

Example of an ECMI study plan in Technomathematics

First Year Studies - First Semester

Numerical Methods for Ordinary Differential Equations (7.5 ECTS)
Numerical Functional Analysis and Optimization (7.5 ECTS)
Mathematical Modeling and Applications (7.5 ECTS)
Statistical Linear Models (7.5 ECTS)

First Year Studies - Second Semester

Functional Analysis (7.5 ECTS)
Numerical Analysis of Partial Differential Equations (7.5 ECTS)
Mathematical Statistics (7.5 ECTS)
Computational Mechanics [Integrated Master in Mechanical Engineering] (6 ECTS)
Optimal Control [Integrated Master in Mechanical Engineering] (6 ECTS)

Second Year Studies - First Semester

Optimization and Algorithms [Integrated Master in Electronic Engineering] (6 ECTS)
Research Project in Mathematics and Applications (12 ECTS)
Project in Mathematical Modeling (6 ECTS)
Seminar B (3 ECTS) = ECMI Modeling Week

Second Year Studies - Second Semester

Master thesis in Industrial Mathematics (30 ECTS)

Example of an ECMI study plan in Econometrics

First Year Studies - First Semester

Statistical Linear Models (7.5 ECTS)
Probability Theory (7.5 ECTS)
Numerical Functional Analysis and Optimization (7.5 ECTS)
Methods and Applications in Economic Analysis [Industrial Engineering and Management] (6 ECTS)

First Year Studies - Second Semester

Introduction to Stochastic Processes (7.5 ECTS)
Mathematical Statistics (7.5 ECTS)
Statistical Methods in Data Mining (7.5 ECTS)
Introduction to Mathematical Finance (7.5 ECTS)

Second Year Studies - First Semester

Reliability and Quality Control (7.5 ECTS)
Optimization and Algorithms [Integrated Master in Electronic Engineering](6 ECTS)
Research Project in Mathematics and Applications (12 ECTS)
Project in Mathematical Modeling (6 ECTS)
Seminar B (3 ECTS) = ECMI Modeling Week

Second Year Studies - second Semester

Master thesis in Industrial Mathematics (30 ECTS)