

COURSE STRUCTURE

2025-11146 Chemistry and Technology of basic organic synthesis (EN) Master

1							2						
Nº	Course code	Title		Th	Pr	Ects	Nº	Course code	Title		Th	Pr	Ects
1	CHE 531	Stereochemistry and reaction mechanisms		2	1+0	6	1	CHE 532	Advanced organic technology		2	1+0	6
2	CHE 525	Research methods		3	0+0	6	2	CHE 536	Organic synthesis		2	1+0	6
3	CHE 533	Process design		2	1+0	6	3	CHE 538	Spectrometry		2	1+0	6
4	XXX XXX	[AE] Area elective course I #1		2	1+0	6	4	AZD 501	Academic writing and ethics		3	0+0	6
5	XXX XXX	[AE] Area elective course II #2		2	1+0	6	5	CHE 526	Research analytics		3	0+0	6
Subtotal: 30							Subtotal: 30						
3							4						
Nº	Course code	Title		Th	Pr	Ects	Nº	Course code	Title		Th	Pr	Ects
							1	CHE 670	Pedagogical Study		0	0+0	6
							2	CHE 690	Master Thesis		0	0+0	18
							3	CHE 680	Research Study		0	0+0	6
Subtotal: 0							Subtotal: 30						

Total ECTS credits: **90**

AE - Area Elective Courses

No	Course code	Title	Th	Pr	Ects
1	CHE 539	Advanced electrochemistry	2	1+0	6
2	CHE 537	Advanced thermodynamics	2	1+0	6
3	CHE 541	Fuels and their analysis methods	2	1+0	6
4	CHE 543	Modern physical investigation methods	2	1+0	6
5	CHE 609	Chemistry of Natural Products	2	0+0	6
6	CHE 619	Fundamentals of Process Safety	2	0+0	6
7	CHE 623	Advanced Catalysis and Catalytic Processes	2	0+0	6
8	CHE 602	Advanced Corrosion Engineering	2	0+0	4
9	CHE 615	Chemical Process Simulation	2	0+0	6
10	CHE 607	Persistent and Degradable Organic Pollutants	2	0+0	6
11	CHE 611	Advanced Chemical Reaction Engineering	2	0+0	6
12	CHE 605	Organometallic Chemistry	2	0+0	6
13	CHE 603	Advanced Biotechnology	2	0+0	6
14	CHE 613	Chemical Engineering Process Laboratory	0	0+0	6

NAE - Non-Area Elective Courses

No	Course code	Title	Th	Pr	Ects