Our lecturers, who come from the world of research and business, are experts in teaching advanced technologies. In addition, our students benefit from a work placement (or exchange) abroad: at least 12 weeks for students and 8 for apprentices.

**AREAS OF TRAINING**
- Materials for mechanical structures (metals and alloys), metallurgy.
- Shaping, assembly and durability of structures.
- Computer aided design, finite element modelling.
- Polymers and composites.
- Materials for energy (nuclear, hydrogen) and sustainable development.
- Materials for photovoltaics and nanotechnology.

**AREAS OF APPLICATION**
- Mechanical behaviour of materials.
- Materials for energy.
- Finite element simulation.
- Composite materials and polymers.
- Sustainable development.
- Functional materials.

**SCHOOL’S FIGURES FOR INTEGRATION INTO THE WORKPLACE**

**GRADUATES’ OCCUPATIONS**
- Consultant engineer: 35%
- R&D engineer: 44.16%
- Industrial computing engineer: 10.04%
- Management information systems engineer: 10%

**AREAS OF ACTIVITY**
- Information technology (service): 20%
- Chemical, pharmaceutical, cosmetic industry: 7.9%
- Energy: 7.9%
- Construction: 6%
- Information technology industry: 15%
- Automotive, aeronautical, naval and railway industries: 34%

**PERCENTAGE EMPLOYED**
Since 2017, over 90% in employment within 6 months of graduating.

*From the 3-year average of the professional integration surveys.*
THE MAIN COURSES

Languages and communication
English, a second foreign language, theory and practice of communication.

Professional project and professional integration
Economics, strategy, marketing, project management, cost management, business games, law, sustainable development, entrepreneurship, business creation, human resources management, Innovation management.

Basic sciences
Analysis, probability, electromagnetic waves, engineering physics.

Computer Science
Databases, algorithms, C project, UML.

Structure of materials
Structure of matter, structure of polymers, electronic structure of matter, chemical bonding thermodynamics of materials.

Material mechanics

Technological and industrial challenges in materials science

Projects
3 large projects in the final year: ‘Engineer’s Minute’, ‘Materials Engineering’ and ‘No stress, the films are secure’.

THE ENGINEERING CYCLE TIMETABLE AT POLYTECH PARIS-SACLAY

Apprenticeship in 3 years and continued education in 2 years.

Students
Our students benefit from an international work placement (or exchange) with our partners (12 weeks for students and 8 for apprentices).

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