

APPLIED MECHANICAL ENGINEERING

BIOMECHANICAL, INDUSTRIAL, ELECTRICAL AND MECHANICAL ENGINEERING
AN ENGLISH-LANGUAGE ACADEMIC PROGRAMME

AT ENIM

The National Engineering School of Metz is a public university which, since 1962, has been shaping qualified engineers in the fields of mechanical, material and industrial engineering, with teaching based on a pragmatic and practical approach.

ENIM is an international school :

- Every student spends at least one semester abroad
- More than 100 mobility agreements with universities around the world
- More than 100 internships worldwide

ENIM lecturers and researchers are members of four laboratories recognised for research areas ranging from mechanics of materials and the study of production systems, to industrial engineering and the optimisation of complex systems : LEM3, LGIPM, LCOMS, LCFC

CONTENTS AND ADMISSION REQUIREMENTS

During one or two semester/s, the students can choose amongst lectures in biomechanics, industrial engineering, energetics, electrical and material sciences. Both semesters are worth up to 30 ECTS each.

This programme is intended for International students with at least 180 ECTS at undergraduate level in Mechanical and Industrial Engineering.

4000
PEOPLE
WORK AT THE
TECHNOPÔLE
CAMPUS

5000
STUDENTS
ARE LIVING
IN THE
TECHNOPÔLE
CAMPUS

A SCHOOL IN HEART OF EUROPE



AT THE CROSSROADS OF FRANCE, GERMANY, BELGIUM AND LUXEMBOURG

- 82 min from Paris by TGV
- 2h55 from Frankfurt by car
- 3h10 from Brussels by car

FEEDBACKS

CESAR ALBERTO MADOMINGO ALONSO
INTERNATIONAL STUDENT
ACADEMICAL YEAR 2017-2018

« I learnt a lot in the courses that I probably wouldn't have in my home university. This is probably one of the most important experiences in all my life, I improved as engineer as well as in my personal knowledge. The best was about the social integration with the ENIM students, it was really good. »

MARTA SZCZETYSKA
INTERNATIONAL STUDENT
ACADEMICAL YEAR 2018-2019

« It was very interesting to participate in lectures in English, I definitely developed my language skills and also deepened my knowledge of mechanics, especially biomechanics. I think I became more persistent and resistant to adversity. Certainly this mobility shaped my character, I became even more resourceful and confident. »

MARTIN BOILLAT
ENIM STUDENT BIOCAD/MASTER BIOMECHANICS
ACADEMICAL YEAR 2018-2019

« English lectures are a huge advantage for french students seeking international experiences. Working together with international lecturers and students is very attractive regarding cultural and technical exchanges. Open minded, international and technically advanced are keywords of actual engineers. International students come follow this training with us, you will no regret. »



APPLIED MECHANICAL ENGINEERING

COURSE TITLE	ECTS CREDITS	EDUCATION LEVEL	COURSE CODE
Semestre 1			
Patient-specific FE modeling	6	Master 2 (2nd year Master)	9WUCGM04
Adaptive behaviour and multiscale modeling	3	Master 2	9WUCGM03
Mechanical behaviour of biological tissues	3	Master 2	9WUCGM02
Human Motion Analysis	4	Master 2	9WUCGM06
Transversal Project	5	Master 2	9WUCGM05
Biomimetics	4	Master 2	9WUCGM01
Design and manufacturing of personalized devices	2	Master 2	9WECEGM13
CAD project	4	Master 2	9WECEGM14
Review of litterature	4	Master 2	9WECEGM17
Basic medical knowledge	5	Master 2	9WUCGM01
Integrated Logistics Support in Systems Engineering	3	Master 2	9KEL1M98
Modeling, analysis and control of manufacturing systems based on Petri Nets	1	Master 2	9KEL1M0F
Computational Fluid Dynamics	3,5	Master 2	9KEL1M21
How To Read Automotive Electrical Wiring Diagrams	1	Master 2	9KML1M51
Electrical Energy Transport	2	Master 2	9KEL1M27
Semestre 2			
Thermics	2	Bachelor 3 (3rd year Bachelor)	6KEL1M03
Project management : tools and technics	1	Bachelor 3	6KEL1M14
Materials and Surfaces	2	Bachelor 3	6KEL1M10
Energetics	3	Master 1 (1st year Master)	8KEL1M04
Sustainable Development	1	Master 1	8KEL1M29
Technology of internal combustion engines	3	Master 1	8KEL1M20

PARTNERSHIP



CONTACT & REGISTRATION

Registration from February to March

Contact

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