COURSE LIST

HOST UNIVERSITY	**University of Technology of Troyes**
SEMESTER IN THE DEGREE PROGRAMME	**All**
CLUSTER PROGRAMME	**All**
SEASON	**All**
TEACHING LANGUAGE	**All**
DOCUMENT CREATED ON	**19/11/2026**

162 course(s) · 972.0 ECTS in total

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
LO13	3D computer graphics : theory and applications	Français	Spring	6.0
IC01	Advanced materials and Manufacturing processes	English	Fall	4.0
RE14	Advanced organizations networks	Français	Fall	6.0
MIC09	Agile Projects and SAFe	Français	Spring	3.0
MT03A	Algebra 2 (EN)	English	Fall	6.0
MT03	Algebra 2 (FR)	Français	Fall, Spring	6.0
MT02	Algebra and analysis	Français	Fall, Spring	6.0
NF04	Algorithm	Français	Fall, Spring	6.0
MT01	Analysis 1	Français	Fall, Spring	6.0
MT04A	Analysis 2 (EN)	English	Spring	6.0
MT04	Analysis 2 (FR)	Français	Fall, Spring	6.0
SY14	Analysis and dynamics of systems	Français	Fall	6.0
IF31	Analyze and design the platforms of the collaborative economy	Français	Spring	6.0
LO12	Artificial Intelligence and its applications	Français	Spring	6.0
EA01	Automatic and feedback control	Français	Spring	6.0
SY12	Automation and industrial control	Français	Fall	6.0
EN01	Basic elements in analog electronics	Français	Fall, Spring	6.0
SY06	Basic principles of signal analysis and processing	English, Français	Fall	6.0

CODE	COURSE (LINK TO ITS DESCRIPTION)	TEACHING LANGUAGES	SEASONS	ECTS
RM01	Basis for operational safety	Français	Spring	6.0
MIC05	Building Information Modeling (micro-certification)	Français	Fall	3.0
LO17	Cloud architectures and virtualization	Français	Spring	6.0
IF06A	Computer Supported Cooperative Work	English	Fall	6.0
NF14	Computer-aided management of industrial systems	Français	Spring	6.0
NF02A	Computers and Networks Organisation	English	Fall	6.0
NF16	Conceive and manipulate databases	Français	Fall	6.0
IF09	Conceiving a documentary system	—	Fall	6.0
IF02A	Conducting Object-Oriented System Analysis and Design	English	Fall	6.0
MQ02	Continuum solid mechanics	Français	Spring	6.0
TN15	Conventional manufacturing technics	Français	Fall	6.0
GS15	Cryptology and electronic signature	Français	Fall	6.0
IF29	Data Analytics	Français	Spring	6.0
IF27	Data and service security	Français	Spring	6.0
IF28	Data mining and knowledge	Français	Fall	6.0
NF21	Data project design for innovation	Français	Fall	6.0
MT15	Data Valuation for the Engineer	Français	Spring	6.0
IF36	Data visualisation	Français	Spring	6.0
IF17	Decisional architecture	Français	Fall	6.0
CL04	Design and management of supply chain Customer-supplier coordination	Français	Spring	6.0
IF02	Design and Modelling of information systems	Français	Spring	6.0
CS21	Design of mechanical systems within a framework of sustainable development	Français	Spring	6.0
NF19	Digital infrastructure fondamentals	Français	Fall	6.0
MQ03	Dynamics and vibration of mechanical systems	Français	Fall	6.0
EV12	Ecodesign, clean Technologies, and recycling	Français	Spring	6.0
EA07	Electrical actuator	Français	Fall	6.0
EN06	Electronic components, systems, sensors and instrumentation	Français	Spring	6.0

