

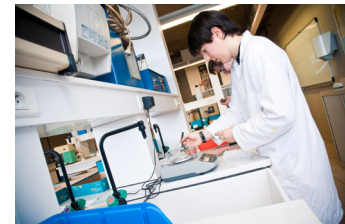
Materials Engineering graduates from Polytech Grenoble are strong all-around materials engineers and scientists capable of understanding all materials present in our environment, from polymers and metals to ceramics and composite materials.

Recent graduates have secured positions like:

- R&D engineer
- Quality-control engineer
- Materials engineer
- Design engineer
- Manufacturing or production engineer
- Process engineer
- Sales engineer

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



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

Competency	Situation
Using the appropriate methods of analysis to identify malfunctions and/or adapt to changing conditions	<ul style="list-style-type: none"> • Correcting product failures • Keeping pace with changing markets • Responding to process drift
Using scientific experimentation and interpreting the results of an experiment to respond to a project's specifications	<ul style="list-style-type: none"> • Characterizing or improving the implementation of changing materials, products, and processes
Coming up with new ideas to fuel innovation	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Coping with new professional environments (geographical location, topics, techniques) • Keeping pace with regulatory changes • Updating his/her knowledge
Coordinating human and technical resources	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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 – 12 weeks in June and July
- Fourth year: 12 weeks from May to August
- Fifth year: 22 weeks from April to September
- 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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