 year dual program leads to the award of a Bachelor of Commerce/Bachelor of Information Systems (BCom/BIS) and will meet the needs of students who want a strong, focused and highly regarded business degree combined with an Information Systems degree. Organisations are always looking for “business savvy” IS graduates who understand the business and technical issues which surround and impact their information systems. As part of the degree program students will complete a major stream in both Information Systems (IS) and an approved disciplinary stream within the UNSW Business School.

In selecting their combination of majors, students should note that while there is a wide range of choice, not every combination may be able to be completed in 4 years of full-time study. Students are also not able to take a modern language as their major.

For detailed information on the professional recognition this degree offers please visit Professional Recognition of Programs in the UNSW Online Handbook.

It is assumed that students have a certain level of knowledge in advanced mathematics in order to cope well with the mathematical or statistical component of a business degree. If you are successful in obtaining a place without this assumed knowledge, you are strongly encouraged to consider studying a Mathematics Bridging Course before starting your degree.

Highlights

- Dual degree to develop specialist IS/IT skills as well as business skills from a wide range of business areas
- Gain breadth of knowledge across the various aspects of business, and develop specialist knowledge in a business area of your choice
- Learn how to understand and manage technology, systems and processes
- Acquire the skills and knowledge essential for developing and implementing information technology solutions in addition to a strong business foundation
- Professional recognition: Meet the education requirement of various professional bodies including Australian Computer Society (Information Systems), Australian Human Resources Institute (Human Resource Management), Australian Securities and Investment Commission (RG-146) (Finance), CPA Australia (Accounting), Chartered Accountants Australia and New Zealand (Accounting), ACCA (Accounting) and Institute of Public Accountants (Accounting), depending on course selection

Bachelor of Information Systems

The Bachelor of Information Systems (BIS) degree is a highly prized qualification which provides students with information systems expertise and business skills. The program is intended to develop conceptual and practical skills. After an introductory first stage, students will learn about business systems analysis and design, data management, enterprise systems, business process management, big data business analytics, business systems infrastructure and security as well as mathematics, management accounting and commercial programming.
Highlights

- Specialist degree in information systems that prepares you for careers in the information and communications technology (ICT) industry
- Learn about business analysis systems and design, data management, business systems infrastructure and security as well as mathematics, management accounting and commercial programming.
- Gain the skills and knowledge essential for developing and implementing information technology solutions for businesses.
- Professional recognition: Accredited by Australian Computer Society (ACS) at the Professional Level, preparing you for professional practice in ICT.
- Global opportunities: Gain international experience with our overseas exchange and global practicum program.

Bachelor of Information Systems (Co-op) (Honours)

The BIS (Co-op) (Hons) is a full-time four year Honours degree program. It is an industry linked education program leading to the award of the qualification Bachelor of Information Systems (Co-op) (Honours). The program draws on both Information Systems and business and is intended to develop conceptual and practical skills. After an introductory first stage, students will learn about business analysis systems and design, data management, business systems infrastructure and security as well as commercial programming statistics, management accounting and commercial programming.

The BIS (Co-op) (Hons) program has been designed in conjunction with Information Systems and Information Technology industry professionals to provide for the needs of Australian businesses. The program combines the requirements for the award of the degree with 18 months of coordinated industrial experience at three different sponsoring organisations (24 weeks at each). Industry Training extends outside university semesters. A scholarship is payable from funds donated by the sponsoring organisations. Entry to the program is limited to students awarded a scholarship through the BIS (Co-op) (Hons) selection procedures administered by the UNSW Co-op Program Office. For more information about requirements for the BIS (Co-op) (Hons) Program please visit the frequently asked questions page.

Consideration for entry to the course may proceed only on the basis of an application directly to Co-op program Office at the University of New South Wales and application through UAC. Visit the UNSW Co-op website for a brochure and application form.

Students who are academically acceptable for the BIS (Co-op) (Hons) degree program, but who are not offered a scholarship position, should consider registering for first Stage entry into the BIS 3979 program. If BIS (Co-op) (Hons) scholarships become available at the end of stage 1, students undertaking the BIS 3979 program may be offered an interview and a transfer into the 3964 BIS (Co-op) (Hons) degree program.

Highlights

- Outstanding scholarship program that incorporates an internship component.
- Tax-free scholarship of over A$18,000 per annum (over 4 years).
- Specialist degree in information systems that prepares you for careers in the information and communications technology (ICT) industry.
- Develop advanced knowledge and research skills, and be awarded with an Honours degree in information systems.
- Domestic students only.

Doctor of Philosophy (PhD) Information Systems

A research degree is a great opportunity to show the world and yourself what you are capable of. You will learn skills and tools that will help you to advance knowledge and contribute to original and objective thought on the most important challenges facing society.

The UNSW Business School has many top researchers who will support and mentor you, showing you how to conduct rigorous, relevant research. We are very proud of our research graduates who have gone on to distinguished academic and business careers, and influential policy positions.
A wide range of prestigious scholarships support our research students, with funding from the Australian Commonwealth Government, UNSW, the UNSW Business School, overseas governments, research grants and industry.

Your research degree will set you up for success in a fulfilling career, with freedom of thought and the ability to have an impact on the world.

Highlights

- Make an original and significant contribution to knowledge in information systems and operations management
- Produce a high quality thesis under the supervision of a qualified member of academic staff
- Access the very latest business research and learn from the high profile academics
- Be part of the UNSW Australia Business School's vibrant, globally recognised research community
- Opportunity to be published in a leading international journal

Master of Accounting and Business Information Technology

The Master of Accounting and Business Information Technology is designed for graduates, early and mid-career professionals wanting to extend their understanding of methods and tools for leveraging accounting and information systems to enhance business value and competitiveness.

Graduates from the Master of Accounting and Business Information Technology gain the practical skills and knowledge to succeed in a range of careers, such as business analyst, forensic accountant, systems accountant, management accountant, systems analyst, system management specialist, database administrator and project manager.

