

Materials

Materials Engineering graduates from Polytech Grenoble are strong all-around materials engineers and scientists capable of understanding all materials present in our environment, from polymers and metals to ceramics and composite materials.



Our graduates possess solid general engineering skills

- A capacity to use resources from a broad range of basic sciences
- Knowledge and understanding of a specialty scientific and technical field
- Mastery of engineering tools and methods
- · An ability to work within an organization, manage a team, and implement change
- · Understanding of broader industrial, financial, and professional issues
- A capacity to work in international settings
- Respect for societal values

Recent graduates have secured

positions like:

R&D engineer

Quality-control engineer

Materials engineer

Design engineer

Manufacturing or production engineer

Process engineer

Sales engineer

Graduates have mastered specific competencies that prepare them to handle real-world professional situations:

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Competency	Situation
Using the appropriate methods of analysis to identify malfunctions and/or adapt to changing conditions	Correcting product failuresKeeping pace with changing marketsResponding to process drift
Using scientific experimentation and interpreting the results of an experiment to respond to a project's specifications	Characterizing or improving the implementation of changing materials, products, and processes
Coming up with new ideas to fuel innovation	 Designing new materials, products, and processes Promoting cross-disciplinary cooperation Keeping up to date with the state of the art Recommending innovative strategies and technological breakthroughs
Staying ahead of technological advances and keeping pace with a changing professional environment	• Coping with new professional environments (geographical location, topics, techniques) • Keeping pace with regulatory changes • Updating his/her knowledge
Coordinating human and technical resources	 Managing a team Setting up and managing international projects Staying ahead of trends (technical, ecological, geopolitical, and societal) Making decisions, choices, and recommendations
Demonstrating awareness and improving his/her interpersonal and written communication skills	 Promoting and explaining his/her work orally and in writing Gathering information, determining what is relevant, and sharing with others Raising others' awareness of work-related issues

In-company placements:

Third year: 8 weeks Fourth year: 12 weeks Fifth year: 22 weeks

Graduation project: for external customers

(companies or research labs)

A selection of companies that have hired Materials Engineering graduates

ARKEMA, BECTON DICKINSON, CEA, EDF, STMICROELECTRONICS, TEFAL, VALEO

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