



Target Group

The **university certificate** addresses Bachelor and Master students belonging to any department at Munich University of Applied Sciences.

Admission Requirements

You should make sure that you

- fulfil the relevant requirements for the specific module and
- register for the examinations correctly and on time.

Further information can be found on the Courses in English website and in the applicable study and examination regulations.

It is recommended to have a sound knowledge of English since the offered modules are taught in English.

Contact & Information

Munich University of Applied Sciences

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Contact

Courses in English

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For more information

www.hm.edu/en



International Engineering Certificate



Picture Credits

Title, 2, 7: municHMotorsport

3, 5, 8: Munic University of Applied Sciences

4, 10: Julia Bergmeister

6: Sabine Decker

9: Florian Hammerich

Department of
Mechanical, Automotive and
Aeronautical Engineering





International Engineering Certificate

About the certificate

The International Engineering Certificate aims to promote engineering expertise along with intercultural experiences and competences. You can choose from:

MECHANICAL ENGINEERING (15 ECTS)

OR

AUTOMOTIVE ENGINEERING (15 ECTS)

OR

AERONAUTICAL ENGINEERING (15 ECTS)

Additionally, select one course with intercultural/international content in the Department of General and Interdisciplinary Studies (2 ECTS).

Upon successful completion you will be awarded a certificate to add to your résumé.

Advantages

- Preparation for the global labour market
- Promotion of global perspectives and intercultural experiences and competences
- Improvement of technical language in English for non-native speakers
- The certificate is free of charge

The certificate is open to international exchange and degree-seeking students.

Course Catalogue

Choose 15 ECTS from

Focus MECHANICAL ENGINEERING

- Dynamics for Engineers (5 ECTS)
- Fluid Dynamics (5 ECTS)
- Plant Engineering (5 ECTS)
- Mechanical Engineering Project (5 ECTS)
- Fatigue and Fracture (6 ECTS)
- Automotive Mechatronics II (5 ECTS)
- Composite Materials (5 ECTS)

OR

Focus AUTOMOTIVE ENGINEERING

- Dynamics for Engineers (5 ECTS)
- Fluid Dynamics (5 ECTS)
- Fatigue and Fracture (6 ECTS)
- Automotive Mechatronics II (5 ECTS)
- Internal Combustion Engines (4 ECTS)
- Vehicle Dynamics (5 ECTS)
- Automotive Engineering Project (5 ECTS)
- Impact Simulation of Vehicle Structures (6 ECTS)
- Composite Materials (5 ECTS)

OR

Focus AERONAUTICAL ENGINEERING

- Dynamics for Engineers (5 ECTS)
- Fluid Dynamics (5 ECTS)
- Fatigue and Fracture (6 ECTS)
- Aircraft Subsystems (2 ECTS)
- Flight Mechanics (5 ECTS)
- Aerospace Control Systems (6 ECTS)
- Airplane Design and Certification (7 ECTS)
- Composite Materials (5 ECTS)
- Aerospace Engineering Project (5 ECTS)
- Space Flight Mechanics (6 ECTS)

Plus at least one

Intercultural/International Course (for all students), e.g.:

- Germany Today: Issues, Cultures, Identities (2 ECTS)
- Let's make a Deal! (2 ECTS)
- Lion, Unicorn, Tiger – Britain and Ireland Today (2 ECTS)
- Super Power on its Knees? A Look at Issues in America and their Solutions (2 ECTS)
- Intercultural Conflict Prevention (2 ECTS)
- Introduction to Intercultural Communication (2 ECTS)
- Work and Communication in Multinational Teams (2 ECTS)
- Recognize and Deal with Intercultural Conflicts (2 ECTS)
- Language Courses (2 to 3 ECTS depending on the course chosen) – other than your native language

- Classes are offered during winter semester only
- Classes are offered during summer semester only
- Classes are offered in both, winter and summer semester

Winter semester: September – February

Summer semester: March – July

Courses are subject to change.