

**Recommended study plan:**

1<sup>st</sup> semester – compulsory courses (24 ECTS), social competences courses (3 ECTS), professional courses (3 ECTS)

2<sup>nd</sup> semester – compulsory courses (18 ECTS), social competences courses (6 ECTS), professional courses (6 ECTS)

3<sup>rd</sup> semester – compulsory courses (21 ECTS), technical courses (6 ECTS), professional courses (3 ECTS)

4<sup>th</sup> semester – compulsory courses (18 ECTS), social competences courses (3 ECTS), professional courses (6 ECTS), technical courses (3 ECTS)

The study program uses the supportive environment of the oldest and best Czech Technical University that is a member of the family of the EuroTeQ Engineering University that strives to promote collaboration between six strong Universities of Technology and 45 associated partners, fostering the European spirit in innovative engineering education across Europe. MIAS actively participate in this effort, thus forming a specific profile of the graduates of this 2 years master program. After completions this program the graduates are prepared to an intermediate/senior manager position in big industrial enterprises with ability to work in an international environment with understanding European efforts in the innovative technological processes.

**The study program (120 ECTS) is composed of**

1. Compulsory courses (81 ECTS credits)
2. Optional courses (39 ECTS)
  - professional courses (18 ECTS)
  - social competences (12 ECTS)
  - technical courses (9 ECTS)

**Legend**

**L**    **lecture**  
**E**    **exercise**

**UA**   **ungraded assessment**  
**EX**   **examination**  
**GA**   **graded assessment**

**1<sup>st</sup> semester****Compulsory subjects (24 ECTS)**

Code	Course	Hours taught	ECTS	UA	EX	GA
G16E1202	Project Management	2L+2E	6	✓	✓	
G16E1401	Marketing Innovations	2L+2E	6	✓	✓	
G63E1102	Statistical Analysis	2L+2E	6	✓	✓	
G63E1301	Corporate Financial Management	2L+2E	6	✓	✓	

**Social competences courses – optional for the 1<sup>st</sup> semester (3 ECTS)**

Students select one course for 3 or 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G04E0201	English for Intercultural Communication	0L+4E	6	✓	✓	
G16E0102	Managing in an International Environment	1L+1E	3	✓	✓	
G16E0401	Strategies of Entering New Markets	1L+1E	3	✓	✓	

**Professional Courses (3 ECTS)**

Students select one course for 3 or 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G63E3301	Economic and Financial Modelling	0L+2E	3			✓
G63E0201	Economics of Climate Change	2L+2E	6	✓	✓	
G16E1302	Lean Manufacturing	2L+2E	6	✓	✓	
G16E3301	Six Sigma	0L+2E	3		✓	
G16E1201	Standards of Project Management	2L+2E	6	✓	✓	
G16E0201	Agile BootCamp	0L+2E	3			✓
G65E3101	City Competitiveness	2L+0E	3		✓	

**2<sup>nd</sup> semester****Compulsory subjects (18 ECTS)**

Code	Course	Hours taught	ECTS	UA	EX	GA
G63E2201	Microeconomic Theory	2L+0E	3		✓	
G16E3103	Decision Analysis	2L+2E	6	✓	✓	
G63E2302	Controlling	2L+2E	6	✓	✓	
G63E2303	Financial Law	2L+0E	3		✓	
G00E3101	Diploma Thesis Project	1L+0E	0	✓		

**Social competences courses – optional for the 2<sup>nd</sup> semester (6 ECTS)**

Students select one or two courses for 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G04E0201	English for Intercultural Communication	0L+4E	6	✓	✓	
G04E0202	Meetings and Negotiations in English	0L+4E	6	✓	✓	
G16E0102	Managing in an International Environment	1L+1E	3	✓	✓	
G16E0401	Strategies of Entering New Markets	1L+1E	3	✓	✓	
G16E0501	Social Competences in Project and Process Management	0L+2E	3	✓		

