

Typ studia	Název studijního programu	Název studijního oboru	Fakulta
Bakalářské	Life Sciences	Environmental Chemistry and Technology	FTOP
		Food and Biochemical Technology	FPBT
		Chemistry and Materials	FCHT
		Chemistry, Engineering and Technology	FCHT + FCHI
Magisterské	Life Sciences	Applied Chemistry	FCHT + FCHI
		Biochemistry and Biotechnology	FPBT
		Engineering and Technology	FCHT + FCHI
		Environmental Chemistry and Technology	FTOP
		Food Processing, Quality and Safety	FPBT
		Chemistry of Materials	FCHT

BS - Chemistry and Materials

Semester 1

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory Subjects							
N320016	Biology I	320	3	0	0	Exam	5
N445001	Applications of Computer Science	445	0	3	0	Credit	3
N101005	General and Inorganic Chemistry I	101	3	2	0	Exam	8
N101002	Chemical Calculation	101	0	2	0	Credit	2
N111009	Toxicology and Ecology	111	2	0	0	Exam	3
N413022	Mathematics I	413	3	3	0	Exam	9

Semester 2

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory Subjects							
N413003	Mathematics II	413	3	3	0	Exam	8
N110004	Organic Chemistry I	110	2	2	0	Exam	6
N101003	Inorganic Chemistry: Laboratory	101	0	0	3	Credit	3
N444001	Physics I	444	2	2	0	Exam	5
N413004	Applied Statistics	413	1	2	0	Exam	4
N101041	General and Inorganic Chemistry II	101	2	2	0	Exam	5

Elective subjects

Semester 3

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N320001	Biochemistry I	320	3	1	0	Exam	6
N110002	Organic Chemistry: Laboratory I	110	0	0	4	Credit	3
N403011	Physical Chemistry I	403	3	2	0	Exam	6
N444003	Physics: Laboratory	444	0	0	3	Exam	2
N108004	Introduction to Study of Materials	108	2	0	0	Exam	3
N110005	Organic Chemistry II	110	3	2	0	Exam	6

Compulsory elective subject 1

N148004	Materials of Cultural Heritage Objects	148	2	0	0	Exam	3
N105004	Fundamentals of Chemical Technologies	105	2	0	0	Exam	3

Elective subjects

Semester 4

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N402002	Analytical Chemistry I	402	2	1	0	Exam	4
N409002	Chemical Engineering I	409	2	2	0	Exam	5
N403014	Physical Chemistry II	403	3	2	0	Exam	7
N403013	Physical Chemistry: Laboratory I	403	0	0	4	Credit	3
N320014	Biochemistry: Laboratory	320	0	0	6	Credit	4

Compulsory elective subjects 2, 3

N112003	Macromolecular Chemistry	112	2	1	0	Exam	4
N106018	Metallic Engineering Materials	106	2	0	0	Exam	3
N106023	Materials Corrosion for Conservators	106	2	0	0	Exam	3
N107001	Inorganic Non-Metallic Materials	107	2	0	0	Exam	3

Elective subjects

Semester 5

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N402003	Analytical Chemistry: Laboratory I	402	0	0	5	Exam	3
N143013	Chemical Informatics	143	0	2	0	Exam	2
N150014	Study Specialization: Laboratory	150	0	0	6	Credit	4
N409013	Chemical Engineering: Laboratory	409	0	0	4	Credit	3

Compulsory elective subjects 4

N402004	Analytical Chemistry II	402	2	1	0	Exam	4
N409003	Chemical Engineering II	409	2	3	0	Exam	6

Compulsory elective subjects 5, 6

N106003	Materials Corrosion	106	3	0	0	Exam	4
N112001	Physics of Polymers	112	2	1	0	Exam	4
N148003	Preventive Conservation	148	2	0	0	Exam	3
N126012	Introduction to Electronics	126	2	0	0	Exam	3
N107006	Fundamentals of Glass and Ceramic Technologies	107	2	1	0	Exam	4
N403012	Physical Chemistry: Laboratory II	403	0	0	4	Credit	3

Elective subjects

Semester 6

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N963014	Bachelor Project	963	0	0	15	Credit	15

Compulsory elective subjects 7, 8, 9

N402007	Analytical Chemistry: Laboratory II	402	0	0	4	Credit	4
N106004	Metallurgy	106	2	0	0	Exam	3
N107004	Characterization Methods for Substances	107	2	2	0	Exam	5
N112006	Technology of Polymeric Materials Processing	112	2	0	0	Exam	3
N126002	Materials for Electronics	126	2	1	0	Exam	4

