

1st Year: Core Curriculum

Year 1, Sem 1: Sept to Feb (S5)

Title	coef	ECTS	Student hours
UE_551 - Chemistry 1	3	5	50
GENERAL CHEMISTRY	1		20
ORGANIC CHEMISTRY	1		30
UE_552 - Chemistry 2	3	5	62
CHROMATOGRAPHY ANALYSIS	1		15
SPECTROSCOPY ANALYSIS	1		15
PRACTICAL ANALYTICAL CHEMISTRY INSTRUMENTATION	2		32
UE_553 - Physics 1	3	5	65,5
FLUID MECHANICS 1	1		18
THERMODYNAMICS 1	1		19,5
MATERIAL RESISTANCE	1		28
UE_554 - Engineering Science 1	2	5	63
MATHEMATICAL TOOLS	1		20
IT AND DATA TREATMENT	1		23
NUMERICAL MATHEMATICAL METHODS	1		20
UE_555 - Engineer in a company 1	2	5	62
ECONOMICAL ENVIRONMENT, ENTERPRISES AND MARKETS	2		24
HEALTH AND SAFETY	1		12
ACCOUNTING MANAGEMENT	2		17
CONTRACT AND COMPANY RIGHTS	1		9
UE_556 - Engineer in a company 2	2	5	71
ENGLISH 1	1		31
COMMUNICATION	1		16
MICRO-PROJECT AND INTRODUCTION TO BIBLIOGRAPHY	2		24

Year 1, Sem 2: Feb to June (S6)

Title	coef	ECTS	Student Hours
UE_651 - Polymers Science 1	3	5	71,5
ANALYTICAL CHEMISTRY	2		32
INTRODUCTION TO POLYMER	2		22
POLYMER APPLICATIONS	1		17,5
UE_652 - Chemistry 3	3	5	61,5
MINERAL CHEMISTRY	1		21
PHOTOCHEMISTRY	1		20
THERMOCHEMISTRY - KINETICS	1		20,5
UE_653 - Physics 2	3	5	65
FLUID MECHANICS 2	1		18
THERMODYNAMICS 2	1		26,5
HEAT TRANSFER	1		20,5
UE_654 - Engineering Science 2	2	5	47
STATISTICS	2		20
EXPERIMENTAL RESOLUTION METHODOLOGY	2		18
INDUSTRIAL IMAGING 1	1		9
UE_655 - Engineer in a Company 3	2	5	49,5
INTRODUCTION TO BUSINESS START-UPS	NE		2
SUSTAINABLE DEVELOPMENT	NE		4
WORK LEGISLATION	1		9
CHEMICAL NORMS AND REACH PROGRAMME	1		4,5
MARKETING	1		15
NEGOCIATION	1		15
UE_656 - Engineer in a Company 4	2	5	61
HUMANITIES 1: ASPECTS OF INNOVATION	1		24
ENGLISH 2	1		31
PREPARATION FOR INTERNATIONAL EXPERIENCES	NE		4
CONFERENCE: COMPANY PROJECT	NE		2

2nd YEAR

Specialisation: Textile (Text)

Year 2 Text, Sem 1: Sept to Feb (S7)

Title	coef	ECTS	Student Hours
UE_751 - Polymers Science 2	3	5	85
POLYMER CHEMISTRY 2	2		54
POLYMER PHYSICS AND MORPHOLOGY	1		18
POLYMERS PRACTICALS	1		13
UE_752 - Research and Innovation 1	2	4	70
TECHNOLOGY WATCH / BIBLIOGRAPHY	1		70
UE_753 - Physico-Chemistry	3	5	104
COMPOSITES	1		15
MECHANICAL PROPERTIES OF MATERIALS	1		13
APPLIED RHEOLOGY	1		20
PHYSICOCHEMICAL PROPERTIES OF SURFACES	1		25
COLLOIDS	1		20
COLORIMETRY	1		11
UE_754 - Engineer in a company 5	2	4	28
PROJECT MANAGEMENT	1		28
UE_755 - Engineer in a company 6	2	4	54
HUMANITIES 2 : GLOBALISATION AND DIVERSITY	1		24
ENGLISH 3	2		30
UE_756 - International Experience	1	4	1
INTERNATIONAL INTERNSHIP EXPERIENCE	1		1

Year 2 Text, Sem 2: Feb to June (S8)

Title	coef	ECTS	Student hours	Teaching in Partnership
UE_851 - Research and Innovation 2	1	3	30	
RESEARCH PROJECT 1	1		30	
UE_852 - Engineer in a Company 7	1	4	98	
FUNCONNAL ANALYSIS	1		10	
BUSINESS MODEL SIMULATION	1		18	
LANGUAGE 2	1		31	
INDUSTRIAL PROPERTY (PATENTS)	1		9	
PRODUCTION MANAGEMENT	1		30	
UE_853 - English Language Level Validation	1	3	3	
ENGLISH TEST	1			
UE_891 - Textile 1	2	7	76	
RAW MATERIALS (TEXTILE)	1		24	
TEXTILE FACTORY SPINNING	1		28	
METROLOGY	1		24	
UE_892 - Textile 2	2	7	87	
WEAVING 1	3		45	
WEFT KNITTING	1		40	Christine CORROY (ITECH) / Joel PETERSON (University of Borås)
NOVEL TEXTILES	NE		2	
UE_893 - Textile 3	2	6	70	
COLORIMETRY	1		12	
FINISHING OF TEXTILES 1	3		58	Fabien ROLAND (ITECH) 18h / Anita TARBUK 40h (University of Zagreb)

3rd YEAR

Year 3 Text, Sem 1: Sept to Feb (S9)

Title	coef	ECTS	Student hours	Teaching in Partnership
UE_951 - Engineering Internship	1	8		
ENGINEERING INTERNSHIP	1			
UE_952 - Engineer in a company 8	2	3	50	
HUMANITIES 3 : WORK ENVIRONMENT OF ENGINEERING	1		18	
PROFESSIONAL ENGLISH	1		24	
PREPARATION FOR A PROFESSIONAL CAREER - EMPLOYMENT	NE		8	
UE_953 - Engineer in a company 9	2	4	56	
QUALITY	1		16	
HR MANAGEMENT	1		30	
SUSTAINABLE DEVELOPMENT, LIFE CYCLE ANALYSES, ECO-CONCEPTION	1		10	
UE_954 - Research and Innovation 3	2	4	120	
RESEARCH PROJECT	1		120	
UE_991 - Textile 4	3	3	56	
NON WOVEN FABRICS	2		16	
WARP KNITTING	1		40	
UE_992 - Textile 5	2	4	62	
CUTTING - ASSEMBLING - CONFECTION	1		15	
FINISHING OF TEXTILES 2	1		44	Fabien ROLAND (ITECH) 28h / Anita TARBUK 16h (University of Zagreb)
NOVEL TEXTILES 2	NE		3	
UE_993 - Textile 6	2	4	56	
THROWING - TEXTURING	3		33	
WEAVING 2	1		10	
COMPOSITES	1		13	

Year 3 Text, Sem 2: Final Year Engineering Project (S10)

Title	coef	ECTS	Student hours
UE_1041 - Engineering Project	1	30	0
FINAL YEAR PROJECT	1		