Highlights

- Unique opportunity to integrate studies in accounting and information systems
- Be exposed to the latest theories and practical applications in accounting and information systems, including accounting information systems, enterprise systems, business intelligence, and strategic management accounting
- Develop an in-depth understanding of using leading edge business systems (including SAP and SaaS) to support a range of business decisions and strategies
- Wide range of electives: Ability to select courses and design a program that meets your professional needs
- Recognition of prior learning: Up to 4 courses may be awarded based on your previous studies in accounting or information systems

Master of Information Systems Management

The Master of Information Systems Management (MISM) program is suitable if you are a professional, or information systems or computer science graduate who sees yourself advancing into management and leadership roles in the industry. The program is a comprehensive, challenging and contemporary program, based on a set of Information Systems executive core competencies established through extensive US and EU research on Information Systems skills.

The Master of Information Systems Management offers will develop the core skills needed to succeed as an industry leader in information, communications and technology. You will obtain strong analytical and technical skills to assess, design, implement, and manage business information systems in a fast-changing business environment, across multiple organisations.

Career Outcomes

The Master of Information Systems Management program will enhance your knowledge and strong analytical skills to allow you to assess, design, implement and manage business information systems in a fast-changing business environment, across multiple organisations.
RMIT UNIVERSITY

School of Business IT and Logistics
RMIT University
445 Swanston Street
3001 Melbourne
Australia

Institution website: www.rmit.edu.au
EDUglopedia: eduglopedia.org/school-of-business-it-and-logistics-rmit-university

ABOUT

RMIT is a global university of technology, design and enterprise and one of Australia's original tertiary institutions.

The University enjoys an international reputation for excellence in professional and vocational education and outcome-oriented research.

RMIT is a leader in engineering, accounting and finance, computer science and information systems, communication and media studies, psychology, education, law and economics.
PROGRAMS

Bachelor of Business (Information Systems)

In this program students will develop knowledge and skills related to business, information systems, information technology and interpersonal relations, using these to create business information system solutions. The final year of the program includes the capstone course, ISYS2452 Business Solutions for Global Enterprises. This capstone experience enables you to critically reflect on and consolidate your theoretical and practical learning.

The program also promotes the application of information systems design and development to real-world scenarios, leading to work-readiness or entry to graduate studies. Graduates of this program will be prepared to work in any organisation anywhere in the world due to the ubiquity of information systems in global business environments. Potential employment roles vary, for example: business analyst, software designer, software developer, network administrator, database administrator, IT consultant, or IT support.

Highlights
- Mixture of Business and information systems
- Strong technical component

Bachelor of Business (Information Systems) (Applied)

The nature of the IT market itself reflects continuous change elicited by networks, the internet, outsourcing, complex applications software and the globalisation of organisations. Jobs for graduates are available across all spheres of business and industry and the roles less well defined for IT specialists.

The Information Technology market has grown to a point where virtually any organization is a potential employer of IT graduates. These might include companies right across the sectors of health, retail, banking, farming, teaching, transport, manufacturing, publishing, telecommunications, education, libraries and in fact most other industries.

This program is designed to enable graduates to create business information systems (IS) solutions that draw on the body of knowledge in:
- Business
- Information Systems
- Interpersonal Skills

Highlights
- Mixture of business and information systems
- Strong technical component
- Strong Work-Integrated-Learning component (1 year spent working in industry)

Master of Business Information Technology

Through the combination of business and IT studies, this program is designed to produce ethically and socially responsible professionals who can draw on technical and leadership capabilities, effective communication skills, innovative professional practices, and strategic and organisational skills to create successful business information systems solutions excel in the areas of business analysis, IT consultancy and project management.

Graduates may work in a range of industry sectors including health, retail, banking, farming, teaching, transport, manufacturing, publishing, telecommunications, education and libraries.

The Master of Business Information Technology (MBIT) is accredited at the Professional level by the Australian Computer Society (ACS) and is internationally-recognised through the Seoul Accord.

www.eduglopedia.org
The University of Newcastle, Australia was founded in 1965 in Newcastle, NSW, and now has campuses in Newcastle (Callaghan), Central Coast of NSW (Ourimbah), Sydney, Port Macquarie and Singapore. It has over 38,000 students from 120 countries studying a full range of disciplines from five faculties Health & Medicine, Business & Law, Engineering & Built Environment, Science and Education & Arts. The university is in the top 10 for research funding in Australia and is the top 250 universities in the Times and QS rankings.

The School of Electrical Engineering and Computing offers undergraduate and postgraduate study in Computer Science, Computer Systems Engineering, Cyber Security, Electrical and Electronic Engineering, Information Technology, Medical Engineering and Software Engineering. The programs are underpinned by some of the most exciting research in Australia.
PROGRAMS

Bachelor of Information technology
The Bachelor of IT equips students for careers in the ICT sector, particularly in the development and implementation of commercial applications. There is a core of courses that provide a base of skills including fundamentals of information systems, database design, programming, project management, plus others. There are three majors of which students must complete one and may complete two. One major is focused on applications development, another focussed on business systems and the final major is about the production and use of digital media.

Master of Information Technology
The Master of Information Technology will have you study Internet communications, strategic business systems, database management, systems analysis and information systems implementation. As well as providing foundation IT skills for entrants with limited IT experience, the MIT program provides opportunities for experienced IT professionals to enhance and apply their skills within emerging technology driven growth areas including business, data analytics, and entrepreneurship.
ABOUT

Curtin University is Western Australia's largest and most culturally diverse university with Australia's third largest international student population. With campuses in Malaysia and Singapore as well as face-to-face teaching in a number of countries, Curtin has a strong commitment to international engagement. This cultural diversity adds a rich and valuable dimension to our campus atmosphere, preparing all graduates to live and work effectively in an increasingly global environment.
PROGRAMS

Bachelor of Commerce (Business Information Technology and Systems)

This course is designed to prepare you for the challenges in the global business environment. You will study foundation areas of technology, accounting, economics, business law, management and marketing. Through specialised study, in your chosen major, you will gain the theory and practical skills needed to be confident and industry-ready. Internship opportunities are available through a partnership with the Chamber of Commerce and Industry.

Highlights

- Internships

Doctor of Philosophy - Information Systems

Doctoral Degrees prepares students to acquire a systematic and critical understanding of a complex field of learning and specialised research skills to advance learning and/or professional practice corresponding to Australian Qualifications Framework (AQF) Level 10.

Master of Commerce (Information Systems and Technology)

In this course you will develop advanced problem solving skills, learn how to plan information systems and information technology, and integrate information systems planning with business planning.

You will also be provided with the knowledge and skills you need to complete a successful research project. In your final semester, you will conduct your own research project and prepare a dissertation on your findings under the guidance of one of our experienced staff.