Elective subjects

Semester 4

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N963008	Diploma Thesis	150	0	0	30	Credit	30

BS - Chemistry, Engineering and Technology

Semester 1

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory Subjects							
N320016	Biology I	320	3	0	0	Exam	5
N445001	Applications of Computer Science	445	0	3	0	Credit	3
N101005	General and Inorganic Chemistry I	101	3	2	0	Exam	8
N101002	Chemical Calculation	101	0	2	0	Credit	2
N111009	Toxicology and Ecology	111	2	0	0	Exam	3
N413022	Mathematics I	413	3	3	0	Exam	9

Semester 2

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory Subjects							
N413003	Mathematics II	413	3	3	0	Exam	8
N110004	Organic Chemistry I	110	2	2	0	Exam	6
N101003	Inorganic Chemistry: Laboratory	101	0	0	3	Credit	3
N444001	Physics I	444	2	2	0	Exam	5
N413004	Applied Statistics	413	1	2	0	Exam	4
N101041	General and Inorganic Chemistry II	101	2	2	0	Exam	5

Elective subjects

Semester 3

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N320001	Biochemistry I	320	3	1	0	Exam	6
N110002	Organic Chemistry: Laboratory I	110	0	0	4	Credit	3
N403011	Physical Chemistry I	403	3	2	0	Exam	6
N444003	Physics: Laboratory	444	0	0	3	Exam	2
N110005	Organic Chemistry II	110	3	2	0	Exam	6

Compulsory elective subject 1

N111024	Fundamentals of Pharmacology	111	2	0	0	Exam	3
N105004	Fundamentals of Chemical Technologies	105	2	0	0	Exam	3
N108004	Introduction to Study of Materials	108	2	0	0	Exam	3

Elective subjects

Semester 4

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N402002	Analytical Chemistry I	402	2	1	0	Exam	4
N409002	Chemical Engineering I	409	2	2	0	Exam	5
N403014	Physical Chemistry II	403	3	2	0	Exam	7
N403013	Physical Chemistry: Laboratory I	403	0	0	4	Credit	3
N320014	Biochemistry: Laboratory	320	0	0	6	Credit	4

Compulsory elective subjects 2, 3

N110026	Fundamentals of Chemistry of Pharmaceuticals	110	3	0	0	Exam	5
N112003	Macromolecular Chemistry	112	2	1	0	Exam	4
N110003	Organic Chemistry: Laboratory II	110	0	0	4	Credit	4
N111006	Environmental Protection Processes	111	2	1	0	Exam	4

Elective subjects

Semester 5

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N402003	Analytical Chemistry: Laboratory I	402	0	0	5	Exam	3
N143013	Chemical Informatics	143	0	2	0	Credit	2
N150014	Study Specialization: Laboratory	150	0	0	6	Credit	4
N409013	Chemical Engineering: Laboratory	409	0	0	4	Credit	3

Compulsory elective subjects 4

N402004	Analytical Chemistry II	402	2	1	0	Exam	4
N409003	Chemical Engineering II	409	2	3	0	Exam	6

Compulsory elective subjects 5, 6

N108022	Chemistry and Physics of Pharmaceuticals	108	2	0	0	Exam	3
N108013	Chemistry of Environment	108	3	0	0	Exam	4
N111014	Engineering in the Pharmaceutical Industry	111	2	2	0	Exam	5
N403012	Physical Chemistry: Laboratory II	403	0	0	4	Credit	3

Elective subjects

Semester 6

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
N963014	Bachelor Project	963	0	0	15	Credit	15

Compulsory elective subjects 7, 8, 9

N402007	Analytical Chemistry: Laboratory II	402	0	0	4	Credit	4
N111005	Catalysis	111	2	1	0	Exam	4
N110006	Structural Analysis	110	2	1	0	Exam	4
N110025	Registration of Drugs and Patent Protection	101	2	0	0	Exam	3
N105001	Applied Chemical Processes	105	2	1	0	Exam	4

Elective subjects

BS - Food and Biochemical Technology

Semester 1

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory Subjects							
	Basic Toxicology and Ecology	240	2	0	0	Exam	3
	Biology	320	3	0	0	Exam	5
	Computer Technique	342	1	1	0	Credit	2
	General and Inorganic Chemistry I	101	3	2	0	Exam	8
	Introduction to Food Technologies and Biotechnologies	352	2	0	0	Exam	3
	Mathematics I	413	3	3	0	Exam	9

Semester 2

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory Subjects							
	Biology: Laboratory	320	0	0	3	Credit	2
	Enterprise Economics	437	2	1	0	Exam	4
	Inorganic Chemistry: Laboratory I	101	0	0	4	Credit	3
	Organic Chemistry I	110	2	2	0	Exam	6
	Physics I	444	3	2	0	Exam	7