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RP01	Engineering Problem Solving	Français	Spring	6.0
FQ03	Experimental plans	Français	Spring	6.0
RM02	Feedback data analysis	Français	Fall	6.0
PHY03	Fields, Waves, Vibrations, Propagations	Français	Fall	6.0
ST10	Final project/Master Thesis	Français	Fall, Spring	30.0
MQ06	Finite elements modelling	Français	Spring	6.0
MQ07	Fluid mechanics	Français	Fall	6.0
GL02	Fondamentals of software engineering	Français	Fall	6.0
GP27	Forecasting methods and inventory control	Français	Fall	6.0
SFB1	French as a Foreign Language intensive class (European level B1)	Français	Fall, Spring	4.0
SFB2	French as a foreign language intensive class (European level B2)	Français	Fall, Spring	4.0
MIC06	Implementation of Interoperability in the PLM Domain (Micro-Certification)	Français	Spring	3.0
EA08	Implementation of mechatronic systems	Français	Spring	6.0
GP28	Industrial excellence	Français	Fall	6.0
SY20	Industrial intelligence (MES/SAP tools)	Français	Spring	6.0
TS02	Industrial risks management	Français	Fall	6.0
SY15	Industrial systems simulation	Français	Spring	6.0
TN78	Industrialization and advanced manufacturing technologies	Français	Spring	6.0
CS22	Industrialization of mechanical systems	Français	Fall	6.0
SY40	Industry 4.0: industrial transition and optimization of time-based competition	English, Français	Fall	6.0
IF34	Information System Technologies	Français	Spring	6.0
MIC08	Information Systems Architecture for BIM	Français	Spring	3.0
IF22	Information Systems Management	—	Spring	6.0
IF03	Information systems security	Français	Spring	6.0
IF01	Information Theory and Coding	Français	Fall	6.0
RE02	Information Transmission	Français	Spring	6.0

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CL07	Integrated logistics support and customer services	English, Français	Fall	6.0
RM04	Intelligent maintenance	Français	Spring	6.0
CL01	International trade and logistics	Français	Spring	6.0
RE04	Internet Networks	Français	Spring	6.0
ST09	Internship in a Company with Final Presentation	Français	Fall, Spring	30.0
MIC01	Introduction to CATIA automation (micro-certification)	Français	Fall	3.0
TN14	Introduction to computer-aided design	Français	Fall	6.0
TN14A	Introduction to computer-aided design (EN)	English	Spring	6.0
GP30	Introduction to econometrics and pricing	English, Français	Spring	6.0
LO11	Introduction to Internet of things	Français	Spring	6.0
MIC07	Introduction to IT Project Management (Micro-Certification)	Français	Spring	3.0
SD10	Introduction to literature search	English, Français	Fall	2.0
TNEV	Introduction to management and realisation of an mechatronic project	Français	Fall, Spring	6.0
TN08	Introduction to materials processing	Français	Spring	6.0
TN12	Introduction to mechanical systems design	Français	Fall	6.0
MQ01	Introduction to mechanics of materials and structures	Français	Fall	6.0
TN01	Introduction to the definition and manufacturing of a technical object	Français	Fall, Spring	6.0
IF15	Knowledge Engineering	English, Français	Fall	6.0
LFB1	Level B1 French - level B1, oral and written	Français	Fall, Spring	4.0
LFB2	Level B2 French - B2 level, oral and written	Français	Fall, Spring	4.0
LFC1	Level C1 French - C1 level, oral and written	Français	Fall, Spring	4.0
CL03	Logistics of transportation and distribution	Français	Spring	6.0
EG23	Man/machine interface and ergonomics	Français	Spring	6.0
TN04	Management and Implementation of an Engineering Project: Introduction	Français	Fall, Spring	6.0

