

Major: Fibre and Polymer Engineering

Master's Programme in Chemical, Biochemical and Materials Engineering

Course substitution arrangements for students who continue their studies according to the curriculum of 2022-2024 during the transitional period of 1.8.2024 - 31.12.2025, when some of the courses of the curriculum 2022-2024 are no longer taught.

Common compulsory courses (3–5 cr)			
Code	Course name	ECTS credits	Equivalence in 1.8.2024 - 31.12.2025
CHEM-E0105	Academic Learning Community	3–5	Please contact the teacher
Compulsory courses (40 cr)			
Code	Course name	ECTS credits	Equivalence in 1.8.2024 - 31.12.2025
CHEM-E2100	Polymer Synthesis	5	The course continues
CHEM-E2110	Polymer Technology Laboratory Exercises	5	CHEM-E7125 Experimental Assignments in Chemical Engineering
CHEM-E2120	Fibres and Fibre Products	5	CHEM-E2122 Fibre Processes
CHEM-E2130	Polymer Properties	5	The course continues
CHEM-E2140	Cellulose-based Fibres D	5	CHEM-E2129 Nanocellulose Technology
CHEM-E2150	Interfacial Phenomena in Biobased Systems D	5	CHEM-E2121 Surface Chemistry of Bio-based Materials D
CHEM-E2160	Product Development Practices	5	CHEM-E1170 Introduction to Sustainability in the Bioeconomy D *
CHEM-E2200	Polymer Blends and Composites	5	The course offered for the last time in 2024-2025
Specialisation courses (choose 20 cr)			
Code	Course name	ECTS credits	Equivalence in 1.8.2024 - 31.12.2025
CHEM-E2225	Wood Material Science	5	The course continues
CHEM-E2235	Wood Products and Processes	5	The course continues
CHEM-E2125	Web-based Natural Fibre Products	5	CHEM-E2236 Board manufacture project course (the first time in autumn 2025). In 2024-2025, a book exam can be arranged.

<u>CHEM-E2135</u>	Converting of Web-based Products	5	CHEM-E2230 Packaging Surface Modification and Coating. Organised for the first time fall 2025. In 2024-2025 book exam can be arranged (please contact Eero Hiltunen).
<u>CHEM-E2145</u>	Polymer Reaction Engineering D	5	The course continues
<u>CHEM-E2155</u>	Biopolymers D	5	The course continues
<u>CHEM-E2165</u>	Computer Aided Visualization and Scientific Presentation D	3-5	The course continues
<u>CHEM-E2170</u>	Advanced Wood Science D	5	The course continues
<u>CHEM-E2195</u>	Interfacial Phenomena in Renewable Materials Research Project D	5-10	Individual assignment can be arranged (please contact Juan Valle Delgado)
<u>CHEM-E2205</u>	Materials for a World in Transition D	5	The course continues
<u>CHEM-E2215</u>	Coatings	5	The course offered for the last time in 2024-2025
<u>CHEM-E2220</u>	Product Development Project Course	5	CHEM-E2236 Board manufacture project course or CHEM-E2230 Packaging Surface Modification and Coating
<u>CHEM-E1220</u>	Sustainability in Bioproduct Industry D	5	CHEM-E1170 Introduction to Sustainability in the Bioeconomy D *
			*If students want a second sustainability course in addition to CHEM-E1170 Introduction to Sustainability in the Bioeconomy D, please select Sustainability Assessments for Bioproducts D