

Curriculum – Sustainable Chemistry (Bachelor of Science)

Semester

1	12 ECTS 4L/1E/6P/1S Basic Chemistry SCBC	3 ECTS 3S English for Sci. SCENG	5 ECTS 3L/1E Mathematics SCMAT	4 ECTS 3L/1E Introduction to Computer Science SCICS	3 ECTS 3S Pathways to Sustain - ability. SCIND	4 ECTS 3L/1E Toxicology SCTOX	31 ECTS 30 SHW
2	8 ECTS 11P/1S Experimental Inorganic Chemistry SCIC2	10 ECTS 3L/2E/5P Quantitative Analysis SCQA	4 ECTS 3L/1E Physics SCPHY	3 ECTS 2L/1E Inorganic Chemistry SCIC1		4 ECTS 3L Thermodynamics and Electrochemistry SCTEC	29 ECTS 32 SHW
3	10 ECTS 3L/2S/4P Introduction to Organic Chemistry SCOC1	10 ECTS 4L/3S/3P Instrumental Analysis SCIA		3 ECTS 2L/1E	5 ECTS 4L/1E Green Chemistry SCGC	4 ECTS 3P/1S	32 ECTS 31 SHW
4	6 ECTS 2L/2P Chemical Kinetics and Dynamics SCCKD	8 ECTS 4L/1E Applied Theoretical Chemistry SCATC1	10 ECTS 3L/1E/1S/8P Reaction Mechanism SCOC2		5 ECTS 1S/4P		29 ECTS 27 SHW
5	10 ECTS 2L/2S/1E/6P Homogenous Catalysis SCOC3	5 ECTS 3L/2E Solid State Chemistry SCSSC	10 ECTS 2L/1E/7P Introduction to Sustainable Polymer Chemistry SCSPC	8 ECTS 4L/2E/2P Analytical Methods SCANME			33 ECTS 34 SHW
6	4 ECTS 3L/1E Renewable Materials SCRM	10 ECTS 10P Industrial Internship SCINTERN	12 ECTS Bachelor Thesis SCBA				26 ECTS 14 SHW

ECTS = European Credit Transfer and Accumulation System ("credit points")
 SHW = Semester hours per week
 L = Lecture, E = Exercise, S = Seminar, P = Practical course

180
ECTS