

An intensive 2 year course leading to a National University Institute of Technology Graduate Diploma
DUT : Diplôme Universitaire de Technologie : 120 ECTS credits

COURSE CHARACTERISTICS

- hours = 1800 hours over 2 years
- minimum 10-week internship and research project
- 120 H tutored project(s)

A CAREER ORIENTED DIPLOMA

- ✓ **an industrial oriented pedagogy** : strong links between education and industry : staff composed of both academics and professionals

STRESS PUT ON FOREIGN LANGUAGES

- ✓ compulsory foreign language: English
- ✓ optional foreign languages : German, Spanish, Italian, Russian, Chinese
- ✓ preparation to the TOEIC test
- ✓ a number of classes with a language Assistant
- ✓ 4 language labs + 3 specific multimedia classrooms equipped for language learning

ASSESSMENT

Continuous assessment + a week dedicated to class exams each semester / year

INTERNATIONAL DIMENSION

- ✓ Possibility of doing the 3rd or 4th semester abroad (Canada or Russia)
- ✓ Possibility of placements abroad
- ✓ postgraduate International Diploma open to DUT holders :
DUETI Diplôme Universitaire d'Etudes Technologiques Internationales
- ✓ partnerships with Britain, Canada, Germany, Spain, Italy, Sweden, Norway, Denmark, Finland

COURSE GOALS

After completing their studies, graduates are able to:

- Participate in the development of a company
- Play an inter-active part in the setting-up of company policy
- Meet technical, economical, quality and safety requirements needed in a competing economy
- Have the ability to deal with situations requiring both autonomy and responsibility

CONTACT

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COHORT

1st year: 84 students (3 groups of 28 students each)
2nd year: 52 students (2 groups of 26 students each)

ADMISSION REQUIREMENTS

- 4 steps
- 1 - A formal entrance qualification: the Baccalauréat equivalent to A-Levels or a University entrance examination
 - 2 - Assessment of academic results over the last two years taken into account.
Main subjects required: French, English, Maths, Physics, and Technology
 - 3 - Selection process
 - 4- Interview by members of the staff

CAREER PROSPECTS

Main areas

Industrial or commercial companies (banks, telecoms, etc...), any firm in which electronics, electrotechnics and automation are used.

Scope of activities

Microelectronics, Electronics, Automated Systems, Programmable Automation, Research, Maintenance, Telecommunications, Electrical Equipment and Fittings, Instrumentation, Production and Transport of energy, Space and Aeronautics, Health, Farm Product Industry, Transport and car industries, etc...

REGISTRATION PROCEDURE

Deadlines for submitting applications:

1st semester and full year: May 20th

2nd semester: October 20th

COURSE CONTENT

lectures (*complete age-group*),
tutorials (*28 students per group*),
lab work and workshops (*14 students per group*)

ALL are COMPULSORY

*1800 hours of studies over 2 academic years divided into 4 semesters (S1-S2-S3-S4)
30 hours a week on average - monthly exams*

Core curriculum: The subjects are divided into 3 teaching units, from introduction to specialisation.

UE1: Components, systems and applications

- Energy (electricity / power systems)
- Digital information system (S1)
Automation (S2)
Continuous systems control (S3)
- Electronic systems (analogue and digital)
- Signal processing
- Computing /algorithms (S1)
- Embedded systems (S2)
- Networks (S3)
- Object-oriented programming (S3)

UE2: Innovation through technology and projects

- Software study
- Interdisciplinary technological realizations
- Personal project
- Tutored project
- Introduction to project management (S1)
- Professional project (S2)
- Monitoring (S3)

UE3: Science and personal development

- Mathematics
- English
- Physics – thermal and mechanical energy (S1)
Electromagnetism and sensors (S 2)
Electromagnetic compatibility (S3)
- Cultural education : Expression and communication skills

+ Optional foreign language: Spanish, German, Italian, Russian, Chinese
+ Sport (optional)

2nd year elective course - *the students may choose from:*

- Database
 - Renewable energies
 - Digital signal processing
 - Mathematics
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COMPULSORY « Tutored Project » - 120h

Semi-autonomous work as well as written dissertation and oral presentation

Vocational Unit (4th semester)

In-company training + industrial project (fully assessed to obtain the DUT)

Compulsory ten-week placement in French or a foreign company

Dual supervision by both an IUT and a professional Tutor

Written dissertation (including 1 page in English) + oral presentation

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