

Our university participates in EuroTeQ Engineering University, an alliance with five other Universities of Technology in Europe. All EuroTeQ partners provide educational programmes in Mechanical Engineering, among others. We can now provide you the opportunity to take one or more Mechanical Engineering courses from partner institutions, in an online or hybrid format. You can find more information in this folder.

The EuroTeQ course catalogue

In our joint course catalogue, the six EuroTeQ universities and our associated partner Technion share educational offerings among partner institutions. The EuroTeQ courses are available to all students of each participating institution. It lists online courses, hybrid courses or blended courses with a very limited requirement to be present on-site.

The catalogue is available at www.euroteq.eu/courses and lists technological courses, but also language/culture and entrepreneurial courses.

Registration for courses is possible twice a year:

- In May, courses for the next autumn/winter semester are announced. Registration closes on **August 1st**. (Exception: registration for TalTech students closes June 20th.)
- in November, registration for courses for the next spring/summer semester will be possible.

Pre-requisites may apply. These can be found in the detailed course information.

Registration is done through your home institution. It is free of cost for students of all participating institutions.

For more information and deadlines, see the website: www.euroteq.eu/courses.



Available virtual courses in Mechanical Engineering

For Mechanical Engineering, our Programme Directors have taken extra efforts by looking at how the available courses could fit into the different Mechanical Engineering programmes. Where possible, we have identified the recognition possibilities towards your home programmes.

Please note that it does, however, remain your own responsibility at all times to discuss your specific personal situation and the possibilities for credit recognition for the listed courses with your home institution!

You can find a first quick overview of available Mechanical Engineering courses in this folder. For the more detailed information, please go to www.euroteq.eu/courses and look up the course there. Please be sure to check the pre-requisites before registering!

Course title	Offered by	Level	ECTS	Teaching format	Teaching period
Mechatronics Systems Modeling and Control	TalTech	MSc	6	Online, time-independent	01 Sep '23 – 21 Dec '23
For students in the Master programme of Mechanical Engineering, this course can be recognized as MECHATRONIKA					
Machine Vision	TalTech	MSc	6	Blended	4 Sep '23 – 22 Dec '23
For students in the Master programme of Mechanical Engineering, this course can be recognized as STROJOVÉ VNÍMÁNÍ A ANALÝZA OBRAZU					
Dynamics of Robots and Machines	TalTech	MSc	6	Hybrid	4 Sep '23 – 22 Dec '23
For students in the Master programme of Mechanical Engineering, this course can be recognized as VYŠŠÍ DYNAMIKA					
Structural Performance of Polymers and their Composites	TU/e	MSc	5	Hybrid	4 Sep '23 – 10 Nov '23
For students in the Master programme of Mechanical Engineering, this course can be recognized as MECHANIKA KOMPOZITNÍCH MATERIÁLŮ					
Scientific Computing for Mechanical Engineering	TU/e	MSc	5	Hybrid	5 Feb '24 – 19 Apr '24
For students in the Master programme of Mechanical Engineering, this course can be recognized as PROGRAMOVÁNÍ INŽENÝRSKÝCH APLIKACÍ I.					
Sustainable Energy Sources	TU/e	MSc	5	Hybrid	13 Nov '23 – 04 Feb '24
For students in the Master programme of Mechanical Engineering, this course can be recognized as ZÁKLADY ALTERNATIVNÍCH ZDROJŮ ENERGIÍ					
Numerical Methods in Fluid Mechanics	L'X	MSc	5	Online, time-independent	
For students in the Master programme of Mechanical Engineering, this course can be recognized as COMPUTATIONAL FLUID DYNAMICS					