Compulsory elective subjects 1, 2

	Applied Statistics	413	1	2	0	Exam	4
	Biocology	352	3	0	0	Exam	5
	Sensory Analysis	323	2	2	0	Exam	5

Semester 3

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
	Biochemistry	320	3	1	0	Exam	6
	Molecular Genetics and Genetic Engineering	320	3	0	0	Exam	5
	Organic Chemistry: Laboratory I	110	0	0	4	Credit	3
	Physical Chemistry I	403	3	2	0	Exam	6

Compulsory elective subject 3, 4

	Analytical Chemistry I	402	2	1	0	Exam	4
	Food Technology and Biotechnology I	352	3	0	0	Exam	5
	Physical Chemistry: Laboratory I	403	0	0	4	Credit	3

Semester 4

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
	Biochemistry: Laboratory	320	0	0	6	Credit	4
	Food Chemistry	323	3	0	0	Exam	5
	Microbiology	320	3	0	0	Exam	5
	Unit Operations of Chemical Engineering I	409	2	3	0	Exam	6

Compulsory elective subjects 5, 6

	Analytical Chemistry I	402	2	1	0	Exam	4
	Food Technology and Biotechnology I	352	3	0	0	Exam	5
	Physical Chemistry: Laboratory I	403	0	0	4	Credit	3

Semester 5

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
	Principles of Food Safety	323	3	0	0	Exam	5
	Chemical Engineering: Laboratory	409	0	0	3	Credit	2
	Food and Natural Products Analysis	323	3	1	0	Exam	6
	Food and Natural Products Analysis: Laboratory	323	0	0	5	Credit	3
	Microbiology: Laboratory	320	0	0	6	Credit	4

Compulsory elective subjects 7, 8

	Analytical Chemistry: Laboratory I	402	0	0	6	Credit	4
	Bioactive Natural Compounds	342	3	0	0	Exam	5
	Food Technology and Biotechnology II	352	3	0	0	Exam	5

Semester 6

Code	Subject Title	Department	Le	Se	La	Termination	Credits
Compulsory subjects							
	Bachelor Project	963	0	0	15	State Final Exam	15
	Bachelor Project Seminar	963	0	3	0	Credit	5

Compulsory elective subjects 9, 10

	Applied Enzymology	320	3	0	0	Exam	5
	EU Food Legislation	323	3	0	0	Exam	5
	Food Traceability and Authenticity	352	3	0	0	Exam	5

MS - Chemistry of Materials

Semester 1

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Laboratory project I	150	0	0	10	Credit	7
Compulsory elective subjects 1							
N402004	Analytical Chemistry II	402	2	1	0	Exam	4
N444006	Physics II	444	2	2	0	Exam	5
Compulsory elective subjects 2-4							
N101011	Coordination Chemistry	101	3	1	0	Exam	6
N105008	Applied Reaction Kinetics	105	2	2	0	Exam	5
N106017	Principles of Metallurgical and Corrosion Processes	106	3	0	0	Exam	5
N112008	Physical Chemistry of Polymers	112	2	2	0	Exam	5
N108006	Chemistry and Physics of Solids	108	3	0	0	Exam	5
N148007	Corrosion and Conservation of Inorganic Materials	148	2	1	0	Exam	4
N126004	Thermodynamics of Materials	126	2	1	0	Exam	4

Elective subjects

Semester 2

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Laboratory project II	150	0	0	10	Credit	7
Compulsory elective subjects 4-7							
N101009	Crystallochemistry	101	2	0	0	Exam	3
N148066	Corrosion and Conservation of Archival and Library Collections	148	2	0	0	Exam	3
N148008	Corrosion and Conservation of Organic Materials	148	2	1	0	Exam	4
N107025	Characterization of Particles and Particle Systems	107	2	0	0	Exam	3
N126002	Materials for Electronics	126	2	1	0	Exam	4

Elective subjects

Semester 3

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Excursion	150, 453	0	0	0	Credit	1
	Laboratory project III	150	0	0	10	Credit	7
Compulsory elective subjects 7-10							
N106008	Physics of Metals	106	3	0	0	Exam	5
N106007	Phase Transformations in Metals	106	2	1	0	Exam	4
N107016	Glass Technology	107	4	1	0	Exam	7
N107003	Mechanics of Materials	107	2	1	0	Exam	4
N107009	Chemical Engineering Calculations	107	0	3	0	Exam	2
N107015	Technology of Ceramics	107	4	1	0	Exam	7

