

Course

Materials engineering



General content

| Subject | Credits |
|--|-----------|
| Introduction to home appliances sector | 0.2 |
| Application of home appliances | 4 |
| Smart home and conectivity | 1.6 |
| Regulations and standardization | 1.6 |
| Product and production engineering | 2.6 |
| Economical performance and costs | 0.8 |
| Innovation management | 0.4 |
| Intellectual property | 0.8 |
| | 12 |

Specific content

| Subject | Credits |
|--|-----------|
| Heat transfer and heat exchangers | 3 |
| Structure of materials | 3 |
| Characterization of materials | 3 |
| Selection and life-cycle of materials | 6 |
| Advanced materials | 3 |
| Advanced computer-aided design | 3 |
| Plastic part design | 3 |
| Design of metal components | 3 |
| Advanced manufacturing challenges and new technologies | 3 |
| | 30 |

Industrial internship **12**

Master's thesis **6**

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