Master of Information Systems and Technology

This professional master program is designed for computing/business information professionals who are interested in advancing their skills and knowledge. The master provides scope for the merger of theory and practice and incorporates new concepts and technologies.
THE UNIVERSITY OF SYDNEY

Business School, Discipline of Business Information Systems
The University of Sydney
Abercrombie Building H70
2006 Sydney
Australia

Contact: Dirk Hovorka
Institution website: sydney.edu.au/business/information_systems

ABOUT

The Discipline of BIS at the University of Sydney was established in 2002. We are a multidisciplinary team with a strong commitment to practice-based, industry-relevant teaching and research.

Our research focuses on:

- information systems strategy
- business analysis and business process management
- enterprise systems and business intelligence
- information policy, risk, assurance and governance
- enterprise social media and digital disruption
- project management

We offer degree programmes at both undergraduate and postgraduate level. Depending on your interests and skills you can combine your studies of BIS with other subjects to open up a wide variety of career opportunities.

www.eduglopedia.org
PROGRAMS

Bachelor of Commerce, Business Information Systems Major

Our major provides the essential knowledge necessary for organisations to meet their strategic goals, drive business innovation, and create effective business operations through the application of modern information and communication technologies (ICT). Students majoring in Business Information Systems (BIS) will work in professional roles such as business analyst, project manager, or business consultant with major corporations, consulting practices and small businesses alike.

Highlights

- Sydney
- Australia
- Hands On
- Technology

Master of Commerce, Business Information Systems

The specialisation in Business Information Systems covers the application of modern digital technologies in the business domain. Students acquire the skills and techniques to carry out effective business analysis with a view to improving business operations through the application of business information systems. The specialisation also enables students to gain an understanding of the role of business information systems in facilitating business transformation and implementing digital business models in increasingly competitive market environments. Units of study in this area cover business process integration, enterprise systems, information governance, and business transformation.
MASSEY UNIVERSITY

Albany Campus
Massey University
Massey University East Precinct
Dairy Flat Highway SH17, Albany
0632 Auckland
New Zealand

Contact: Chris Scogings, David Pauleen
Institution website: www.massey.ac.nz
EDUglopedia: eduglopedia.org/albany-campus-massey-university

ABOUT

With a tradition of academic excellence, Massey University is the nearest thing New Zealand has to a national university. It has nearly 18,000 students enrolled on three main campuses (Auckland, Palmerston North and Wellington). There are also approximately 17,000 national and worldwide distance learning (extramural) students. With a unique blend of courses that are both on-campus and on-line, Massey offers highly flexible and practical programmes.
PROGRAMS

Bachelor of Business

When you study a Bachelor of Business (Organisational Technology Management), you learn how to figure out what information people need to do their job, how they need it presented, and when they need it. You will learn how to improve and implement new business systems, while also gaining skills in communication, technology-related problem solving, project management and specialised management.

The core of organisational technology management is how people and organisations use information and communication technologies to enhance business, solve problems, serve customers and drive innovation. Improving or implementing new business systems can have a huge impact on the profitability and success of a company. You will learn how to apply these systems in the business world and empower people through information.

Highlights
- World class, AACSB accredited Business programme
- Flexible study options within Business and Info Science disciplines
- Be at the cutting edge of innovation - lecturers with real world experience and contemporary research

Bachelor of Information Sciences

The Bachelor of Information Sciences covers the full spectrum of professional computing with majors in Computer Science, Data Science, Information Technology, Information Systems and Software Engineering. The majors are not isolated and students can create their own unique blend by combining courses from different majors, depending on individual interest or career ambitions.

The degree provides a broad set of skills ranging from business management to software development. Graduates emerge with a well-rounded understanding of the ICT industry as well as specialist skills in their selected major.

All students take the same standard first-year, enabling students to try out new directions and delay the selection of their major until the start of the second year.

Highlights
- Full range from business management to technical programming
- Combine courses from any of the majors
- Delay selection of the major to end of first year
- Practical and hands-on approach to software development

www.eduglopedia.org
NEW ZEALAND

DISTRIBUTION OF PROGRAM TYPES

DISTRIBUTION OF FULL-TIME & PART-TIME PROGRAMS

The following institutions provided full information on the EDUglopedia website and are thus features with a full profile:

www.eduglopedia.org
ABOUT
In the department of Information Systems and Operations Management we believe that Information technology is now an integral part of the business world. The "new information systems professional" is a people-person, but can also "talk technology", solving important organisational problems.

Digital innovation and transformation is where digital technology is used to make new products, services and business models to transform the nature of an organisation or entire industry. Therefore, the "new information systems professional" understands technology, but is also a people-person, solving important organisational problems.

In the 2016 QS World University Rankings for the subject Computer Science and Information Systems, the University of Auckland was ranked amongst the top 100 departments in the world.

In 2014 a team of students majoring in Information Systems and Computer Science won the $50,000 first prize in the Innovation category at the Microsoft Imagine Cup finals in Seattle. The Microsoft Imagine Cup is the world’s premier student technology competition, and attracts...
entries from the world’s top universities. With leadership provided by ISOM, many times the University of Auckland has had a team placed in the finals of the Imagine Cup.
PROGRAMS

Bachelor of Commerce

The department of ISOM has a broad range of courses to allow a student studying either a BCom degree or a Conjoint degree to select a range of courses that reflect their interests. Our courses range from Information Systems construction through to the study of emerging technologies.

Highlights

- Wide arrays of Management Information Systems to Business Management courses
- Specialization to focus on from second and final year
- Theoretical and practical exposure to meet the industry demand
- Supply Chain and Operations Management skills to acquire
- Big data and analytic programmes

Master of Commerce

The masters degree may be taken as a 18 months programme (180 points) or as a one-year programme (120 point) following a year’s postgraduate study.

PhD

Research in information systems focuses on the management and use of information technology (IT) in organisations. Innovations in digital technologies continue to drive productivity growth, but they can also disrupt markets and entire industries in an increasingly global and fast-paced business environment.

Our research looks for ways in which people can effectively understand, use and develop information technology, as well as the impact of IT on organisations and society in general.