Elective subjects

Semester 4

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory subjects							
N963008	Diploma Thesis		0	0	30	Credit	30

MS - Applied Chemistry

Semester 1

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Laboratory project I	150, 453	0	0	10	Credit	7
Compulsory elective subjects 1							
N402004	Analytical Chemistry II	402	2	1	0	Exam	4
N402037	Molecular Modelling	402	1	2	0	Exam	3
N105008	Applied Reaction Kinetics	105	2	2	0	Exam	5
N101011	Coordination Chemistry	101	3	1	0	Exam	6
Compulsory elective subjects 2-4							
N105011	Engineering Thermodynamics	105	3	2	0	Exam	8
N110012	Organic Synthesis	110	3	1	0	Exam	6
N402042	Chemometrics in Analytical Chemistry	402	2	1	0	Exam	4
N110015	Organic Reaction Mechanisms	110	2	2	0	Exam	5
N111020	Technical Catalysis	111	2	2	0	Exam	5
N402020	Theoretical Fundamentals of Analytical Chemistry	402	2	1	0	Exam	4
N402038	Introduction to Molecular Physical Chemistry	402	2	1	0	Exam	4
N403018	State Behaviour and Thermodynamic Properties of Fluids	403	3	2	0	Exam	7
N402005	Atomic Spectroscopy	402	2	0	2	Exam	5

Elective subjects

Semester 2

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Laboratory project II	150, 453	0	0	10	Credit	7
Compulsory elective subjects 5							
N402015	Molecular Spectroscopy	402	2	1	2	Exam	6
N402016	Bioanalytical Methods	402	2	0	0	Exam	3
N403020	Phase Equilibria	403	3	2	0	Exam	7
Compulsory elective subjects 6-7							
N101009	Crystallochemistry	101	2	0	0	Exam	3
N110013	Retrosynthesis	110	3	1	0	Exam	6
N112003	Macromolecular Chemistry	112	2	1	0	Exam	4
N403024	Structure and Properties of Molecules	403	3	1	0	Exam	6
N320021	Biophysical Chemistry	320	2	1	0	Exam	4
N403023	Statistical Thermodynamics	403	3	1	0	Exam	6

Elective subjects

Semester 3

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Excursion	150, 453	0	0	0	Credit	1
	Laboratory project III	150, 453	0	0	10	Credit	7
Compulsory elective subjects 7-10							
N402012	Electroanalytical Methods	402	2	0	2	Exam	6
N403025	Chemical Equilibria	403	3	2	0	Exam	7
N110014	Transition Metals in Organic Synthesis	110	3	1	0	Exam	6
N112008	Physical Chemistry of Polymers	112	2	2	0	Exam	5
N111004	Fine Chemicals	111	3	0	0	Exam	5
N403028	Physical Chemistry of Phase Boundaries	403	2	1	0	Exam	4
N402014	Methods of Structural and Surface Analysis	402	2	0	0	Exam	3
N403038	Processing of Physico-Chemical Data	403	2	1	0	Exam	4

Elective subjects

Semester 4

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory subjects							
N963008	Diploma Thesis	150, 453	0	0	30	Credit	30

MS - Engineering and Technology

Semester 1

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Laboratory project I	150, 453	0	0	10	Credit	7
Compulsory elective subjects 1							
N409003	Chemical Engineering II	409	2	3	0	Exam	6
N409021	Chemical Engineering III	409	2	2	0	Exam	5
Compulsory elective subjects 2-4							
N111020	Technical Catalysis	111	2	2	0	Exam	5
N413005	Numerical Methods	413	3	2	0	Exam	7
N445017	Control Theory	445	2	2	0	Exam	5
N444021	Measuring Technique	444	2	0	0	Exam	3
N105011	Engineering Thermodynamics	105	3	2	0	Exam	8
	Fluid Mechanics	409	2	2	0	Exam	5

Elective subjects

Semester 2

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Laboratory project II	150, 453	0	0	10	Credit	7
Compulsory elective subjects 5							
N105020	Inorganic Technology	105	2	0	0	Exam	3
N111015	Organic Technology	111	3	0	0	Exam	5
N409057	Introduction of Bioengineering Methods	409	2	1	0	Exam	4
Compulsory elective subjects 6-7							
N409024	Diffusion Separation Processes	409	3	2	0	Exam	7
	Heat Transfer	409	2	2	0	Exam	5
N409025	Process and System Engineering	409	2	2	0	Exam	7
N445025	Advanced Control Methods	445	2	2	0	Exam	5
N409064	Mathematical Modeling of Processes in Chem. Eng.	409	2	2	0	Exam	5
N409055	Multifunctional Chemical and Biochemical Micro-Systems	409	2	0	0	Exam	3

