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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<th>Competency</th>
<th>Situation</th>
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| Using the appropriate methods of analysis to identify malfunctions and/or adapt to changing conditions | • 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 | • 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  |
| 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  |
| 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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