Information systems research covers a wide range of topics:

- The creation, distribution and commercialisation of digital innovations, and their impact on organisations and society.
- How huge amounts of data can now be extracted and analysed using cutting-edge business analysis tools.
- How IT impacts on organisational structure, culture and people.
- How organisations can successfully outsource some of their IT capabilities
- The integration of enterprise resource planning (ERP) systems and decision support systems.
• The analysis and development of enterprise systems that support sustainability.

• How students and lecturers can increase their productivity through the design and use of new applications, tools, systems and methodologies.

• The relative success of the IT industries in New Zealand and other small developed countries.

• How information systems are used in non-work settings, including social networking, virtual communities, use of mobile devices and games.
ABOUT

Established in 1873, the University of Canterbury is the second oldest in New Zealand. Located in the 'Garden City' of Christchurch, the university offers undergraduate and postgraduate courses in over 70 subjects, ranging from accountancy to zoology. UC has a long tradition of promoting and encouraging research excellence and has established an international reputation for its high quality degrees and the calibre of its teaching staff. At the University of Canterbury students can enjoy the very best a university has to offer — a world class learning environment, a vibrant campus and a great student lifestyle that's packed with opportunities. As a research-led institution, students at all levels are taught by staff who are actively engaged in generating new knowledge and who are scholars in their chosen fields. Teaching is informed by cutting-edge research, creating a learning environment that is inspirational, innovative and dynamic.
PROGRAMS

Bachelor of Commerce, Information Systems

Students completing a BCom in Information Systems will take courses across a range of business disciplines, including Accounting, Economics and Management. These courses help IS graduates gain a broad understanding of the world of business. Thus they end up both 'business savvy' and 'tech savvy'. This mix of skills means IS graduates are more likely to become business analysts rather than software developers or system designers. The IS program includes a broad range of practical work that is immediately useful to employers, developed through IS internships and project-based courses offered at 300-level. These provide valuable work experience, encouraging students to develop a broad range of skills that help build their CV.

The BCom in Information Systems is part of a suite of Information Systems programmes offered by UC's Department of Accounting and Information Systems. UC is ranked in the top 200 universities in the world for Computer Science and Information Systems (QS World University Rankings by Subject 2015). Furthermore, UC's Information Systems/ICT students benefit from its location on the 'Silicon Plains' of New Zealand, where there are dozens of large, hi-tech companies employing UC graduates.

Highlights
- work-integrated learning
- internship opportunity
- flexible majors
- dedicated lab for IS courses
- international teams of lecturers

Doctor of Philosophy (PhD), Information Systems

The University of Canterbury (UC) has a long tradition of promoting and encouraging research excellence and has established an international reputation for its high quality degrees and the calibre of its teaching staff. UC is ranked in the top 3% of universities worldwide with a global reputation for innovation and cutting-edge research.

At UC the degree of Doctor of Philosophy (Information Systems) involves extensive, sustained and original research and study in a subject of your choice, with the results being presented in a thesis which will contribute to intellectual knowledge of the field.

The Doctor of Philosophy (Information Systems) is part of a suite of Information Systems programmes offered by UC's Department of Accounting and Information Systems. UC is ranked in the top 200 universities in the world for Computer Science and Information Systems (QS World University Rankings by Subject 2015). Furthermore, UC's Information Systems/ICT students benefit from its location on the 'Silicon Plains' of New Zealand, where there are dozens of large, hi-tech companies employing UC graduates.

Highlights
- research-only degree (no course work)
- international team of academic staff
- PhD tuition fees at domestic rates for international students

Master of Business Information Systems

The Master of Business Information Systems (MBIS) at UC aims to address high-level skills shortages in the rapidly growing ICT industry, and to meet the growing demand for work-ready graduates in New Zealand and abroad.
The MBIS equips graduates, including those from a non-Information Systems background, with specialist knowledge and skills applicable to managing the use of technology and technology-driven innovations in business. IS expertise is marketable worldwide and such skills can be applied across a wide range of organisations and industries, opening the doors to many exciting careers including business analyst, IT project manager and IS manager.

This MBIS is part of a suite of Information Systems programmes offered by UC’s Department of Accounting and Information Systems. UC is ranked in the top 200 universities in the world for Computer Science and Information Systems (QS World University Rankings by Subject 2015). Furthermore, UC’s Information Systems/ICT students benefit from its location on the ‘Silicon Plains’ of New Zealand, where there are dozens of large, hi-tech companies employing UC graduates.

Master of Commerce, Information Systems

The MCom is offered as a 180 point Master’s degree that can be completed part-time over three years or full-time within one calendar year. The MCom degree is an internationally recognised advanced qualification and provides the opportunity to both obtain and advance specialised knowledge to benefit your career and develop you personally.

This new qualification is part of a suite of Information Systems programmes offered by UC’s Department of Accounting and Information Systems. While undergraduate courses are set according to the basic body of knowledge for the discipline, IS postgraduate study allows the courses to be adapted according to the latest issues, events and cases. Courses generally include a mixture of reviewing the latest research, completing inquiries and writing and presenting results all at the level expected in global businesses and governmental organisations. During your Master’s study, you will work closely with an academic supervisor on a topic of your choice and gain expert knowledge in your field.

Many of the graduates from our postgraduate courses say that it was their master degree that prepared them for further challenges in their career.

Highlights

- intentionally recognised academic staff
- small classes and seminars
- balance of academic and practice-oriented handling of topics

Postgraduate Diploma of Business Information Systems

There is an increasing demand for work-ready graduates who possess specialist skills from a postgraduate degree in Information Systems/ICT that complement their prior undergraduate degree/s. Information Systems courses at a postgraduate level can help graduates from different backgrounds gain a broad understanding of the world of business and technological solutions. This mix of ‘business savvy’ and ‘tech savvy’ skills mean IS graduates often become business analysts. These graduates are seen as being a key component in developing and growing the business and ICT sectors and the knowledge base in Canterbury and New Zealand.

This new qualification is part of a suite of Information Systems programmes offered by UC’s Department of Accounting and Information Systems. UC is ranked in the top 200 universities in the world for Computer Science and Information Systems (QS World University Rankings by Subject 2015). Furthermore, UC’s Information Systems/ICT students benefit from its location on the ‘Silicon Plains’ of New Zealand, where there are dozens of large, hi-tech companies employing UC graduates.

www.eduglopedia.org
MASSEY UNIVERSITY

Study Abroad
Massey University
Private Bag 11222, Tennent Drive
4442 Palmerston North
New Zealand

Institution website: massey.ac.nz/
EDUglopedia: eduglopedia.org/study-abroad-massey-university

ABOUT

Massey is a multi-campus university based in three different cities with distinctive specialisations available at each location.