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IF05	Managing software project	Français	Spring	6.0
MMPE	Material and Mechanical Project of Engineering	English, Français	Fall, Spring	6.0
MQ05	Material selection	Français	Fall	6.0
MQ21	Materials forming process and numerical simulation	Français	Fall	6.0
EV11	Materials lifecycle management	Français	Fall	6.0
MT12	Mathematical Tools for Engineers	Français	Fall	6.0
PHYS02	Mechanics	Français	Fall	6.0
PHYS02A	Mechanics of rigid bodies (EN)	English	Spring	6.0
MQ09	Meshing and adaptation methods	Français	Spring	6.0
RE13	Mobile and Wireless Network	Français	Fall	6.0
RE21	Mobile technologies: ergonomics and uses	Français	Spring	6.0
IC03	Modeling and optimization of structures and processes	English	Fall	4.0
SY18	Modeling and performance evaluation tools	Français	Spring	6.0
MOD1	Modeling for PLM (Product Lifecycle Management) Careers	Français	Fall	6.0
SM06	Modeling of Coupled Thermomechanical Phenomena	Français	Fall	6.0
IF14	Modelling of an organization and its trades	Français	Fall	6.0
RM03	Monitoring and prognosis - PHM tools	Français	Spring	6.0
RE23	Network management and control	Français	Spring	6.0
RE16	Network security	Français	Fall	6.0
RE12	Network services	Français	Spring	6.0
MT13	Numerical methods for engineer	Français	Fall	6.0
LO14	Operating Systems administration	Français	Fall	6.0
MT14	Operations Research	English, Français	Fall	6.0
RE20	Operator Networks	Français	Spring	6.0
IF19	Organisational diagnostic	Français	Fall	6.0
GP06	Organization and management of production	Français	Fall	6.0

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LO10	Oriented Services architectures	Français	Spring	6.0
MS11	Physical measurement and instrumentation	Français	Fall, Spring	6.0
PHYS11	Point mechanics	Français	Fall, Spring	6.0
IF23	Position determination technology (Geolocalization indoor and outdoor)	Français	Spring	6.0
NF06	Practice of programming	Français	Fall	6.0
NF06A	Practice of programming (EN)	English, Français	Spring	6.0
LO02A	Principles and practice in object-oriented programming	English	Fall	6.0
LO02	Principles of, and practice in object-oriented programming	Français	Fall	6.0
MIC02	Product as a service Lifecycle Management (micro-certification)	Français	Fall	3.0
GP17	Production planning and scheduling	English	Spring	6.0
SY17	Production systems design	Français	Fall	6.0
IF08	Project Management	Français	Spring	6.0
MQ04	Properties of materials	Français	Spring	6.0
IC02	Residual stress engineering	English	Fall	4.0
IF37	Responsible conception of interated systems	Français	Spring	6.0
SC04	SC04 : Communication, persuasion and social influence	Français	Fall	4.0
IF26	Secure Mobile application design	Français	Fall	6.0
SY16	Signal and images digital processing	Français	Spring	6.0
FQ01A	Statistical process control and quality assurance	English, Français	Fall	6.0
SY02A	Statistics for the engineer	English, Français	Fall	6.0
MQ16	Structure dimensionning by a mixed numerical / experimental approach	Français	Fall	6.0
CM03	Structure, properties and reactivity of metallic solids	Français	Spring	6.0
PETM	Student Projects – MIND Pedagogy	English, Français	Fall, Spring	4.0

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TN20	Study and dimensionning of mechanical systems	Français	Spring	6.0
TS01	Systems security	Français	Spring	6.0
TN02	Technology and introduction to mechanical design	Français	Fall	6.0
PHYS04	Thermic, energitic and thermodynamic machines	Français	Spring	6.0
MQ13	Thermics and machine thermodynamics	Français	Spring	6.0
SY05	Tools for decision-making strategy	Français	Spring	6.0
SY04	Tools for network modeling	Français	Fall	6.0
IF20	Trade process modelling	—	Fall	6.0
EN08	Transformation and utilisation of electric energy	English, Français	Fall	6.0
MIC04	Transformation of Industries and Services through Digitalization (Micro-Certification)	Français	Fall	3.0
RE06A	Unified Communications	English	Fall	6.0
CL10	Urban logistics and mobility	Français	Fall	6.0
IF10	Usage centred conception	Français	Fall	6.0
CS01	Value analysis under extreme constraints	Français	Spring	6.0
CS01A	Value Analysis under extreme constraints (EN)	English	Fall	6.0
CL02	Warehouse organization and management	Français	Fall	6.0
LO07	Web Technologies	Français	Spring	6.0
SY22	Wireless Systems	Français	Spring	6.0
	Total			**972.0**