

MATERIALS SCIENCE and ENGINEERING



Key Words

Materials ; formulation, development and use ; mechanical, physical and chemical properties ; glass, polymers, ceramics, metals, composite materials ; sustainable development.

Objectives

The graduate engineer has wide-ranging expertise in the materials sector and is fully operational in the design, development, processing and use of materials.

Employment sectors

Research & development, quality control and production in companies which formulate or use materials.

Industrial Partnerships

Industrial partners are constantly involved in curriculum definition, in offering work placements, in defining industrial projects and presenting specialised lectures.

Industrial placements :

- third year (1 to 2 months)
- fourth year (2 to 3 months)
- fifth year (4 to 6 months)

Projects :

Throughout the three year programme : both in research laboratories and in industry.

These compulsory industrial placements and projects provide the students with the practical knowledge and know-how of the professional environment, as they put the students in real life technical situations.

They are carried out in regional, national and international industries and are directly linked to the potential job market.

Research Partnerships

Students are taught by academics and lecturers who also carry out research activities in the laboratories of the University of Science (Montpellier 2), in collaboration with other national research institutes. Some of these research activities are carried out in collaboration with companies through industrial contracts or national or European projects.

Consequently, students are taught advanced state of the art industrial technology. They may work directly in Research and Development Departments or enrol in PhD studies in the following fields :

- Materials Science
- Mechanics
- Chemical physics

The Department has developed privileged relationships with regional and national technology transfer centres.

Academic Partnerships

Polytech Montpellier – UM2, France, has well-established agreements with several European and non-European universities. In particular, a double degree programme is available with the University of Cranfield, UK, or the Politecnico Instituto of Torino, Italy.

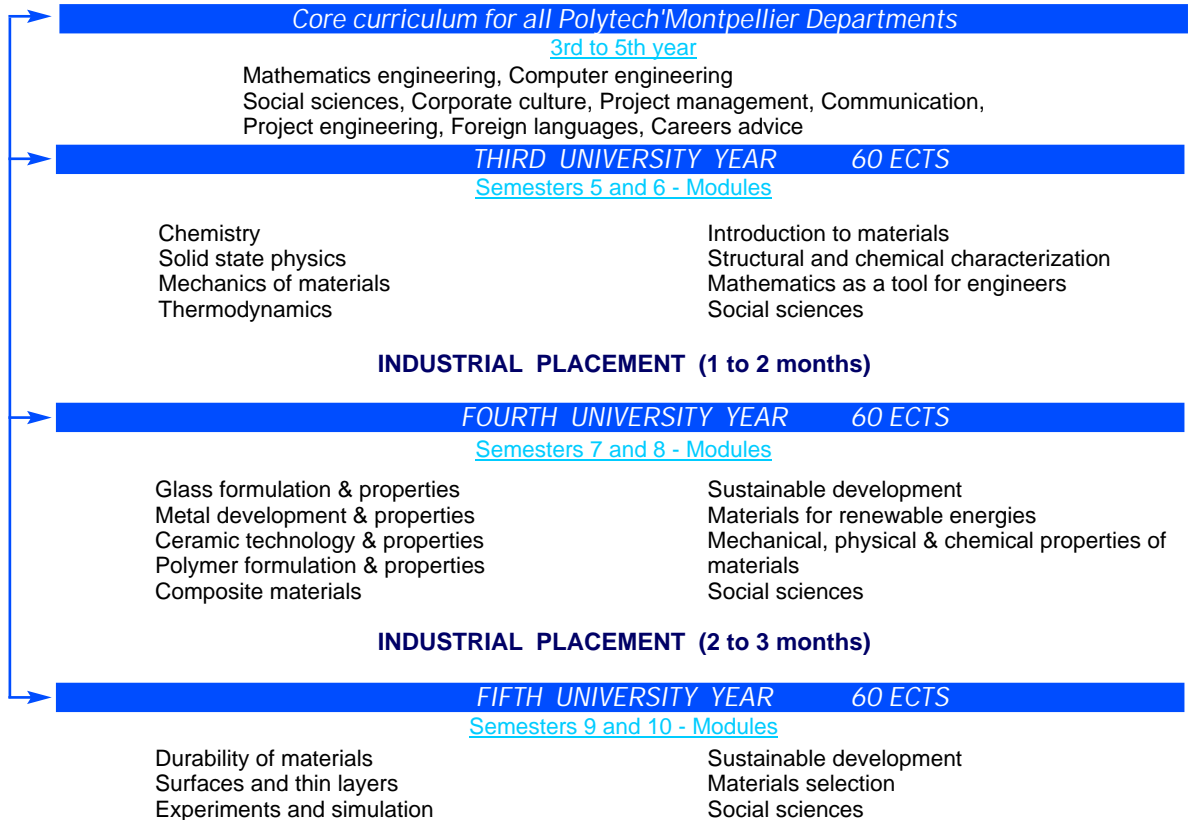


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It is also possible to specialise in one of our sister schools in the Polytech'network or in another engineering school in France or abroad.

INDUSTRIAL PLACEMENT (4 to 6 months)

POLYTECH' MONTPELLIER also offers to foreign students who don't speak French the chance to study in their MUNDUS PROGRAMME.

This is a special programme that enables foreign students who already have Master's level in their country of origin to come and spend a year learning intensive French and also specialised scientific subjects according to their choice of Speciality (Major). Upon successful completion of this year, they can join Years 4 and 5, and go on to obtain the prestigious French Engineering qualification.

For more details of this **MUNDUS PROGRAMME**, please contact us at the International Relations office : relint@polytech.univ-montp2.fr



CONFERENCE DES GRANDES ECOLES



POLYTECH' MONTPELLIER