Digitalization and Applied Data Science

Bachelor Minor (30 ECTS)

Faculty of Business, Economics, and Social Sciences

April 25, 2024
Goals of Minor in Digitalization and Applied Data Science

Goal 1: Digital awareness
Understand the digital transformation of businesses, economies, and societies

Goal 2: Data proficiency
Learn to collect, organize, visualize and analyze data
Target audience and prerequisites

Target audience:
- Tailored to students enrolled in a WISO bachelor program, but open to all
- Intended for students with a keen interest in digitalization and technical aspects such as programming

Prerequisites:
- Prior completion of an introductory statistics course is highly recommended
- Recommended start of program in 3rd semester (after the introductory year)
### Structure

**Mandatory courses**
- Five courses worth 18 ECTS
- Language: English
- Recommended completion in semesters 1–3 of study program

**Elective courses**
- Select 12 ECTS worth of courses from a list of electives (published online)
- Elective courses are offered by three departments (BWL, VWL, SOWI)
- Language: English and German
- Recommended completion in semesters 3–4 of study program
Mandatory courses

Fall semester
- Programming I
- Digitalization of societies

Spring semester
- Programming II
- Data management

Fall semester
- Data visualization and machine learning
Registration is open

For detailed information, please visit the program website:

https://www.wiso.unibe.ch/studium/studienprogramme/bachelor_minorstudienprogramm_digitalization_and_applied_data_science