master in
HTE home technology
ENGINEERING

Course

IT systems engineering

8

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
Lean and connected value streams management	3
IT systems in enterprise mgmt., SCM and production. Systems architecture and communications networks	3
Connected manufacturing automation	3
Data bases	3
Programming languages and industrial cyber-security	3
Industrial processes and technologies of home appliances manufacturing	6
Advanced manufacturing challenges and new technologies	3
Advanced factory technology and processes simulation	3
Data processing and analysis	3
	30

Industrial internship	**12**
Master's thesis in IT systems	**6**

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