



utt

université de technologie  
Troyes

Go for  
high-tech  
education  
in France!

UNDERGRADUATE AND  
GRADUATE ENGINEERING  
PROGRAMS

MASTER OF SCIENCE, IN  
HEALTH & TECHNOLOGIES

DOCTORATE SCHOOL

RESEARCH

TRANSFER OF TECHNOLOGY

2016

[www.utt.fr](http://www.utt.fr)

# Université de technologie de Troyes

*Located in Troyes in the Champagne county, the UTT is a top engineering university with fast growing development in 20 years. It is today one of the 10 largest "Grandes Écoles" in France with over 2,500 students from undergraduate to doctoral study programs and is among the top 5 engineering schools for international development.*

## Our strengths:

- ▶ More than 140 international partner universities;
- ▶ High quality services for international students;
- ▶ 5 engineering programs;
- ▶ Wide choice of courses at undergraduate and graduate level;
- ▶ Several courses available in English;
- ▶ Strong ties with the industry;
- ▶ Access to cutting-edge research.

### Fall semester:

beginning of September to mid-January

### Spring semester:

mid-February to end of June



| Course code | Course title                                                                                   | Engineering programs: |            |            |                     |          | Master's program:           |                                                           | Fall | Spring | ECTS | Details                                                                               |
|-------------|------------------------------------------------------------------------------------------------|-----------------------|------------|------------|---------------------|----------|-----------------------------|-----------------------------------------------------------|------|--------|------|---------------------------------------------------------------------------------------|
|             | <i>Please note that some classes are subject to a sufficient number of registered students</i> | Materials             | Mechanical | Industrial | Information systems | Networks | Optics and Nanotechnologies | Management of the environment and sustainable development |      |        |      | Course taught partly in English and partly in French or completely in English:        |
| AC          | Personal study project                                                                         | ✓                     | ✓          | ✓          | ✓                   | ✓        | ✓                           | ✓                                                         | ✓    | ✓      | 6    |    |
| CL04        | Design and management of logistical chains: coordination of client-provider relations          |                       |            | ✓          |                     |          |                             |                                                           |      | ✓      | 6    |    |
| CS01        | Value analysis and Functional Analysis                                                         |                       | ✓          | ✓          |                     |          |                             | ✓                                                         |      | ✓      | 6    |    |
| CS03        | Project management                                                                             | ✓                     | ✓          | ✓          |                     | ✓        | ✓                           |                                                           | ✓    | ✓      | 6    |    |
| EV00        | Prospective and philosophy of the environment                                                  | ✓                     | ✓          | ✓          | ✓                   | ✓        |                             | ✓                                                         | ✓    | ✓      | 4    |    |
| EV02        | Environmental economics                                                                        | ✓                     | ✓          | ✓          | ✓                   | ✓        | ✓                           | ✓                                                         |      | ✓      | 4    |    |
| EV04        | Environmental risks: management and controversies                                              | ✓                     | ✓          | ✓          | ✓                   | ✓        |                             | ✓                                                         | ✓    | ✓      | 4    |    |
| FQ05        | Statistics and probability for operational security and feedback                               |                       |            | ✓          |                     |          |                             |                                                           | ✓    |        | 6    |    |
| GE44        | Multicultural approach of business and management                                              | ✓                     | ✓          | ✓          | ✓                   | ✓        | ✓                           |                                                           | ✓    | ✓      | 4    |    |
| GL02        | Programming engineering foundations                                                            |                       |            |            | ✓                   |          |                             |                                                           | ✓    |        | 6    |    |
| GP17        | Planning and sequencing of production                                                          |                       | ✓          |            |                     |          |                             |                                                           |      | ✓      | 6    |    |
| IFA2        | Modelling for Information Systems analysis and design                                          |                       | ✓          |            | ✓                   |          |                             |                                                           |      | ✓      | 6    |    |
| IFA6        | Computer Supported Collaborative Work (for non-French speakers)                                |                       |            |            | ✓                   |          |                             |                                                           | ✓    |        | 6    |    |
| IF08        | Software Project Management                                                                    |                       |            |            | ✓                   |          |                             |                                                           |      | ✓      | 6    |    |
| IF15        | Knowledge engineering                                                                          |                       |            |            | ✓                   |          |                             |                                                           | ✓    |        | 6    |    |
| IF24        | Integrated management programs, SAPs                                                           |                       |            |            | ✓                   |          |                             |                                                           |      | ✓      | 6    |    |
| LE18        | World Heritage                                                                                 | ✓                     | ✓          | ✓          | ✓                   | ✓        | ✓                           |                                                           |      | ✓      | 4    |   |
| LO13        | 3D computer graphics: theory and applications                                                  |                       | ✓          |            |                     |          |                             |                                                           |      | ✓      | 6    |  |
| LO15        | Product lifecycle management and collaborative engineering                                     |                       | ✓          |            |                     |          |                             |                                                           | ✓    |        | 6    |  |
| LX00        | Bilingual tandem                                                                               | ✓                     | ✓          | ✓          | ✓                   | ✓        | ✓                           |                                                           | ✓    | ✓      | 4    |  |
| MA20        | Materials analysis and microscopic characteristics                                             | ✓                     |            |            |                     |          | ✓                           |                                                           |      | ✓      | 6    |  |
