POLITECHNIKA POZNAŃSKA

WYDZIAŁ TECHNOLOGII CHEMICZNEJ
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Plan studiów i punkty ECTS dla kierunku CHEMICAL TECHNOLOGY, studia stacjonarne I stopnia zatwierdzone 03.07.2018 obowiązujące od roku akademickiego 2018/2019

Semester 1	Number of hours	ECTS points
Mathematics (2C + 2Pc) E	60	5
Physics (3C + 1Pc) E	60	5
General and Inorganic Chemistry (3C + 2Pc) E	75	7
Engineering Graphics (2P)	30	3
Information Technology (1C + 1P)	30	2
Eligible Humanistic Subject (2C)	*30*	*3*
Foreign Language (4Pc)	*60*	*5*
Physical Education (1Pc)	15	0
Working safety (once)	4	0
Library services (e-learning)	2	0

Semester 2	Number of hours	ECTS points
Mathematics (2C + 2Pc) E	60	5
Physics (3Lc)	45	3
General and Inorganic Chemistry (4Lc)	60	5

Analytical Chemistry (2C + 3Lc) E	75	5
Foreign Language (4Pc) E	*60*	*5*
Eligible Humanistic Subject (one out of two)		*3*
Marketing and Management (2C)	*30*	*3*
Management and Entrepreneurship (2C)	*30*	*3*
Eligible Subject I (two out of three)		*4*
Information Technology (1P)	*15*	*2*
General and Inorganic Chemistry (1C)	*15*	*2*
Engineering Graphics (1P)	*15*	*2*
Physical Education (2Pc)	30	0

Semester 3	**Number of hours**	**ECTS points**
Organic Chemistry (2C + 2Pc) E	60	5
Organic Chemistry – Laboratory (2Lc)	30	3
Chemical and Process Thermodynamics (2C + 2Lc) E	60	6
Chemical and Process Thermodynamics (2Pc)	30	2
Instrumental Analysis (2C + 2Lc) E	60	4
Material Science and Theory of Machines (2C + 1P) E	45	3
Eligible Subject in General and Inorganic Chemistry (one out of two)		*3*
Practical Applications of Inorganic Compounds Reactions (2Lc)	*30*	*3*
Elements of Inorganic Preparation (2Lc)	*30*	*3*
Eligible Subject II (one out of two)		*2*
Analytical Chemistry - Gravimetric Analysis (1Lc)	*15*	*2*
Analytical Chemistry - Titrants and Acid–base Standardization (1Lc)	*15*	*2*

Eligible Subject III (one out of two)		*2*
Instrumental Analysis with Elements of Preparation (1Lc)	*15*	*2*
Material Science and Theory of Machines (1P)	*15*	*2*

Semester 4	**Number of hours**	**ECTS points**
Organic Chemistry (2C + 2Pc) E	60	4
Organic Chemistry – eligible subject (one out of two)		*3*
Oxygen-based Organic Compounds (2Lc)	*30*	*3*
Nitrogen-based Organic Compounds (2Lc)	*30*	*3*
Physical Chemistry (2C + 2Pc + 2Lc) E	90	5
Physical Chemistry – eligible subjects (one out of two)		2
Chemical Knetics and Electrochemistry II (1Lc)	*15*	*2*
Influence of Electromagnetic Radiation on Matter (1Lc)	*15*	*2*
Chemical Industry Equipment (2C + 2P) E	60	5
Chemical Industry Equipment – eligible subject (one out of two)		2
Design of Centrifugal Collector (1P)	*15*	*2*
Design of a Sedimentation Tank (1P)	*15*	*2*
Chemometrics and Elements of Statistics (1C + 2Pc)	45	4
Solid State Chemistry (2C + 2Lc) E	60	5

Semester 5	**Number of hours**	**ECTS points**
Chemical Engineering (2C + 4Lc) E	90	6
Chemical Engineering (2P)	30	2
Fundamentals of Chemical Technology (2C + 2Lc) E	60	5

Fundamentals of Chemical Technology (1Pc)	15	1
Inorganic Chemical Technology (2C + 2Lc) E	60	5
Inorganic Chemical Technology (1Pc)	15	1
Technology of Polymeric Materials (2C + 2Lc) E	60	5
Technology of Polymeric Materials (1Pc)	15	1
Eligible Project IV (two out of three)		*4*
Fundamentals of Chemical Technology (1P)	*15*	*2*
Inorganic Chemical Technology (1P)	*15*	*2*
Technology of Polymeric Materials (1P)	*15*	*2*

Semester 6	**Number of hours**	**ECTS points**
Fundamentals of Electrochemical Technology (2C + 2Lc) E	60	5
Elements of Electrical Engineering and Electronics (2C)	30	2
Organic Chemical Technology (2C + 1Pc + 2Lc) E	75	6
Methods of Organic Compounds Analysis (1C + 1Pc + 1Lc)	45	4
Elements of Automation and Measurements in Chemical Technology (1C + 1P) E	30	2
Technological Project (2P)	30	2
Eligible Subject V (one out of two)		*2*
Advanced Methods of Organic Compounds Analysis (1C + 1Lc)	*30*	*2*
Chemical Engineering (1C + 1Lc)	*30*	*2*
Eligible Subject VI (one out of three)		*1*
Computer Aided Design (1P)	*15*	*1*
Organic Chemical Technology (1P)	*15*	*1*
Fundamentals of Electrochemical Technology (1Lc)	*15*	*1*
Eligible Lecture (one out of two)	*15*	*1*

Microcontrolers for chemists (1C)	*15*	*1*
Imaging methods in chemistry (1C)	*15*	*1*
Intership - 6 weeks		5
Information Skills (once)	2	0

Semester 7	**Number of hours**	**ECTS points**
Technology of Special Purpose Materials and Nanomaterials (1C)	15	2
Exploitation and Process Safety (1C)	15	2
Methods of Technological Process Control (1C + 1Lc)	30	3
Eligible Subject (a total of 6 ECTS)		*6*
Fundamentals of Product Engineering and Quality Management (1C + 1P)	*30*	*4*
Technology of Special Purpose Materials and Nanomaterials (1C)	*15*	*2*
Exploitation and Process Safety (1C)	*15*	*2*
Methods of Technological Process Control (1C)	*15*	*2*
Protection of Intellectual Property, Safety and Work Ergonomics (1C)	*15*	*2*
Eligible Lecture (one out of two)		*2*
Water Purification and Wastewater Treatment Technologies (1C)	*15*	*2*
Corrosion Prevention Technologies (1C)	*15*	*2*
Diploma Seminar (1P)	*15*	*2*
Preparation and Submission of the Thesis	120	13

C – Classes (Lecture)

Pc - practical classes

P – Project

Lc – Laboratory course

E - exam

DZIEKAN
Wydziału Technologii Chemicznej PP
dr hab. inż. Krzysztof Alejski
profesor nadzwyczajny