The Massey Auckland Campus, located on Auckland’s North Shore, is New Zealand’s newest and most modern university campus in our largest and most cosmopolitan city. Known as the Innovative Campus, Massey Auckland takes a fresh and dynamic approach to providing a quality university education. At Auckland, you can choose from a range of internationally recognised programmes and a number of specialised areas including Mathematics and Information Sciences, Engineering, Fundamental Sciences, Food Technology, Jazz, Psychology, Social Science, Business and Software Engineering.

The Massey Manawatu Campus, based in the friendly Student City of Palmerston North, boasts the lowest living cost of any university and is one of the best places in New Zealand to really live the student lifestyle. Massey Manawatu champions industrial innovation within Food Science and Technology, Biotechnology, Advanced Material Sciences and Product Development. Other key areas include Agriculture, Aviation, Horticulture, Management, Nanoscience, Education, Environmental Studies, Defence and Security, Sport Business Management and Veterinary Science.

Massey Wellington, known as the Creative Campus, is centrally located in the heart of the Wellington's bustling arts and cultural district. Massey Wellington is the base for a number of unique research centres and is home to New Zealand’s most distinguished School of Design, dating back to 1886. In addition, the campus co-hosts the New Zealand School of Music and offers internationally recognized programs in areas such as Accountancy, Communication Management, Entrepreneurship, Fashion Design, Fine Arts, International Business, Health Science, Industrial Design, and Mechatronics.

www.eduglopedia.org
PROGRAMS

Global Student Athlete - Cricket

Find Yourself in New Zealand

A semester abroad doesn’t have to keep you from training for your sport. We can help you return to your home team stronger and faster than when you left.

All our Global Student Athlete (GSA) tracks combine professional coaching and training with one or two semesters of study. We provide male and female athletes from any sport with the resources to improve their stamina and fitness. The conditioning sessions and assessments are scheduled outside your classroom hours so you can keep up with your studies.

Each GSA option is based in the student city of Palmerston North. You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport. For more information, visit http://massey.ac.nz/gsa

GSA – Cricket

Participants receive coaching by international players, access to high-performance presentations, weekly coaching sessions at our training centre designed specifically for cricket, a gym membership, and the following:

- Coaching and mentoring by former NZ Black Cap, Jacob Oram
- A detailed training programme and a review at the end
- 2 cricket sessions/week (approximately 4 hours of cricket training/week)
- Training sessions with other domestic and international cricketers
- Placement into a local Palmerston North club cricket team
- Match practice through Massey Cricket or Manawatu club cricket
- Massey Cricket-branded training apparel
- Enrolment in GSA – Elite Sport Services

Highlights

- Male and female student-athletes can combine international coaching and training with one or two semesters of overseas study
- The training and conditioning sessions are structured to be available outside your normal classroom hours
- All GSA options are based in the student city of Palmerston North
- You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport
- You can still get out and explore New Zealand during your weekends and study breaks

Global Student Athlete - Elite Sport Services

Find Yourself in New Zealand

A semester abroad doesn’t have to keep you from training for your sport. We can help you return to your home team stronger and faster than when you left.

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your sport. For more information, visit http://massey.ac.nz/gsa

GSA – Elite Sport Services

Enrolling in this track gives you access to our complete range of fitness classes, a battery of performance tracking services, sports centre membership, and comprehensive workshops for high-performance athletes. Examples include:

- Sports Nutrition Seminar
- Understanding Strength and Conditioning Seminar
- Sports Psychology Seminar
- Athlete Life, Planning and Goal Setting Workshop
- Fitness testing
- Body composition testing
- Muscle competency screening
- Aerobic and strength testing

Highlights

- Male and female student-athletes can combine international coaching and training with one or two semesters of overseas study
- The training and conditioning sessions are structured to be available outside your normal classroom hours
- All GSA options are based in the student city of Palmerston North
- You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport
- You can still get out and explore New Zealand during your weekends and study breaks

return to your home team stronger and faster than when you left.

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Each GSA option is based in the student city of Palmerston North. You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport. For more information, visit http://massey.ac.nz/gsa

GSA – Equestrian

This track gives you the chance to learn from New Zealand instructors who are experts in their areas of specialisation. You will attend weekly training sessions and really get to know your horse as you work with the same one throughout your semester. This track includes:

- Three group riding sessions per week for 12 weeks
- The option to have one private training session per week
- Specialisation in dressage or showjumping
- Transportation between Massey and the equestrian centre
- All necessary equipment for your horse (saddle, bridle, covers, etc.)
Highlights

- Male and female student-athletes can combine international coaching and training with one or two semesters of overseas study
- The training and conditioning sessions are structured to be available outside your normal classroom hours
- All GSA options are based in the student city of Palmerston North
- You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport
- You can still get out and explore New Zealand during your weekends and study breaks

Global Student Athlete - Rugby

Find Yourself in New Zealand

A semester abroad doesn't have to keep you from training for your sport. We can help you return to your home team stronger and faster than when you left.

All our Global Student Athlete (GSA) tracks combine professional coaching and training with one or two semesters of study. We provide male and female athletes from any sport with the resources to improve their stamina and fitness. The conditioning sessions and assessments are scheduled outside your classroom hours so you can keep up with your studies.

Each GSA option is based in the student city of Palmerston North. You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport. For more information, visit http://massey.ac.nz/gsa

GSA – Rugby

Male and female rugby players train with the coaches and athletes who have the potential to play for the Manawatu Turbos or Manawatu Cyclones. You will play in weekly competitions throughout your semester of study at Massey University. Your training will focus on technical and tactical development and involve up to four sessions per week, plus gym training, recovery sessions and video analysis tutorials. You will also:

- Train alongside the Manawatu Rugby Academy and wider training squad
- Play club rugby in the Manawatu region
- Participate in individual strength and conditioning development
- One-on-one support from the Manawatu Rugby Academy Manager and Turbos coach
- Learn rugby specific mental conditioning
- Be a member of the Manawatu Rugby Union Gym
- Attend one Hurricanes Super Rugby home match
- Receive training apparel

Global Student Athlete - Strength & Conditioning

Find Yourself in New Zealand

A semester abroad doesn't have to keep you from training for your sport. We can help you return to your home team stronger and faster than when you left.
All our Global Student Athlete (GSA) tracks combine professional coaching and training with one or two semesters of study. We provide male and female athletes from any sport with the resources to improve their stamina and fitness. The conditioning sessions and assessments are scheduled outside your classroom hours so you can keep up with your studies.