**Professional Courses (6 ECTS)**

Students select one course for 3 or 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G16E2302	Business Process Management	2L+2E	6	✓	✓	
G63E0202	Green Transition	2L+2E	6	✓	✓	
G16E2501	HR Management Systems	2L+2E	6	✓	✓	
G16E2201	Modern Approaches in Project Management	2L+2E	6	✓	✓	
G63E2301	Financial Markets and Risk Management	2L+2E	6	✓	✓	
G63E4301	Advanced Topics in Financial Management	0L+2E	3	✓		
G65E4101	European Union and Regional Policy	2L+0E	3		✓	
G16E0201	Agile BootCamp	0L+2E	3			✓

**3<sup>rd</sup> semester****Compulsory subjects (21 ECTS)**

Code	Course	Hours taught	ECTS	UA	EX	GA
G16E3101	Strategic Management	2L+2E	6	✓	✓	
G16E0202	Project Technology Management	2L+2E	6	✓	✓	
G63E3201	Macroeconomic Theory	2L+0E	3		✓	
G63E4401	Information Systems Design	2L+2E	6	✓	✓	

**Technical Courses – optional (6 ECTS)**

Students select one or two courses for 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G77E0011	Environmental Technology	2L+0E	3		✓	
G77E0007	Telecommunication Systems and Technologies	2L+0E	3		✓	
G65E1301	Smart Cities and Regions	2L+2E	6	✓	✓	
G16E0103	Management in the Engineering and Automotive Industry	2L+2E	6	✓	✓	

**Professional Courses (3 ECTS)**

Students select one course for 3 or 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G63E3301	Economic and Financial Modelling	0L+2E	3			✓
G63E0201	Economics of Climate Change	2L+2E	6	✓	✓	
G16E1302	Lean Manufacturing	2L+2E	6	✓	✓	
G16E3301	Six Sigma	0L+2E	3		✓	
G16E1201	Standards of Project Management	2L+2E	6	✓	✓	
G16E0201	Agile BootCamp	0L+2E	3			✓
G65E3101	City Competitiveness	2L+0E	3		✓	

**4<sup>th</sup> semester****Compulsory subjects (18 ECTS)**

Code	Course	Hours taught	ECTS	UA	EX	GA
G00E4102	Diploma Thesis		12	✓		
G16E0203	Project Innovation Management	2L+2E	6	✓	✓	

**Social competences courses – optional for the 4<sup>th</sup> semester (3 ECTS)**

Students select one or two courses for 3 or 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G04E0201	English for Intercultural Communication	0L+4E	6	✓	✓	
G04E0202	Meetings and Negotiations in English	0L+4E	6	✓	✓	
G16E0102	Managing in an International Environment	1L+1E	3	✓	✓	
G16E0401	Strategies of Entering New Markets	1L+1E	3	✓	✓	
G16E0501	Social Competences in Project and Process Management	0L+2E	3	✓		

**Professional Courses (6 ECTS)**

Students select one course for 3 or 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G16E2302	Business Process Management	2L+2E	6	✓	✓	
G63E0202	Green Transition	2L+2E	6	✓	✓	
G16E2501	HR Management Systems	2L+2E	6	✓	✓	
G16E2201	Modern Approaches in Project Management	2L+2E	6	✓	✓	
G63E2301	Financial Markets and Risk Management	2L+2E	6	✓	✓	
G63E4301	Advanced Topics in Financial Management	0L+2E	3	✓		
G65E4101	European Union and Regional Policy	2L+0E	3		✓	
G16E0201	Agile BootCamp	0L+2E	3			✓

**Technical Courses – optional (3 ECTS)**

Students select one course for 3 or 6 credits.

Code	Course	Hours taught	ECTS	UA	EX	GA
G77E0011	Environmental Technology	2L+0E	3		✓	
G77E0008	Robotics	2L+2E	6	✓	✓	
G77E0007	Telecommunication Systems and Technologies	2L+0E	3		✓	
G65E1301	Smart Cities and Regions	2L+2E	6	✓	✓	
G16E0103	Management in the Engineering and Automotive Industry	2L+2E	6	✓	✓	