

Faculty **INDUSTRIAL CHEMISTRY AND ENVIRONMENTAL ENGINEERING**

Bachelor studies program:

Master studies program:

ENGINEERING AND ENVIRONMENTAL MANAGEMENT IN INDUSTRY

Status form of study: full time

Length of studies: **2 years**

Fundamental field hierarchy (DFI):

Branch of science (RSI):

Field Hierarchy (DII):

Educational master programmes (DSU_M):

ENGINEERING SCIENCE

MECHANICAL ENGINEERING, MECHATRONICS, MECHANICAL ENGINEERING AND MANAGEMENT

ENVIRONMENTAL ENGINEERING

ENVIRONMENTAL ENGINEERING

DFI Code.RSI Code. DII Code. DSU_M Code.

20.70.50.10

ciclul	c1c	a1a
M	080	17

EDUCATION PLAN
2017 - 2018 Academic year
1st YEAR

	1st SEMESTER										2nd SEMESTER									
1	Industrial Pollutants Control										Algorithms and Software for Process Simulation									
	M080.17.0R.A1	8	D	28	0	28	0	DA	156	M080.17.0R.A1	6	E	28	0	21	0	DA	84		
2	Industrial Processes Design										Advanced Technologies in Water and Wastewater Treatment									
	M080.17.0R.S2	8	E	28	0	21	0	DS	156	M080.17.0R.A2	8	E	28	0	28	0	DA	156		
3	Physical Chemistry of Interfaces										Optional Course II									
	M080.17.0R.A3	8	E	28	0	21	0	DCA	156	M080.17.0R.A3-ij	8	D	28	0	21	0	DA	156		
4	Optional Course I										Optional Course III									
	M080.17.0R.S4-ij	6	D	28	0	14	0	DS	84	M080.17.0R.A4-ij	8	D	28	0	14	0	DCA	156		
5																				
total / semester	hours:	196		VPI:		552		hours:	196		VPI:		552							
	credits:	30		evaluations:		4E		credits:	30		evaluations:		3E+1D							
total / week	hours:	14.00						hours:	14.00											
	of which:			8		0		6		0		(c, s, l, p)								

2nd YEAR

	3rd SEMESTER										4th SEMESTER									
1	Advanced Technologies in Environmental Protection										Research stage									
	M080.17.0R.A1	9	E	28	0	28	0	DA	177	M080.17.0R.S1	15	D	0	0	98	0	DS	276		
2	Energy Resources Management										Elaboration and dissertation defence									
	M080.17.0R.A2	9	E	28	0	28	0	DCA	177	M080.17.0R.S2	15	E	0	0	0	98	DS	276		
3	Environmental analysis of industrial processes																			
	M080.17.0R.A3	6	D	28	0	0	14	DCA	84											
4	Optional Course IV																			
	M080.17.0R.S4-ij	6	D	28	0	0	14	DS	84											
5																				
total / semester	hours:	196		VPI:		522		hours:	196		VPI:		552							
	credits:	30		evaluations:		3E+1D		credits:	30		evaluations:		1E+1D							
total / week	hours:	14.00						hours:	14.00											
	of which:			8		0		4		2		(c, s, l, p)								

**OPTIONAL COURSES
1st YEAR**

	1st SEMESTER										2nd SEMESTER									
01	Optional Course I Audit and Environmental Legislation										Optional Course II Spectroscopic Analysis Methods									
	M080.17.0R.S4-01	6	D	28	0	14	0	DS	84	M080.17.0R.A3-01	8	D	28	0	21	0	DA	156		
02	Optional Course Quality I - Environment Integrated Management										Optional Course II Analysis Modern Methods of Environmental Factors									
	M080.17.0R.S4-02	6	D	28	0	14	0	DS	84	M080.17.0R.A3-02	8	D	28	0	21	0	DA	156		
03											Optional Course III Environmental Factors Management									
											M080.17.0R.A4-03	8	D	28	0	14	0	DCA	156	
04											Optional Course III Application of Artificial Intelligence in Process Management									
											M080.17.0R.A4-04	8	D	28	0	14	0	DCA	156	

**OPTIONAL DISCIPLINES
2nd YEAR**

	3rd SEMESTER										4th SEMESTER									
01	Optional Cours IV Integrated Waste Management																			
	M080.17.0R.S4-01	6	D	28	0	0	14	DS	84											
02	Optional Cours IV Ecological Waste Storage																			
	M080.17.0R.S4-02	6	D	28	0	0	14	DS	84											

Legend

Discipline Name										
Code	nc	FE	c	s	l	p	CF	VPI		

Code = discipline code
nc = transferable credits no
FE = evaluation form
 FE ∈ {E, D, C, P-E, P-D}
 E=exam
 D=distributed evaluation
c=course/semester hours no
s= seminar hours no

l=laboratory hours no
p=project hours no
CF=formative category of discipline
 CF ∈ {DA, DCA, DS}
 DA - deepening discipline
 DCA - advanced knowledge discipline
 DS - synthesis discipline
VPI = volume of hours for individual preparation in one semester of 14 wk.

Example

Internet Technologies										
Code	8	E	28	0	0		DS	70		

(*) - activ optional disciplines in the current academic year

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