

Curriculum

Master Class Industry 4.0

1st year of studies

1 st semester	ECTS
Basic Module Conception	5
Data Analytics & Information Architecture	3
Innovation & Creative Problem Solving	2
Masterclass Conception	10
Masterclass Introduction Industry 4.0	5
Masterclass Industry 4.0	5
Professional Field - Basics	5
Digital Business Transformation & Career Management	3
Leadership & Team Development	2
Software Engineering	5
Advanced Web Programming	2
Business Application Development	3
Information Technology	5
Electronics & Signal Processing	3
Digital Real-Time Communication Systems	2

2 nd semester	ECTS
Basic Module Prototyping	5
Summer School	5
Masterclass Prototyping	10
Masterclass Industry 4.0	10
Prototyping & Implementation	5
Prototyping & Implementation I4.0	5
Career Development in the Professional Field	10
Empirical Research Methods	2
Career Development in the Professional Field	3
Business Management Fundamentals*	2
Digital Technologies Fundamentals**	2
Artificial Intelligence, Computer Vision & Pattern Recognition	3

* for students with a technical background

** for students with a business background

2nd year of studies

3 rd semester	ECTS
Basic Module Exploitation I	5
Businessplanning & Entrepreneurship I	3
Law & IP Protection	2
Masterclass Exploitation	10
Masterclass Industry 4.0	10
Coaching & Consulting	5
Coaching & Consulting I4.0	5
Professional Field - Reflection	10
Expose Workshop	4
Presentation & Exploitation	3
Lecture Series Professional Field	3

4 th Semester	ECTS
Basic Module Exploitation II	5
Businessplanning & Entrepreneurship II	5
Masterclass - Dissemination	5
Masterclass Industry 4.0	5
Masterthesis	20
Masterthesis	18
Master Exam	2

Details and
information about
the masterclass

