

**FACULTY  
OF  
CHEMICAL  
TECHNOLOGY**

Discrete courses\*

\*courses will be opened only if a sufficient number of students register for them.

**Bachelor courses**

**Autumn**

Course code	Course title	ECTS Credits	Semester
<a href="#">P360B501</a>	Inorganic chemistry 1	6	autumn
<a href="#">T350B125</a>	Process Engineering 1	6	autumn
<a href="#">T430B136</a>	Food Chemistry and Analysis 1	6	autumn
<a href="#">P004B001</a>	Principles of Biochemistry	6	autumn
<a href="#">T500B101</a>	Human Safety and Toxicology	3	autumn
<a href="#">T152B010</a>	Materials science	6	autumn
<a href="#">P390B301</a>	Organic Chemistry 1	6	autumn
<a href="#">P400B001</a>	Physical Chemistry 1	6	autumn
<a href="#">P300B503</a>	Chemical Analysis	6	autumn
<a href="#">P300B603</a>	Instrumental Analysis	6	autumn
<a href="#">T125B148</a>	Modeling, Optimization and Control of Biotechnological Processes	6	autumn
<a href="#">B230B104</a>	Microbiology	6	autumn

**Spring**

Course code	Course title	ECTS Credits	Semester
<a href="#">T430B117</a>	Food Chemistry and Analysis 2	3	spring
<a href="#">T350B126</a>	Process Engineering 2	6	spring
<a href="#">P370B002</a>	Polymer Chemistry	6	spring
<a href="#">T390B207</a>	Polymer Technology	6	spring
<a href="#">P310B001</a>	Biochemistry	6	spring
<a href="#">P390B302</a>	Organic Chemistry 2	6	spring
<a href="#">T350B127</a>	Modeling of Processes	6	spring
<a href="#">T350B103</a>	General Chemical Technology	6	spring
<a href="#">P400B002</a>	Physical Chemistry 2	6	spring
<a href="#">P360B502</a>	Inorganic chemistry 2	6	spring
<a href="#">P300B010</a>	Instrumental Analysis	6	spring
<a href="#">PR00B151</a>	Professional Internship	15	spring
<a href="#">P390B003</a>	Organic chemistry (short course)	6	spring
<a href="#">B200B010</a>	Cell and Tissue Biology	6	spring
<a href="#">T430B144</a>	Food Chemistry and Analysis	9	spring
<a href="#">T430B143</a>	Food Microbiology and Hygiene	6	spring
<a href="#">T430B109</a>	Food Sensory Evaluation	3	spring
<a href="#">P004B001</a>	Principles of Biochemistry	6	spring

## Master courses

## Autumn

Course code	Course title	ECTS Credits	Semester
<a href="#">T270M121</a>	Modelling of Environmental Processes and Technologies	6	autumn
<a href="#">T270M123</a>	Chemicals in Environment	6	autumn
<a href="#">P305M010</a>	Methods of Environmental Analysis	6	autumn
<a href="#">T350M110</a>	Fluid Dynamics	6	autumn
<a href="#">T350M115</a>	Chemical Reaction Engineering	6	autumn
<a href="#">T350M119</a>	Process Optimization	6	autumn
<a href="#">T500M112</a>	Workers Safety and Health	6	autumn
<a href="#">T430M102</a>	Food Quality and Safety Management	6	autumn
<a href="#">T430M137</a>	Modern Food Toxicology	6	autumn
<a href="#">T430M133</a>	Applied Food Chemistry	6	autumn
<a href="#">T430M141</a>	Dietetic	6	autumn
<a href="#">T430M134</a>	Assessment of Functionality of Food Ingredients	6	autumn
<a href="#">T430M142</a>	Personalized Nutrition	6	autumn
<a href="#">T000M246</a>	Modern Methods in Food Analysis and Quality Control	6	autumn
<a href="#">T270M138</a>	Air Quality Engineering	6	autumn
<a href="#">T000M239</a>	Eco-entrepreneurship Project	6	autumn
<a href="#">T270M135</a>	Sustainability Management and Law	6	autumn
<a href="#">T000M197</a>	Research project	12	autumn
<a href="#">P003M100</a>	Green Chemistry and Renewable Resources	6	spring
<a href="#">T490M107</a>	Product Quality Systems in Biotechnology Industry	6	autumn
<a href="#">P390M327</a>	Spectroscopy of Organic Compounds	6	autumn
<a href="#">P352M010</a>	Liquid and Gas Chromatography	6	autumn

## Spring

Course code	Course title	ECTS Credits	Semester
<a href="#">T350M107</a>	Heat and Mass Transfer	6	spring
<a href="#">T390M237</a>	Polymer Recycling	6	spring
<a href="#">T350M115</a>	Chemical Reaction Engineering	6	spring
<a href="#">P400M103</a>	Chemical Kinetics and Catalysis	6	spring
<a href="#">T430M126</a>	Functional Foods and Food Supplements	6	spring
<a href="#">B230M100</a>	Applied Microbiology and Biotechnology	6	spring
<a href="#">T430M136</a>	New Food Product Development	6	spring
<a href="#">T270M137</a>	Technologies for Waste Management and Resources Recovering,	6	spring
<a href="#">T270M136</a>	Water Resources Engineering	6	spring
<a href="#">T000M251</a>	Research Project 1	6	spring
<a href="#">T270M122</a>	Experimental Design and Data Analysis in Environmental Engineering	6	spring
<a href="#">T000M258</a>	Research project	12	spring
<a href="#">T490M113</a>	Plant and Microorganism Biotechnology	6	spring
<a href="#">P360M106</a>	Thermal Analysis and X-Ray Powder Diffraction Methods	6	spring