

The following faculties of the University of Applied Sciences and Arts Northwestern Switzerland offer Master programmes:

- School of Applied Psychology
- School of Architecture, Civil Engineering and Geomatics
- Academy of Art and Design
- School of Life Sciences
- Academy of Music
- School of Teacher Education
- School of Social Work
- School of Engineering
- **School of Business**

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Master of Science in
Business Information Systems



Master of Science in Business Information Systems

Learn to innovate in the digital economy.

The Master of Science in Business Information Systems has been designed for ambitious students who are committed to pursuing a career on the integration of business and information technology. The course provides students with up-to-date methods and skills to cope with the challenges of digitalization.

Practice-orientation, Innovation, International

The goal of the course is to empower students to effectively exploit information and information systems for the success of enterprises in a globalized, networked and digital economy.

Going beyond the current state of practice, we enable students to gain result-oriented problem solving competences and empower them to become drivers of innovation in their enterprises.

A multi-cultural learning community field trips and study opportunities abroad make the course truly international.

Contact

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www.fhnw.ch/business/msc-bis



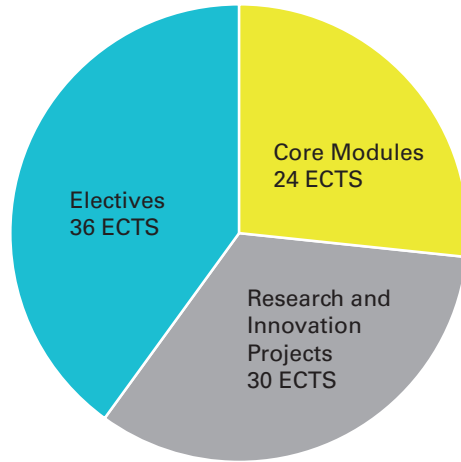
Curriculum and content

The curriculum is divided into three main module groups.

Module Groups	Modules	ECTS
Core Modules	Alignment of Business and IT	6
	Business Intelligence	6
	Business Process Management	6
	Strategic Business Innovation	6
Research and Innovation Projects	Research Methods for Information Systems	6
	Master Thesis Proposal	6
	Master Thesis	18
Electives	Agile Business Analysis	6
	Applied Computational Intelligence	6
	Artificial Intelligence in Drug Discovery ^{(HLS) *}	3
	Business Analytics: Quantitative Methods	6
	Challenging International Managers and Leaders	6
	Cloud Computing	6
	Cyber Security and Cyber Resilience	6
	Data Science	6
	Digital Transformation in Healthcare ^{(HLS) *}	6
	Digitalization of Business Processes	6
	E-Business and Mobile Business	6
	Emerging Topics for Business Information Systems	6
	Innovation in the Digital Age	6
	International Field Trip	6
	IT Governance, Risk and Compliance	6
	Knowledge Management and Competence Development	6
	Knowledge Processing and Decision Making	6
	Lean Entrepreneurship	6
	Machine Learning in Personalized Medicine ^{(HLS) *}	3
	Managing IT in a Digitized World	6
	Supply Chain Management	6
User-Centered Design and Design Thinking ^{(APS) *}	3	
Independent Learning Module	6	

*) Offered by School of Life Sciences (HLS) or School of Applied Psychology (APS) – places are limited

Individual Study Design



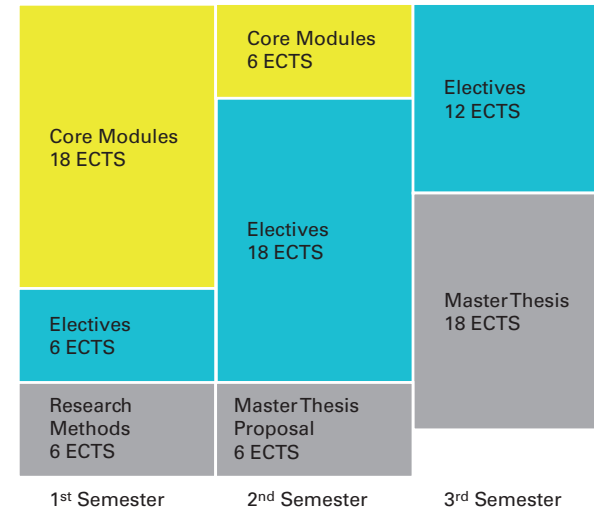
Projects and a variety of electives allow students to design their course programme individually according to their preferred areas of interest.

