University of Applied Sciences and Arts Northwestern Switzerland
School of Business

Master of Science in Business Information Systems

www.fhnw.ch/business/msc-bis

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 digitalisation.

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 globalised, networked and digital economy.

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

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

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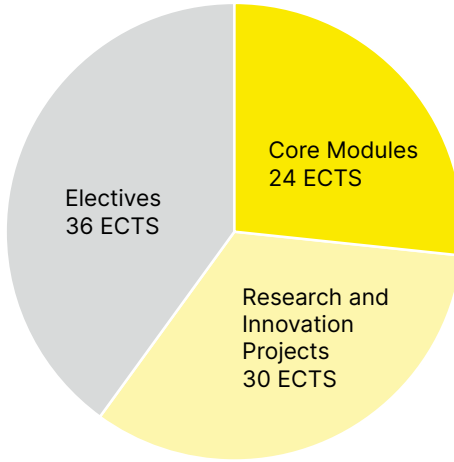
Curriculum and content

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 for Business Processes MI)	6
	Artificial Intelligence in Drug Discovery MI)	3
	Business Analytics: Quantitative Methods	6
	Challenging International Managers and Leaders	6
	Cloud Computing	6
	Cyber Security and Cyber Resilience	6
	Cyber Security in Health MI)	3
	Data Governance and Information Management	6
	Data Science	6
	Digital Transformation in Healthcare MI)	6
	Digitalisation of Business Processes	6
	E-Business and Mobile Business	6
	Emerging Topics for Business Information Systems	6
	Human-Machine Interaction and Bias Mitigation MI)	3
	Innovation in the Digital Age	6
	International Field Trip	6
	IT Governance, Risk and Compliance	6
	Knowledge Processing and Decision Making	6
	Lean Entrepreneurship	6
	Machine Learning in Medicine MI)	3
	Managing IT in a Digitized World	6
	Model-based Design of Cyber-Physical Solutions	6
	Qualitative Decision Making and Knowledge Management	3
	Supply Chain Management	6
	User-Centered Design and Usability Testing APS)	3
	Independent Learning Module	6

MI) offered by MSc Medical Informatics, APS) offered by FHNW School of Applied Psychology

Individual Study Design

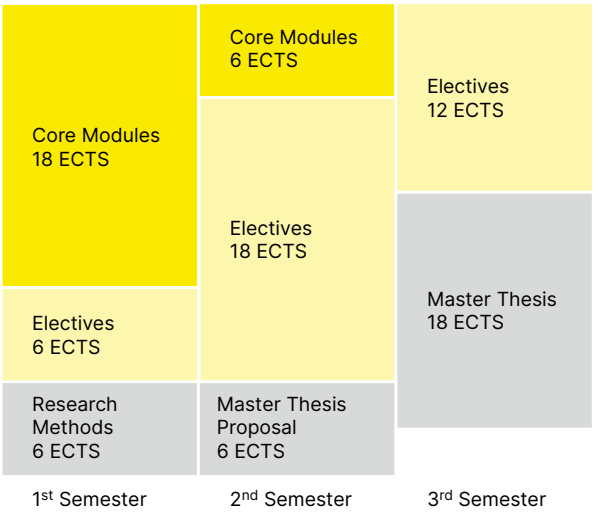


Projects and a variety of electives allow students to design their course programme individually according to their preferred areas of interest.

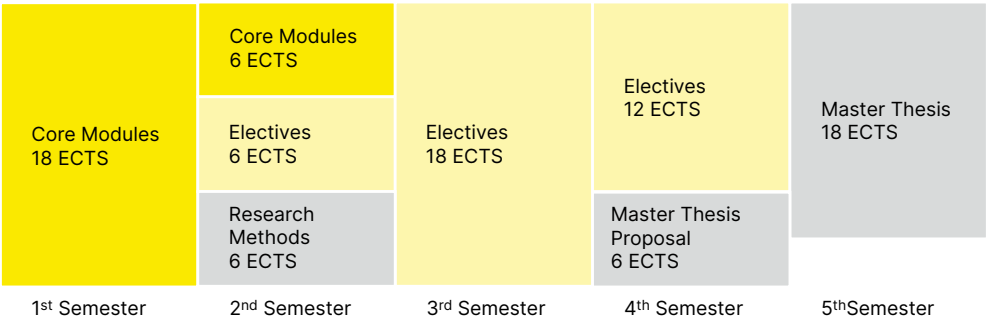
The course is offered as follows:
– a full-time course of 3 semesters (1.5 years)
– a part-time course of 5 semesters (2.5 years)

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 digitalisation will raise the importance of information systems and artificial intelligence 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 do a PhD study at a university, for example at our partner university in Camerino (Italy).

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) and the Institut Teknologi Bandung (Indonesia) we offer the opportunity to undertake an exchange and gain an additional Master of Science from our partner universities.

  Master of Science in Computer Science, University of Camerino (Italy)

  Master of Science in Management, Institut Teknologi Bandung (Indonesia)

- 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 the 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), Business Engineering (Wirtschaftsingenieurwesen) or a similar field of study
- sufficent language skills in English
- work experience

Pre-Master's Modules

Candidates who lack some of the knowledge required for the Master of Science in Business Information Systems, can be requested to attend corresponding Pre-Master courses before the start of the study. 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.

Contact

Prof. Dr. Knut Hinkelmann
Programme Head Master of Science in Business Information Systems
T +41 62 957 23 01
knut.hinkelmann@fhnw.ch

Tuition Fees

Application fee	once	CHF 200
Course fee	per semster	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

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The FHNW University of Applied Sciences and Arts Northwestern Switzerland is made up of the following universities:

– FHNW School of Applied Psychology
– FHNW School of Architecture, Construction and Geomatics
– Basel Academy of Art and Design FHNW
– FHNW School of Business
– FHNW School of Education
– FHNW School of Engineering
– FHNW School of Life Sciences
– Basel Academy of Music FHNW
– FHNW School of Social Work

University of Applied Sciences and Arts
Northwestern Switzerland
FHNW School of Business
Riggenbachstrasse 16
CH - 4600 Olten
info.business@fhnw.ch
T +41 84 882 10 11

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