Each GSA option is based in the student city of Palmerston North. You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport. For more information, visit [http://massey.ac.nz/gsa](http://massey.ac.nz/gsa)

**GSA – Strength and Conditioning**

This option provides you with access to two athletic facilities and twenty-four personal training sessions. Your trainer will provide the following:

- Movement competency screening assessment
- Strength and power assessment
- Speed and fitness assessment
- Weekly strength and conditioning sessions
- Two consultation sessions
- Creation and monitoring of sports-specific training plans
- Ongoing review of your recovery and flexibility plans

**Highlights**

- Male and female student-athletes can combine international coaching and training with one or two semesters of overseas study
- The training and conditioning sessions are structured to be available outside your normal classroom hours
- All GSA options are based in the student city of Palmerston North
- You will train with the elite sportspeople of the Manawatu region and have opportunities to engage with both professional athletes and New Zealand representatives of your sport
- You can still get out and explore New Zealand during your weekends and study breaks

**National Expedition & Internship - Agriculture & Environment**

**National Expedition and Internship**

Most summer study abroad programmes are based in a classroom. Not ours. You will travel through some of the planet's most spectacular scenery, intern with a foreign organisation, and see parts of New Zealand open only to locals, all while earning 6-8 U.S. semester credits over your summer break.

The international experience you gain over these six weeks will make an impressive difference in your resume or graduate school application. Massey University’s programme, which is unlike any other in New Zealand, combines a two-week national expedition with a four-week internship.

**Explore New Zealand Scholarships**

Massey University offers scholarships to make your summer adventure even more affordable. Information about the scholarships, itineraries, internship placements, and more is available at [http://massey.ac.nz/explorenz](http://massey.ac.nz/explorenz)

**Agriculture and Environment track**

This track focuses on Agribusiness, Agriculture, Environmental Science, Wildlife Management, and other closely related subject areas.
You’ll visit the South Island high country, debate the pros and cons of being the world’s largest dairy producer, and explore North Island volcanoes and geothermal areas during your expedition. You will gain an understanding of the intricate relationships between agricultural and environmental issues and how these shape a country. Throughout the expedition, you will benefit from on-the-ground expertise provided by Massey’s academic staff.

Hawke’s Bay is one of New Zealand’s top agricultural, food, and wine regions, making it the perfect location for your internship. It has a significant focus on environmental issues and offers many unique opportunities for visitors and students. You and the other interns will live and cook together in a backpackers-style hostel in Napier. The hostel provides you with easy access to downtown and the beach.

Massey has ties to a large variety of wildlife, agricultural, and environmental organisations within the region.

- Agribusinesses
- Department of Conservation
- Environmental education centres
- Family farms
- Governmental agencies
- Non-profit organisations
- Organic food suppliers
- Regional land management authorities
- Wildlife sanctuaries
- Wineries

Highlights

- Travel through some of the planet’s most spectacular scenery for two weeks
- Invest four weeks in a foreign internship relevant to your academic and career goals
- Transfer half a semester of credit back to your home institution
- Study abroad during your summer break
- Work alongside of Kiwis and see parts of New Zealand open only to locals

National Expedition & Internship - Communication & Marketing

National Expedition and Internship

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The international experience you gain over these six weeks will make an impressive difference in your resume or graduate school application. Massey University’s programme, which is unlike any other in New Zealand, combines a two-week national expedition with a four-week internship.

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Communication and Marketing

This track focuses on Journalism, Media Studies, Public Relations, Advertising, Marketing, and Communication, and other closely related subject areas.

Your expedition will take you across both Islands to delve into how successful the brands and images of the tourism industry are at capturing people’s attention. Our academic staff will afford you an insider’s view of these organisations, the country, and its culture as you trav-
erse New Zealand. Stops along your trek will involve visiting iconic Kiwi locations. You will explore New Zealand’s adventure capital, alpine towns and glaciers, historic settlements, and the country’s geothermal playground.

Interns will be placed in a range of organisations across Wellington, a capital city renowned for its arts and culture. These organisations will provide you with rich insights into the diverse character of the Wellington community. Your work will benefit the host and the communities they serve, as well as providing you with achievements that will bolster your resume or graduate school application when you return home. All of you will live and cook together in the same backpacker-style hostel in Wellington.

Massey University has strong relationships with many types of internship host organisations.

- Children’s cancer support
- Community arts agencies
- Creative company start-up hosts
- Food rescue and redistribution
- Government embassies
- Hospice
- International trade aid organisations
- Small business economic development agencies
- Sports agencies
- Support for people with disabilities
- Tourism companies
- Zoo and animal rescue organisations

Highlights

- Travel through some of the planet’s most spectacular scenery for two weeks
- Invest four weeks in a foreign internship relevant to your academic and career goals
- Transfer half a semester of credit back to your home institution
- Study abroad during your summer break
- Work alongside of Kiwis and see parts of New Zealand open only to locals

National Expedition & Internship - Creative Expression & Digital Media

National Expedition and Internship
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Information about the scholarships, itineraries, internship placements, and more is available at http://massey.ac.nz/explorenz

Creative Expression and Digital Media track

This track focuses on Theatre, Scriptwriting, Creative Writing, Publishing, Media Studies, Digital Media Production, and other closely related subject areas.

Through an intensive study of key works from seven locales including urban, rural and wilderness areas, you will discover the ways in which contemporary creative expression in Aotearoa/New Zealand reflects its people, culture and history. You will study some of the best examples of creative writing, feature film, documen-
tary, and community theatre and produce original creative work under the guidance of experienced faculty. Your expedition will include screenings and attendance at rehearsals and performances.

Wellington will be your home over your four-week internship. It is a fantastic location for this type of program due to its concentration of creative sector organisations. Working side by side with creative practitioners in another country will enhance your knowledge and insights in a way that an internship in your own country cannot. You will live with the other interns and cook together in a backpackers-style hostel in Wellington.

Massey has ties to a variety of creative arts organisations and companies across Wellington.