The course is offered as

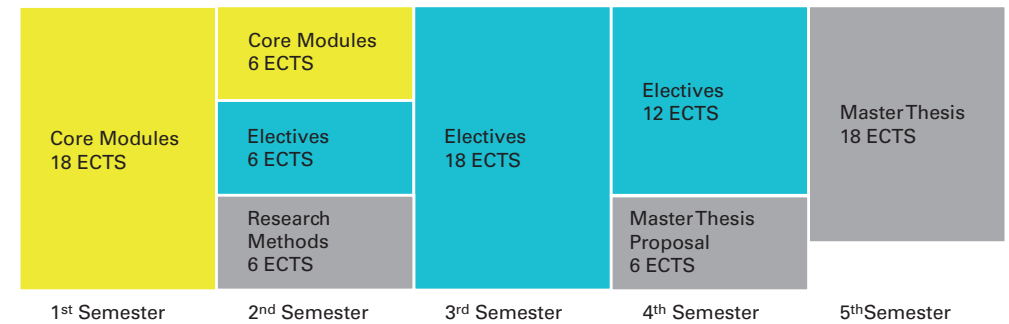
- a full-time course of 3 semesters (1.5 years) or
- a part-time course of 5 semesters (2.5 years).

The course can be flexibly adapted to personal constraints and opportunities. A combination of full-time and part-time studies over 4 semesters or even an extension to 6 semesters and more is possible. The students can decide themselves, which and how many modules they attend during each semester.

Full-time course



Part-time course



Excellent Career Prospects

The course prepares students for demanding tasks in the corporate and academic world.

- Ongoing digitalization will raise the importance of information systems for the success of companies. This will lead to an increasing demand for information systems specialists over the coming years.
- The course qualifies graduates to write a doctoral thesis. In cooperation with our partner university in Camerino (Italy) we offer opportunities for subsequent PhD studies.

Double Degree

We offer the opportunity to enhance the Master of Science in Business Information Systems with additional degrees

- In collaboration with the University of Camerino (Italy) we offer the opportunity to undertake an exchange and gain an additional Master of Science in Computer Science from our partner university.
- In collaboration with the Institut Teknologi Bandung (Indonesia) we offer the opportunity to undertake an exchange and gain an additional Master of Science in Management from our partner university.
- After successful graduation from the Master of Science in Business Information Systems there is the opportunity to transfer credits for the additional Master of Science in International Management FHNW or the Master of Science in Medical Informatics FHNW.

International Field Trips

Field trips to Silicon Valley, Asia and South Africa open up opportunities for our students to understand other countries' economic, social, political and cultural systems and develop a global mindset.

International exchange opportunities

Exchange programmes can be combined with writing the master's thesis in cooperation with one of our carefully selected partner universities abroad.

Tuition Language

The course is taught entirely in English.

Teaching Location

Teaching is offered in Olten (modules from School of Life Sciences are offered in Muttenz).

Entry Requirements

The registration requirements for the Master of Science in Business Information Systems encompass

- a Bachelor of Science or Bachelor of Arts in Business Informatics (Wirtschaftsinformatik), Information Systems, Business Administration (Betriebsökonomie), Computer Science (Informatik) or a similar field of study
- good or very good grades
- good or very good linguistic abilities in English
- work experience

Pre-Master's Modules

If a candidate lacks some of the knowledge required for the Master of Science in Business Information Systems, the admission commission can request her/him to attend a Pre-Master programme before the start of the Master's course.

We offer three different courses:

- Pre-Master Business Administration
- Pre-Master Business Process Management
- Pre-Master Information Systems

The Pre-Master courses are offered in a distance-learning mode, free of charge for accepted students.

Tuition Fees

Application fee	once	CHF 200
Course fee	per semester	CHF 700 / 1,000 / 7,500 ^{*)}
Copying and materials	per semester	CHF 100
Student organisation	per semester	CHF 10
Diploma fee	once	CHF 300

^{*)} Personal course fee is CHF 700 per semester for Swiss citizens and holders of Swiss residence permits not issued specifically for study purposes.

Personal course fee is CHF 1,000 per semester for EU or EFTA citizens and holders of EU or EFTA residence permits not issued specifically for study purposes.

Tuition fee for all other students is CHF 7,500 per semester