Course title	Offered by	Level	ECTS	Teaching format	Teaching period
Numerical Methods for Solid Mechanics	L'X	MSc, PhD	5	Online, time-independent	18 Sep '23 – 30 Nov '23
For students in the Master/PhD. programme of Mechanical Engineering, this course can be recognized as METODA KONEČNÝCH PRVKŮ V APLIKACÍCH					
Instabilities and Turbulence	L'X	MSc	5	Online, at specific time	18 Sep '23 – 30 Nov '23
For students in the Master programme of Mechanical Engineering, this course can be recognized as MODELOVÁNÍ V PROUDĚNÍ					
Artificial Intelligence in Automotive Engineering	TUM	MSc	5	Online, time-independent	19 Oct '23 – 15 Feb '24
For students in the Master programme of Mechanical Engineering, this course can be recognized as UMĚLÁ INTELIGENCE					
Medical Technology 1 – an organ system-based approach	TUM	MSc	5	Hybrid	23 Oct '23 – 6 Feb '24
For students in the Master programme of Mechanical Engineering, this course can be recognized as ZÁKLADY ANATOMIE A FYZIOLOGIE I.					
Medical Technology 2 – an organ system-based approach	TUM	MSc	5	Hybrid	Summer term
For students in the Master programme of Mechanical Engineering, this course can be recognized as ZÁKLADY ANATOMIE A FYZIOLOGIE II.					
Machine Elements	TUM	BSc	3	Online, time-independent	Summer term
For students in the Bachelor programme of Mechanical Engineering, this course can be recognized as ČÁSTI A MECHANISMY STROJŮ I.					
Multidisciplinary Design Optimization	TUM	MSc	5	Hybrid	19 Apr '24 – 2 Aug '24
For students in the Master programme of Mechanical Engineering, this course can be recognized as SYNTÉZA A OPTIMALIZACE MECHANICKÝCH SYSTÉMŮ					



Course title	Offered by	Level	ECTS	Teaching format	Teaching period
Multiscale Modelling for Polymer Mechanics Extracurricular course	TU/e	MSc	5	Hybrid	14 Nov '23 – 2 Feb '24
Microscale modeling of heat storage materials Extracurricular course	TU/e	MSc	5	Online, time-independent	13 Nov '23 – 2 Feb '24
Modeling and Reduction of Complex Systems Extracurricular course	TUM	MSc	5	Hybrid	19 Apr '24 – 2 Aug '24
Tissue Engineering and Regenerative Medicine: Fundamentals and Applications Extracurricular course	TUM	MSc	5	Hybrid	25 Oct '23 – 7 Feb '24
Advanced seminar on Safe Cyber-Physical Systems Extracurricular course	TUM	MSc	5	Hybrid	18 Oct '23 – 7 Feb '24
Tribology Matters – Scientific Analysis of Technologies for Sustainable Drivetrains Extracurricular course	TUM	BSc, MSc, PhD	3	Online, at specific time	15 April '24 – 19 Jul '24
Interfacial Transport Phenomena in Engineering Flows Extracurricular course	TU/e	MSc	5	Hybrid	6 Sep '23 – 27 Oct '23



On-site exchange possibilities

Interested in a course at our partner institution, but rather going for real-life mobility? Consider an Erasmus exchange. You can find more information about the Mechanical Engineering study programmes of our partners below. If you want to know more about an Erasmus exchange, contact your university's International Office to ask about the possibilities.

Technical University of Munich (TUM)

[BSc Mechanical Engineering](#)

[MSc Mechanical Engineering](#)

Technical University of Denmark (DTU)

[Department of Mechanical Engineering](#)

[BSc, BEng and MSc programmes](#)

Eindhoven University of Technology (TU/e)

[Department of Mechanical Engineering](#)

[BSc Mechanical Engineering](#)

[MSc Mechanical Engineering](#)

École Polytechnique (I'X)

[Department of Mechanics](#)

Czech Technical University in Prague (CTU)

[Faculty of Mechanical Engineering](#)

[BSc Mechanical Engineering and several MSc programmes](#)

Tallinn University of Technology (TalTech)

[Department of Mechanical and Industrial Engineering](#)

[MSc Mechatronics](#)



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