- Alternative arts and theatre venues
- Arts festival organisations
- Community arts centres
- Film studios
- Indigenous theatre companies
- Literary journals/zines
- Performance venues
- Publishing houses
- Screen production companies
- Youth theatre companies

**Highlights**

- Travel through some of the planet’s most spectacular scenery for two weeks
- Invest four weeks in a foreign internship relevant to your academic and career goals
- Transfer half a semester of credit back to your home institution
- Study abroad during your summer break
- Work alongside of Kiwis and see parts of New Zealand open only to locals

**National Expedition & Internship - Disaster Risk & Emergency Management**

**National Expedition and Internship**

Most summer study abroad programmes are based in a classroom. Not ours. You will travel through some of the planet’s most spectacular scenery, intern with a foreign organisation, and see parts of New Zealand open only to locals, all while earning 6-8 U.S. semester credits over your summer break.

The international experience you gain over these six weeks will make an impressive difference in your resume or graduate school application. Massey University’s programme, which is unlike any other in New Zealand, combines a two-week national expedition with a four-week internship.

**Explore New Zealand Scholarships**

Massey University offers scholarships to make your summer adventure even more affordable. Information about the scholarships, itineraries, internship placements, and more is available at [http://massey.ac.nz/explorenz](http://massey.ac.nz/explorenz)

**Disaster Risk and Emergency Management track**

This track focuses on Emergency Management, Homeland Security, Public Safety, Engineering, Urban and Regional Planning, Public Policy, Sociology, Geography, Health Sciences, and other closely related subject areas.

You’ll explore New Zealand’s varied hazardscape, debate the pros and cons of the world’s responses to significant hazards and emergencies, and work with local experts and community groups to understand the context, consequences, and management of risks. You will gain an understanding of the intricate relationships between risk reduction/mitigation, resilience, readiness, response, and recovery. Our subject matter experts will provide you with in-depth knowledge and real-world experiences as you travel across the North and South Islands.

Wellington is the seat of the New Zealand government and has been called the “coolest little capital in the world” by Lonely Planet. It serves as headquarters to a number of national organisations and the Disaster Hub, a governmental, community, and university collaboration launched by the Joint Centre for Disaster Re-
search. All interns are housed and cook together in a backpacker-style hostel in Wellington.

Our internship hosts serve as the backbone of the New Zealand government's response to dealing with large scale emergencies.

- City and district councils
- Civil Defence Emergency Management groups
- Critical infrastructure providers
- Emergency Management offices
- Fire services
- Governmental departments
- Hospital and health services
- National defence forces
- News organisations
- Police services
- Regional authorities

Highlights

- Travel through some of the planet's most spectacular scenery for two weeks
- Invest four weeks in a foreign internship relevant to your academic and career goals
- Transfer half a semester of credit back to your home institution
- Study abroad during your summer break
- Work alongside of Kiwis and see parts of New Zealand open only to locals

Our internship involves a placement in a media company, for-profit business, community arts agency, sports organisation, governmental department, global non-profit, or Massey's International Relations Office. The internship can credit back to your degree as one of the four courses you take during the semester.

Fieldwork Opportunities

Many Massey courses provide a fieldwork component, which is a great way to get hands-on experience outside the classroom. These courses also give you the opportunity to explore New Zealand as part of your studies.

Auckland Campus

Massey Auckland, located in rolling parkland on Auckland's beautiful North Shore, is New Zealand's newest and most modern university campus. The growing campus of 6,500 students is surrounded by cafés, shopping centres, cinemas, art galleries, libraries, a performing arts facility, and extensive sports facilities. State-of-the-art science laboratories and The Trading Room complement the newly opened Student Central complex at the heart of the campus.

The campus is 20 minutes from Auckland's city centre via quick public transport. Ranked in Lonely Planet's Top 10 Best in Travel destinations, Auckland is New Zealand's largest and most multicultural city, with more than 1.5 million people. It is highly rated in international surveys as one of the best cities in the world to live because of its sophisticated urban environment, great climate, and numerous leisure options. Within half an hour of Auckland are two mountain ranges, numerous beaches, 48 volcanic cones, and more than 50 islands.

Highlights

- Multiple scholarships available
- Enrolled in courses before you arrive
- Airport pick up
- Guaranteed accommodation
- Events, off-campus trips, and excursions throughout the semester

Study Abroad - Palmerston North Campus

Find Yourself in New Zealand

Massey University is a world-ranked institution with intriguing courses to take as you have the time of your life exploring the country. We make it easy for you to live and study in New Zealand.

Find courses, learn about life at Massey, and see what past students have to say at massey.ac.nz/studyabroad

Full-Semester Internships

www.eduglopedia.org
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Full-Semester Internships

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Fieldwork Opportunities

Many Massey courses provide a fieldwork component, which is a great way to get hands-on experience outside the classroom. These courses also give you the opportunity to explore New Zealand as part of your studies.

Manawatu Campus in Palmerston North

Massey Manawatu, home to 6,000 students, is renowned for its beautiful park-like setting just minutes from the city centre. The campus boasts great sports facilities, a huge range of clubs and societies, four-star accommodation, and free bus service throughout Palmerston North. The campus is New Zealand's premier institution for life sciences, agricultural, horticultural and veterinary teaching and research. Massey Manawatu offers the widest range of subjects within the sciences, health, business, humanities, and social sciences.

Palmerston North has the lowest cost of living of any university city in the entire country. It is truly a student city with 40% of its population engaged in tertiary study across five institutions. Palmerston North has about 80,000 inhabitants and offers energetic arts, entertainment, and sports scenes while maintaining the friendly warmth of heartland New Zealand. Cafés, restaurants serving global cuisines, and outdoor adventure stores ring the compact downtown square. The city is very walkable and the extensive network of buses and bike lanes make it easy to get around.

Highlights

- Multiple scholarships available
- Enrolled in courses before you arrive
- Airport pick up
- Guaranteed accommodation
- Events, off-campus trips, and excursions throughout the semester

Study Abroad - Wellington Campus

Find Yourself in New Zealand

Massey University is a world-ranked institution with intriguing courses to take as you have the time of your life exploring the country. We make it easy for you to live and study in New Zealand.

Find courses, learn about life at Massey, and see what past students have to say at massey.ac.nz/studyabroad

Full-Semester Internships

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Fieldwork Opportunities

Many Massey courses provide a fieldwork component, which is a great way to get hands-on experience outside the classroom. These courses also give you the opportunity to explore New Zealand as part of your studies.

