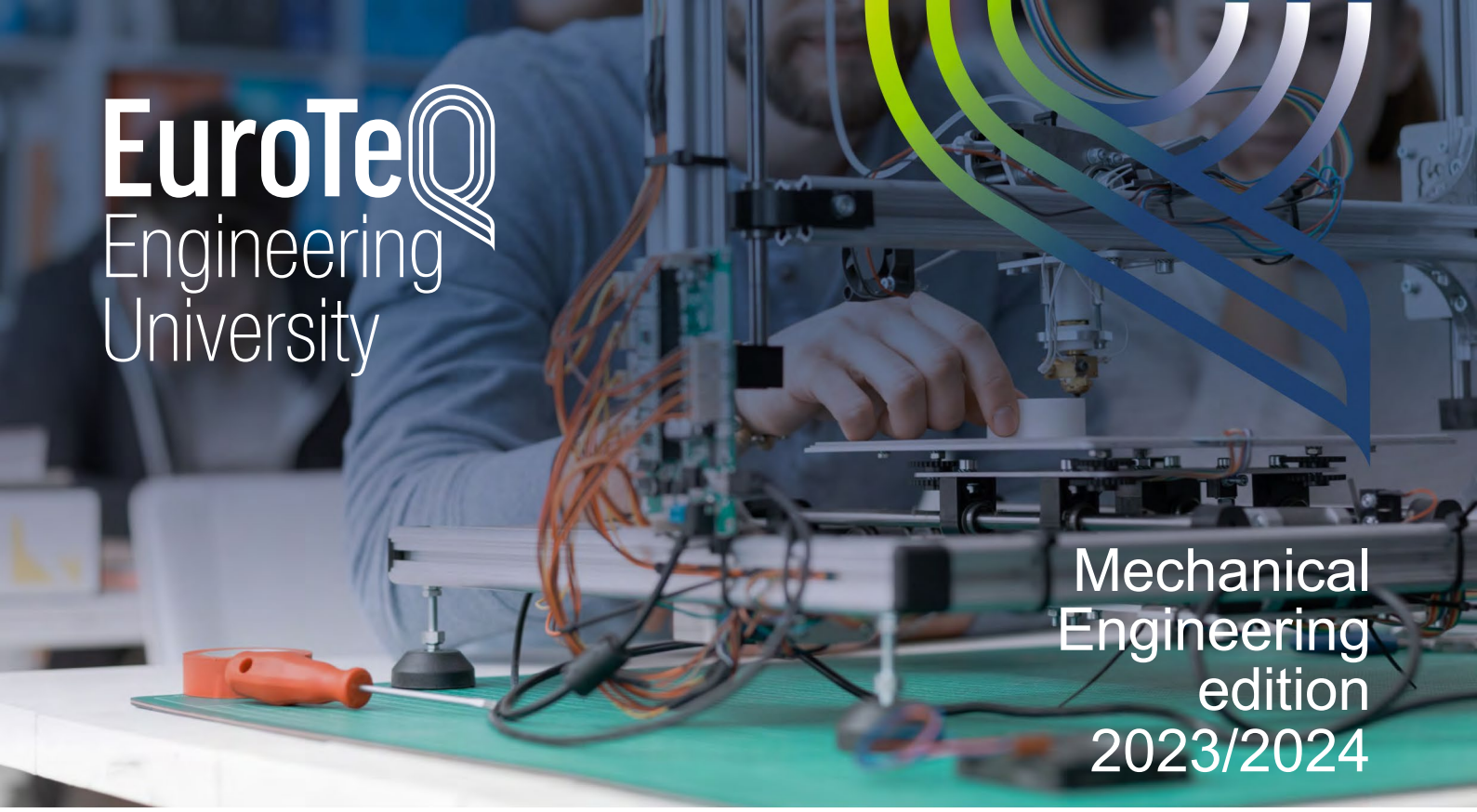

Our university participates in EuroTeQ Engineering University, an alliance with five other Universities of Technology in Europe. All EuroTeQ partners provide educational programmes in Mechanical Engineering, among others. We can now provide you the opportunity to take one or more Mechanical Engineering 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!

Courses with pre-recognition

The following courses can be followed as a free elective within your home programme.

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 TU/e students in the Master-programme of Mechanical Engineering, this course can be recognized as free elective					
Instabilities and Turbulence	L'X	MSc	5	Online, at specific time	18 Sep '23 – 30 Nov '23
For TU/e students in the Master-programme of Mechanical Engineering, this course can be recognized as free elective					
Modeling and Reduction of Complex Systems	TUM	MSc	5	Hybrid	Summer term
For TU/e students in the Master-programme of Mechanical Engineering, this course can be recognized as free elective					
Artificial Intelligence in Automotive Engineering	TUM	MSc	5	Online, time-independent	19 Oct '23 – 15 Feb '24
For TU/e students in the Master-programme of Mechanical Engineering, this course can be recognized as free elective					
Tissue Engineering and Regenerative Medicine: Fundamentals and Applications	TUM	MSc	5	Hybrid	25 Oct '23 – 7 Feb '24
For TU/e students in the Master-programme of Mechanical Engineering, this course can be recognized as free elective					
Advanced seminar on Safe Cyber-Physical Systems	TUM	MSc	5	Hybrid	18 Oct '23 – 7 Feb '24
For TU/e students in the Master-programme of Mechanical Engineering, this course can be recognized as free elective					

Additional Mechanical Engineering courses

The following table lists additional Mechanical Engineering courses at EuroTeQ partners that do not have pre-recognition, but that can be followed as an extra-curricular course in your program.

Course title	Offered by	Level	ECTS	Teaching format	Teaching period
Numerical Methods in Fluid Mechanics	L'X	MSc	5	Online, time-independent	18 Sep '23 – 30 Nov '23
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Numerical Methods for Solid Mechanics	L'X	MSc, PhD	5	Online, time-independent	18 Sep '23 – 30 Nov '23
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Dynamics of Robots and Machines	TalTech	MSc	6	Hybrid	4 Sep '23 – 22 Dec '23
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Machine Vision	TalTech	MSc	6	Blended	4 Sep '23 – 22 Dec '23
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Medical Technology 1 – an organ system-based approach	TUM	MSc	5	Hybrid	23 Oct '23 – 6 Feb '24
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Medical Technology 2 – an organ system-based approach	TUM	MSc	5	Hybrid	Summer term
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Machine Elements	TUM	BSc	3	Online, time-independent	Summer term
For TU/e students in the Bachelor-programme of Mechanical Engineering this course counts as extra-curricular course only					
Multidisciplinary Design Optimization	TUM	MSc	5	Hybrid	19 Apr '24 – 2 Aug '24
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Tribology Matters – Scientific Analysis of Technologies for Sustainable Drivetrains	TUM	BSc, MSc, PhD	3	Online, at specific time	15 April '24 – 19 Jul '24
For TU/e students in the Bachelor- and Master-programme of Mechanical Engineering this course counts as extra-curricular course only					

Course title	Offered by	Level	ECTS	Teaching format	Teaching period
Fluid Dynamics	CTU	BSc	5	Online, at specific time	25 Sep ‘23 – 14 Jan ‘24
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Mechanical and Hydraulical Transmissions	CTU	MSc	6	Blended	25 Sep ‘23 – 14 Jan ‘24
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					
Quality	CTU	BSc, MSc	3	Blended	19 Feb ’24 – 26 May ‘24
For TU/e students in the Master-programme of Mechanical Engineering this course counts as extra-curricular course only					

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 (l'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