

Field of study: **Chemical Engineering**

Programme of study: *Pharmaceutical and Cosmetic Products*

Title of the graduated: **Master Degree**

Period of studies: **2 years**

Learning program: **full-time**

# CURRICULUM

## 1<sup>st</sup> year of study

	No	Discipline Name	Discipline Code	No. hours for individual study	1 <sup>st</sup> Semester						2 <sup>nd</sup> Semester					
					No.hours/ week/ discipline				Exam	ECTS	No.hours/ week/ discipline				Exam	ECTS
					C	S	L	P			C	S	L	P		
ID	501	Active Substances Used for Drugs	ID SD	69	2	-	2	-	E	5						
	502	Active Substances Used for Cosmetics	ID SD	33	2	-	1	-	E	3						
	503	Extraction of Active Compounds from Natural Sources	ID SD	69	2	-	2	-	E	5						
	504	Materials Characterization and Testing I	ID SD	69	2	-	2	-	E	5						
	505	Applied Microbiology	ID SD	58	2	-	1	-	C	4						
	506	Scientific Research 1	ID SD	41	-	-	6	-	VP	5						
	507	Rheology of Pharmaceutical and Cosmetic Producs	ID SD	58							2	-	1	-	E	4
	508	Modern Separation Techniques	ID SD	58							2	-	1	-	E	4
	509	Cosmetic Products	ID SD	69							2	-	2	-	E	5
	510	Pharmaceutical and Cosmetic Additives	ID SD	33							2	-	1	-	C	3
	511	Materials Characterization and Testing II	ID SD	69							2	-	2	-	E	5
	512	Drugs and Cosmetics Marketing and Consumer Behaviour	ID SD	58							2	-	-	1	C	4
	513	Scientific Research 2	ID SD	41							-	-	6	-	VP	5
OD	514	1. Biocompatible Materials	OD SD	47	2	-	-	-	C	3						
		2. Research Strategy. Scientific Creativity														
		Total hours on week, total tests and credits on semester, at ID (imposed disciplines) and OD (optional disciplines)			12	-	14	-	4E 2C 1PE	30	12	-	13	1	4E 2C 1PE	30
					26								26			

Legende: ID – imposed discipline; OD – optional discipline; TD – thoroughly discipline; SD – synthesis discipline; C – course; S – seminar; L – laboratory; P – project; RD – Scientific research of dissertation thesis; E – exam; C – colloquium; PE – periodical evaluation.

**RECTOR,**  
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**DEAN,**  
Professor Nicolae Hurduc, Ph.D.Eng.

**“GHEORGHE ASACHI” TECHNICAL UNIVERSITY OF IAȘI**

**”CRISTOFOR SIMIONESCU” FACULTY OF CHEMICAL ENGINEERING AND ENVIRONMENTAL PROTECTION**

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# CURRICULUM

## 2<sup>nd</sup> year of study

	No	Discipline Name	Discipline Code	No. hours for individual study	3 <sup>rd</sup> Semester						4 <sup>th</sup> Semester						
					No.hours/ week/ discipline				Exam	ECTS	No.hours/ week/ discipline					Exam	ECTS
					C	S	L	P			C	S	L	P	RD		
ID	601	Pharmaceutical Products Conditioning	ID SD	55	3	-	2	-	E	5							
	602	Industrial Plants Safety	ID SD	58	2	-	-	1	E	4							
	603	Products Quality and Consumer Protection	ID SD	58	2	-	1	-	E	4							
	604	Scientific Research	ID SD	41	-	-	6	-	PE	5							
	605	Scientific Research Report 1	ID SD	35							-	-	-	-	10	PE	7
	606	Scientific Research Report 2	ID SD	60							-	-	-	-	10	PE	8
	607	Development of MSc. Thesis	ID SD	291							-	-	-	-	6	C	15
OD	608	1. Chemical and Biochemical Sensors	OD SD	58	2	-	1	-	E	4							
		2. Pharmaceutical and Cosmetic Products Design															
	609	1. Controlled Drug Delivery	OD SD	58	2	-	1	-	C	4							
		2. Research Strategy. Dissemination of Scientific Results															
	610	1. Management of Technology Transfer	OD SD	58	2	1	-	-	C	4							
		2. Bussines Management															
		M.Sc. Exam															
		Total hours on week, total tests and credits on semester, at ID (imposed disciplines) and OD (optional disciplines)			13	1	11	1	4E	30	-	-	-	-	26	1C	30
					26			1C	1PE	26			2PE				

Legende: ID – imposed discipline; OD – optional discipline; TD – thoroughly discipline; SD – synthesis discipline; C – course; S – seminar; L – laboratory; P – project; RD – Scientific research of dissertation thesis; E – exam; C – colloquium; PE – periodical evaluation.

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