Wellington Campus

Massey Wellington is located in the heart of the city's arts and culture district. The campus has 3,500 students and is friendly and hip. It is home to New Zealand's most distinguished School of Design, world-class research centres, and the country's oldest and most respected School of Communication, Journalism and Marketing. A great student accommodation complex is close to campus and the city centre.

Compact and welcoming, Wellington is packed with restaurants, boutiques, and a colourful nightlife. It is the seat of the New Zealand government was called the "coolest little capital in
the world” by Lonely Planet. Home to over 200,000 residents, Wellington serves as headquarters to a number of national organisations and is a magnet for creative and innovative people, such as film director Peter Jackson and his Academy Award-winning Weta Workshop.

Highlights

- Multiple scholarships available
- Enrolled in courses before you arrive
- Airport pick up
- Accommodation support
- Events, off-campus trips, and excursions throughout the semester
School of Information Management

VICTORIA UNIVERSITY OF WELLINGTON

School of Information Management
Victoria University of Wellington
23 Lambton Quay
6011 Wellington
New Zealand

Institution website: victoria.ac.nz/sim
EDUglopedia: eduglopedia.org/school-of-information-management-victoria-university-of-wellington

ABOUT

Victoria University of Wellington is a state-funded University based in the capital city of New Zealand. It is one of the oldest and most prestigious universities in New Zealand and is renowned for its teaching and research. It has established an international reputation for the high quality of its graduates and research and it has a proud tradition of academic excellence. There are over 22,000 students from a wide range of cultural backgrounds, and approximately 1,900 permanent staff at Victoria, making it one of Wellington's most significant employers.

The Victoria Business School continually seeks formal accreditations and certifications from international organisations. The School is among just 72 business schools worldwide that hold the ‘triple crown’ of international accreditations of the European Quality Improvement System (EQUIS), Association to Advance Collegiate Schools of Business (AACSB) and the Association of MBAs (AMBA). We are among a select group of business schools worldwide and one of only three in Australasia and the only one in New Zealand to have achieved dual AACSB accreditation in business and accounting.

Victoria University is situated in the heart of the business and government districts of Wellington and close links are maintained between the Faculty and the city. The Victoria Business School and the Faculty of Law are located at the Pipitea Campus in downtown Wellington. Wellington offers a lively cultural and arts scene, a variety of restaurants, and opportunities for a wide range of outdoor activities. The city is centrally located in New Zealand and the magnificent scenic and outdoor recreation attractions of the rest of the country are within easy access. The University's location in New Zealand's capital city facilitates links with the finance and business sectors, national sector organisations, and government policy-makers.

www.eduglopedia.org
PROGRAMS

Bachelor Commerce (BCom)

Within the BCom, the INFO major provides the new commerce graduate with a clear understanding of how information systems is used to create value in commerce and government. Information systems graduates develop their foundation skills in data and process management to be equipped to effectively design and coordinate information resources, information flows and online commercial activity. From that foundation, students can further focus their studies into predefined specialisations of Business Analysis or IT Solutions Developer to give them an immediately compelling and marketable value proposition for future employers. Or, students can choose to ‘tailor make’ a programme to follow their individual passions and interests.

Master of Information Management (MIM)

The MIM is New Zealand’s premier masters qualification designed for IT professionals who are moving to senior business-oriented roles. It combines leading-edge research with rigorous case analysis and peer-based learning in a flexible, modular structure suited to fulltime workers in Auckland and Wellington.

The MIM programme caters for

- IT industry professionals who aim to move into senior business-orientated roles
- Managers taking on higher-level responsibilities in information systems
- CIOs wishing to broaden their management perspective
- Other mid-career professionals wishing to move into information management roles

The ability to manage information systems is a worldwide need in businesses and governments, and the demand for information professionals will continue in the forseeable future.

The 180-point MIM programme consists of 11 courses: 2 core courses (15 points each), 8 elective courses (15 points each), plus either Case Study (Consulting Project) or Research Project (30 points each).

Highlights

- Courses are offered in Auckland and Wellington
- Classes are held in the evening to accommodate working professionals
Further institutions on EDUglopedia:

**Box Hill Institute**  
School of Business, Service Skills, ICT & Creative Arts  

**Deakin University**  
Department of Information Systems and Business Analytics  

**Edith Cowan University**  
School of Business and Law  

**Griffith University**  
School of ICT  
EDUglopedia [eduglopedia.org/go/school-of-ict-griffith-university](http://eduglopedia.org/go/school-of-ict-griffith-university)

**Monash University**  
Faculty of Information Technology  
EDUglopedia [eduglopedia.org/go/faculty-of-information-technology-monash-university](http://eduglopedia.org/go/faculty-of-information-technology-monash-university)

**Swinburne University of Technology**  
Faculty of Business and Law  

**The University of Melbourne**  
Computing and Information Systems  

**The University of Queensland**  
School of Information Technology and Electrical Engineering  

[www.eduglopedia.org](http://www.eduglopedia.org)
The University of Queensland
UQ Business School
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University of Southern Queensland
School of Management and Enterprise
EDUglopedia eduglopedia.org/go/school-of-management-and-enterprise-university-of-southern-queensland

Victoria University
College of Business, Information Systems Discipline
EDUglopedia eduglopedia.org/go/college-of-business-information-systems-discipline-victoria-university

Auckland University of Technology
Department of Business Information Systems
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University of Otago
Department of Information Science
EDUglopedia eduglopedia.org/go/department-of-information-science-university-of-otago

University of Waikato
Dept of Management Systems
EDUglopedia eduglopedia.org/go/dept-of-management-systems-university-of-waikato
EDITORIAL NOTES

The content of this report has been provided by the participating institutions as of 16th August 2019. The University of Liechtenstein has compiled, and where possible checked, all of the information provided on EDUglopedia.org to the best of its knowledge. The University of Liechtenstein assumes no liability whatsoever for the timeliness, completeness, quality, and availability, for any editorial errors, omissions, etc., or for the accuracy of the data collected on EDUglopedia.org.

We would like to thank all colleagues for their input!

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IMPRINT

Publisher: University of Liechtenstein
Editing: Marina Hagen-Canaval
Layout: Marina Hagen-Canaval
Graphics: Michael Gau