



ME6: ADVANCED MATERIALS AND MANUFACTURING

Track 6

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ME6: Skills you will acquire...

After graduating, you will have developed numerous **advanced technical skills**. For example, you will be able to:

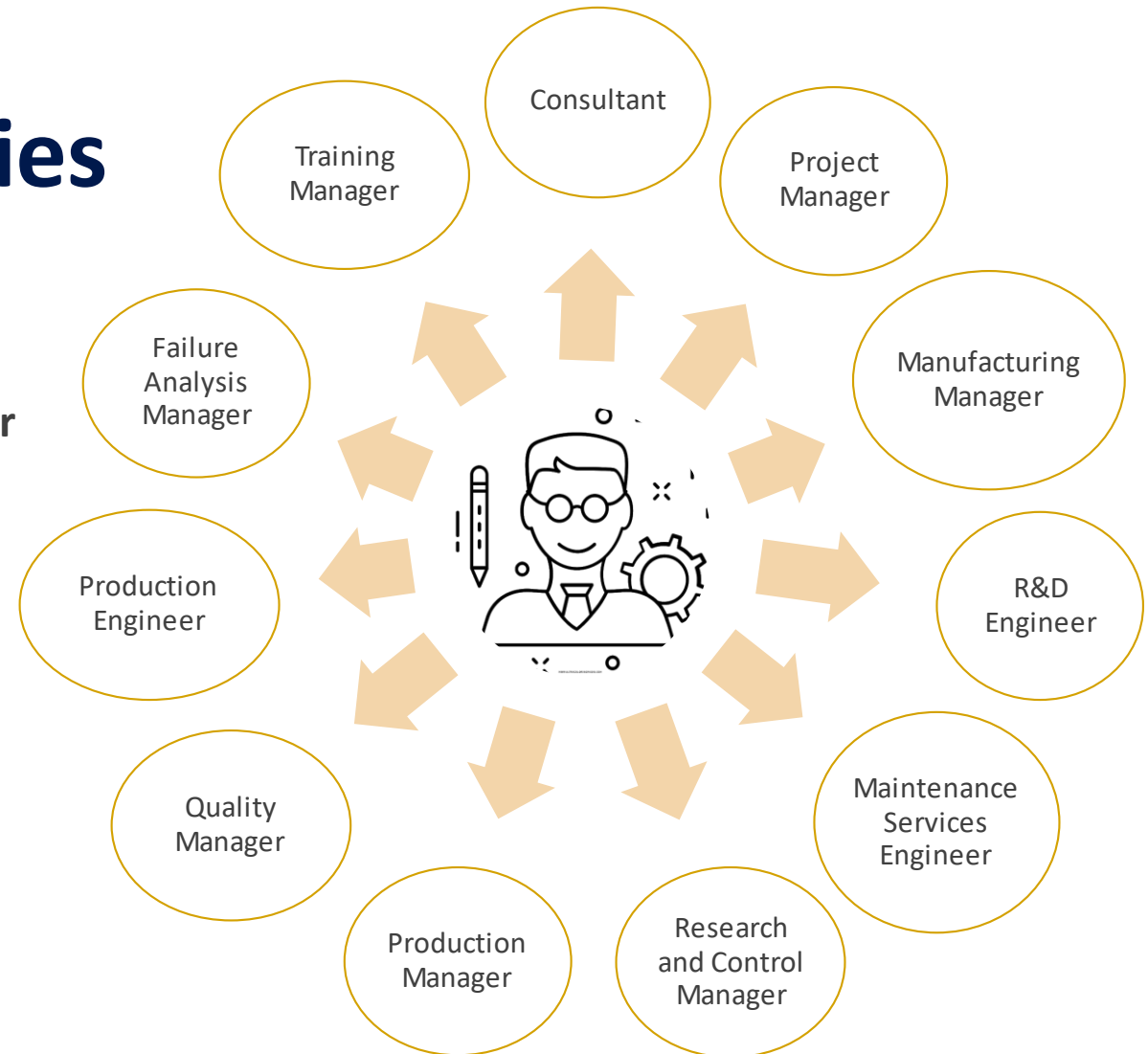
- **Combine product-material-process requirements;**
- **Define innovative material and manufacturing solutions;**
- **Design, execute and analyse experimental;**
- **Assess material and process quality;**
- **Use and develop advanced CAD/CAM systems.**



ME6: Career Opportunities

After graduating, you will be able to **pursue your career** (not only, but also) in:

- **R&D;**
- **Manufacturing;**
- **Business Services;**
- **Mechanics and Installation;**
- **Metallurgy and Metalworking.**



ME6: Track Mandatory and Elective Courses

38 ECTS

Track Mandatory
Courses
16 ECTS

Track Elective
Courses
22 ECTS

COURSE TITLE	SEM	ECTS
Materials Engineering and Environmental Impact	1	8
Design and Analysis of Experiments A	1	8
Track Elective Courses I		8
Advanced Manufacturing Process Lab A	1	8
Additive Manufacturing C	1	8
Track Elective Courses II		8
Innovation in Metallurgical Plants and Process A	1	8
Materiali per l'Energia B	1	8
Track Elective Courses III (2 out of 10 courses available)		6
...	1-2	6
...	1-2	6
Max. 1 course to be chosen from Group OPEN	1-2	6

For further information click here:

https://www8.ceda.polimi.it/manifesti/manifesti/controller/extra/RegolamentoPublic.do?jaf_currentWFID=main&EVN_DEFAULT=evento&aa=2020&k_corso_la=483&lang=EN

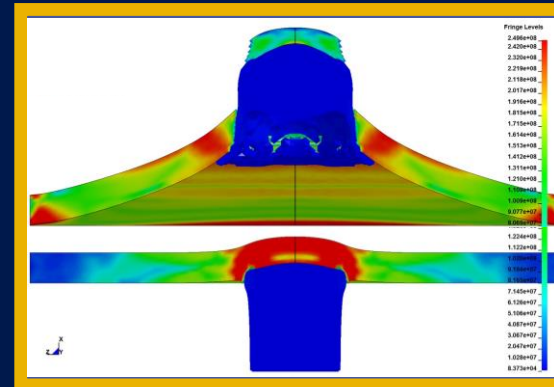
ME6: Examples of Master's Thesis



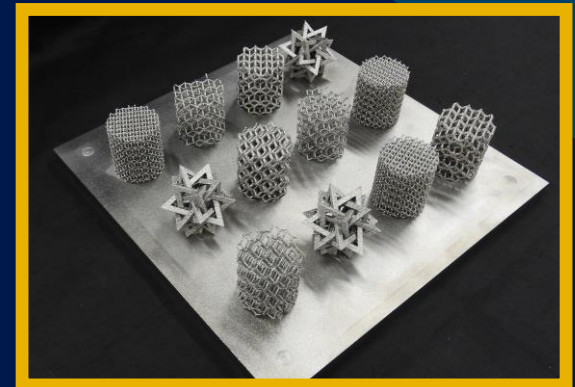
Design and
characterization of new
materials and alloys



Development of novel
manufacturing
processes



Terminal Ballistic and
Analysis of Gun Shot
Residues



Feasibility, optimization
and monitoring of AM
processes

ME6: Partners

Universities & Research Centres



Companies & Organisations