| MA21        | Materials analysis and macroscopic characteristics                                             | ✓                     |            |            |                     |          | ✓                           |                                                           |      | ✓      | 6    |  |
| MATH02      | Mathematic tools for the engineer                                                              | ✓                     | ✓          | ✓          | ✓                   | ✓        |                             |                                                           | ✓    | ✓      | 6    |  |
| MA04        | Materials chemistry                                                                            | ✓                     |            |            |                     |          |                             |                                                           |      | ✓      | 6    |  |
| ME05        | Material Flow Analysis                                                                         | ✓                     |            |            |                     |          |                             | ✓                                                         | ✓    |        | 4    |  |
| MO12        | Near field optics: theoretical and technological aspects                                       |                       |            |            |                     |          | ✓                           |                                                           | ✓    |        | 4    |  |
| MO13        | Optical spectroscopy                                                                           |                       |            |            |                     |          | ✓                           |                                                           | ✓    |        | 4    |  |
| MO23        | Numerical and mathematical methods in optics                                                   |                       |            |            |                     |          | ✓                           |                                                           | ✓    |        | 4    |  |
| MQ01        | Strength of Materials                                                                          |                       | ✓          |            |                     |          |                             |                                                           | ✓    |        | 6    |  |
| MQ03        | Dynamics and vibrations of mechanical systems                                                  |                       | ✓          |            |                     |          |                             |                                                           | ✓    |        | 6    |  |
| MQ06        | Modeling structures using finite elements                                                      |                       | ✓          |            |                     |          |                             |                                                           |      | ✓      | 6    |  |
| MT14        | Operational research                                                                           |                       |            | ✓          |                     |          |                             |                                                           |      | ✓      | 6    |  |
| NF18        | PLM interoperability, services and virtualization oriented architectures                       |                       | ✓          |            |                     |          |                             |                                                           |      | ✓      | 6    |  |
| NT01        | Nanotechnologies and the industry                                                              |                       |            |            |                     |          | ✓                           |                                                           | ✓    |        | 4    |  |
| OP01        | Optic and optoelectronic materials                                                             | ✓                     |            |            |                     |          | ✓                           |                                                           | ✓    |        | 6    |  |
| OS11        | Algorithmics & models for logistics & transportation                                           |                       |            | ✓          |                     |          |                             |                                                           | ✓    |        | 6    |  |
| RE1A        | Corporate networks                                                                             |                       |            |            |                     | ✓        |                             |                                                           | ✓    |        | 6    |  |
| RE04        | Internet networks                                                                              |                       |            |            | ✓                   | ✓        |                             |                                                           |      | ✓      | 6    |  |
| RE12        | Networks services                                                                              |                       |            |            |                     | ✓        |                             |                                                           |      | ✓      | 6    |  |
| RE13        | Wireless and mobile networks                                                                   |                       |            |            |                     | ✓        |                             |                                                           | ✓    |        | 6    |  |
| SY13        | Automatic control of industrial systems                                                        |                       |            | ✓          |                     |          |                             |                                                           |      | ✓      | 6    |  |
| SY15        | Industrial systems mock-up                                                                     |                       |            | ✓          |                     |          |                             |                                                           |      | ✓      | 6    |  |
| SY17        | Preliminary design of production systems                                                       |                       |            | ✓          |                     |          |                             |                                                           | ✓    |        | 6    |  |
| TN12        | Research departement elements                                                                  |                       | ✓          |            |                     |          |                             |                                                           |      | ✓      | 6    |  |
| TN14        | Initiation into CAD: geometric modeling                                                        | ✓                     | ✓          |            |                     |          |                             |                                                           | ✓    |        | 6    |  |
| TN16        | Concurrent engineering and CAD/CAM support                                                     |                       | ✓          |            |                     |          |                             |                                                           |      | ✓      | 6    |  |
| TX          | Laboratory project                                                                             | ✓                     | ✓          | ✓          | ✓                   | ✓        | ✓                           |                                                           | ✓    | ✓      | 6    |  |



*Want to have an introduction  
to French language and French culture  
or want to improve your level in a multicultural  
atmosphere before the semester starts?*

# 4-week Intensive course in August or February FREE OF CHARGE !\*

Get 10 ECTS credits in 4 weeks:

French as a Foreign Language (4 ECTS credits),  
cross-disciplinary course (6 ECTS credits) taught in English\*\*.

And get to know more about the UTT, Troyes and the  
Champagne region with the different visits and activities  
(Troyes and Paris, weekend at the lake in August,  
champagne cellar...)

\* Course tuition fee waived for students coming from partner  
universities and depending on exchange balance

Accommodation, transportation food, activities and  
personal expenses to be paid by the student

\*\* Course title and contents available upon request



## Interested?

**Contact us:**

**[incoming@utt.fr](mailto:incoming@utt.fr)**

## Contact information:

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