

Curriculum – Sustainable Chemistry (Bachelor of Science)

Semester

1	<div>12 ECTS 4L/1E/6P/1S</div> <div>Basic Chemistry SCBC</div>	<div>3 ECTS 3S</div> <div>English for Sci. SCENG</div>	<div>5 ECTS 3L/1E</div> <div>Mathematics SCMAT</div>	<div>4 ECTS 3L/1E</div> <div>Introduction to Computer Science SCICS</div>	<div>3 ECTS 3S</div> <div>Pathways to Sustain - ability. SCIND</div>	27 ECTS 26 SHW	
2	<div>8 ECTS 11P/1S</div> <div>Experimental Inorganic Chemistry SCIC2</div>	<div>10 ECTS 3L/2E/5P</div> <div>Quantitative Analysis SCQA</div>	<div>4 ECTS 3L/1E</div> <div>Physics SCPHY</div>	<div>3 ECTS 2L/1E</div> <div>Inorganic Chemistry SCIC1</div>	<div>4 ECTS 3L</div> <div>Thermodynamics and Electrochemistry SCTEC</div>	<div>4 ECTS 3L/1E</div> <div>Toxicology SCTOX</div>	33 ECTS 36 SHW
3	<div>10 ECTS 3L/2S/4P</div> <div>Introduction to Organic Chemistry SCOC1</div>	<div>10 ECTS 4L/3S/3P</div> <div>Instrumental Analysis SCIA</div>		<div>3 ECTS 2L/1E</div>	<div>4 ECTS 3P/1S</div>	<div>5 ECTS 4L/1E</div> <div>Green Chemistry SCGC</div>	32 ECTS 31 SHW
4	<div>6 ECTS 2L/2P</div> <div>Chemical Kinetics and Dynamics SCCKD</div>	<div>8 ECTS 4L/1E</div> <div>Applied Theoretical Chemistry SCATC1</div>	<div>10 ECTS 3L/1E/1S/8P</div> <div>Reaction Mechanism SCOC2</div>			<div>5 ECTS 1S/4P</div>	29 ECTS 27 SHW
5	<div>10 ECTS 2L/2S/1E/6P</div> <div>Homogenous Catalysis SCOC3</div>	<div>5 ECTS 3L/2E</div> <div>Solid State Chemistry SCSSC</div>	<div>10 ECTS 2L/1E/7P</div> <div>Introduction to Sustainable Polymer Chemistry SCSPC</div>	<div>8 ECTS 4L/2E/2P</div> <div>Analytical Methods SCANME</div>			33 ECTS 34 SHW
6	<div>4 ECTS 3L/1E</div> <div>Renewable Materials SCRM</div>	<div>10 ECTS 10P</div> <div>Industrial Internship SCINTERN</div>	<div>12 ECTS</div> <div>Bachelor Thesis SCBA</div>				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