Elective subjects

Semester 3

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Excursion	150, 453	0	0	0	Credit	1
	Laboratory project III	150, 453	0	0	10	Credit	7
Compulsory elective subjects 7-10							
N105013	Membrane Processes	105	2	1	0	Exam	4
N107003	Mechanics of Materials	107	2	1	0	Exam	4
N105008	Applied Reaction Kinetics	105	2	2	0	Exam	5
N409043	Safety Engineering	409	2	1	0	Exam	4
N111019	Design of Processes	111	3	1	0	Exam	6
N111004	Fine Chemicals	111	3	0	0	Exam	5

Elective subjects

Semester 4

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory subjects							
N963008	Diploma Thesis	150, 453	0	0	30	Credit	30

MS - Biochemistry and Biotechnology

Semester 1

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Advanced Biochemistry	320	3	0	0	Exam	5
	Isolation and analysis of biomacromolecules	320	3	0	0	Exam	5
	Organic Chemistry II	110	2	2	0	Exam	5
	Physical Chemistry of Colloidal Systems	403	3	2	0	Exam	7

Compulsory elective subjects 1, 2

	Industrial Microbiology	320	2	1	0	Exam	4
	Matematics II	413	2	3	0	Exam	6
	Molecular Biology	319	3	0	0	Exam	5
	Organic Chemistry of Natural Compounds	342	2	0	0	Exam	3

Semester 2

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Advanced Biochemistry: Laboratory	320	0	0	5	Credit	4
	Analytical Chemistry II	402	2	1	0	Exam	4
	Cell Biology	319	3	0	0	Exam	5
	Food Microbiology	320	3	0	0	Exam	5
	Food Microbiology: Laboratory	320	0	0	5	Credit	4

Compulsory elective subjects 3, 4

	Advanced Strategies in Food Analysis	323	2	1	0	Exam	4
	Food Process Quality Control	321	3	0	0	Exam	5
	Food Process Quality Control: Laboratory	321	0	0	5	Credit	3

Semester 3

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory subjects							
	Bioengineering	319	3	0	0	Exam	5
	Diploma Project: Laboratory	352	0	0	15	Credit	15

Compulsory elective subject 5, 6

	Environmental Biotechnology	320	3	0	0	Exam	5
	Bioprocess Modelling	319	1	3	0	Credit	4
	Programme Project	352	0	5	0	Credit	5

Semester 4

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory subjects							
	Magister Project	963	0	0	27	State Final Exam	30

MS - Food Processing, Quality and Safety

Semester 1

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Advanced Processes in Food Technology and Biotechnol	321	2	2	0	Exam	5
	Applied Biochemistry	320	3	0	0	Exam	5
	Organic Chemistry II	110	2	2	0	Exam	5
	Physical Chemistry of Colloidal Systems	403	3	2	0	Exam	7

Compulsory elective subjects 1, 2

	Matematics II	413	2	3	0	Exam	6
	Industrial Microbiology	352	2	1	0	Exam	4
	Organic Chemistry of Natural Compounds	342	2	0	0	Exam	3
	Physical Properties of Foods	322	3	0	0	Exam	5

Semester 2

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory Subjects							
	Advanced Processes in Food Technology and Biotechnology: Laboratory	321	0	0	6	Credit	4
	Advanced Strategies in Food Analysis	323	2	1	0	Exam	4
	Analytical Chemistry II	402	2	1	0	Exam	4
	Food Microbiology	320	3	0	0	Exam	5
	Food Process Quality Control	352	3	0	0	Exam	5

Compulsory elective subjects 3, 4

	Food Safety and Quality Management Systems	324	3	0	0	Exam	5
	Food Toxicology	323	3	0	0	Exam	5
	Programme Project	352	0	5	0	Credit	5

Semester 3

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory subjects							
	Diploma Project: Laboratory	352	0	0	15	Credit	15
	Food Process Quality Control: Laboratory	352	0	0	7	C	5

Compulsory elective subject 5, 6

	Food Microbiology: Laboratory	320	0	0	6	Credit	5
	Food Packaging	324	3	0	0	Exam	5
	Food Preservation	324	3	0	0	Exam	5

Semester 4

<i>Code</i>	<i>Subject Title</i>	<i>Department</i>	<i>Le</i>	<i>Se</i>	<i>La</i>	<i>Termination</i>	<i>Credits</i>
Compulsory subjects							
	Magister Project	963	0	0	27	State Final Exam	30

