Faculty of Building Services, Hydro and Environmental Engineering
Warsaw University of Technology

Environmental Engineering (EE)
BSc degree program

Year 1		Year 2		Year 3		Year 4	
Semester 1	**Semester 2**	**Semester 3**	**Semester 4**	**Semester 5**	**Semester 6**	**Semester 7**	**Semester 8**
HES (Work Environment Protection) (15L; 2 ECTS)	**Information Technology** (15L, 30C; 3 ECTS)	**HES (Basic of Law and Economy)** (30L; 2 ECTS)	**HES (Economics and Law in Environmental Eng.)** (30L, 15T; 3 ECTS)	**Fundamentals of Air Pollution** (30L, 15P; 4 ECTS)	**Meteorological Measurements and Remote Sensing** (15L, 15P; 3 ECTS)	**Air Pollution Dispersion Modelling** (15L, 30C; 4 ECTS)	**Diploma Seminar** (15T; 1 ECTS)
Mathematics - Algebra with Geometry (30L, 30T; 6 ECTS)	**Mathematics - Calculus II** (30L, 30T; 6 ECTS)	**Mathematics - Calculus III** (15L, 15T; 3 ECTS)	**Informatics II - MATLAB** (30C; 3 ECTS)	**Energy Systems and Environment** (30L, 15P; 4 ECTS)	**Integrated Water Resources Management** (15L, 30P; 5 ECTS)	**Renewable Energy Systems** (30L, 15P;4 ECTS)	**Professional internship** (8 weeks; 14 ECTS)
Mathematics - Calculus I (30L, 30T; 6 ECTS)	**Physics II** (15L, 30Lab; 5 ECTS)	**Statistics in Environmental Sciences** (15L, 15T; 3 ECTS)	**Fluid Mechanics (lab.)** (30Lab; 2 ECTS)	**Engineering Hydrology and Hydrogeology** (30L, 15P; 4 ECTS)	**Water Resources Protection** (30L, 15T, 15P; 5 ECTS)	**Environmental Impact Assessment** (30L, 15P;4 ECTS)	**BSc Eng Diploma** (15 ECTS)
Physics I (30L, 30T; 6 ECTS)	**Chemistry** (30L, 15T, 30Lab; 6 ECTS)	**Biology and Ecology (lab.)** (30Lab; 3 ECTS)	**Hydrology** (30L, 15P; 5 ECTS)	**Environmental Chemistry** (15L, 30L; 4 ECTS)	**Municipal and Industrial Wastewater Treatment** (15L, 30L; 4 ECTS)	**Spatial Planning and Sustainable Development** (15L; 2 ECTS)	
Environment Protection (30L; 3 ECTS)	**Biology and Ecology** (30L; 3 ECTS)	**Informatics I - AutoCAD** (15L, 30C; 3 ECTS)	**Meteorology** (30L, 15P; 5 ECTS)	**Environmental Biology** (15L, 30L; 4 ECTS)	**Building Heating Systems** (30L, 15P;4 ECTS)	**Technical Documentation** (15L; 2 ECTS)	
Descriptive Geometry (15L, 15P; 3 ECTS)	**Material Engineering** (15L, 30P; 3 ECTS)	**Thermodynamics** (30L, 15T; 4 ECTS)	**Soil Protection** (15L, 30Lab; 5 ECTS)	**Ventilation and air-conditioning systems** (30L, 15P; 3 ECTS)	**Elective Courses** (135 hours.; 9 ECTS)	**Elective Courses** (135 hours.; 9 ECTS)	
Technical Drawing (15P; 2 ECTS)	**Strength of Materials and Mechanics of Constructions** (30L, 15T, 15Lab; 4 ECTS)	**Fluid Mechanics** (30L, 15T; 4 ECTS)	**GIS** (15L, 30C; 3 ECTS)	**Solid Waste Management** (30L, 15P; 3 ECTS)		**Internship (before 7th semester)** (4 weeks; 5 ECTS)	
Surveying (15L, 15T; 2 ECTS)	**Physical Education (Sport) 2** (30T)	**Civil Engineering and Constructions** (30L, 15P; 4 ECTS)	**Foreign Language 2** (60T; 4 ECTS)	**Foreign Language 3** (60T; 4 ECTS)			
Physical Education (Sport) 1 (30T)		**Foreign Language 1** (60T; 4 ECTS)					
		Physical Education (Sport) 3 (30T)					
Total ECTS in semester: 30 **Total hours in semester: 330**	**Total ECTS in semester: 30** **Total hours in semester: 390**	**Total ECTS in semester: 30** **Total hours in semester: 390**	**Total ECTS in semester: 30** **Total hours in semester: 345**	**Total ECTS in semester: 30** **Total hours in semester: 375**	**Total ECTS in semester: 30** **Total hours in semester: 360**	**Total ECTS in semester: 30** **Total hours in semester: 300**	**Total ECTS in semester: 30** **Total hours in semester: 15**

LEGEND:
L = Lecture
T = Tutorials
Lab = Laboratory
P = Project

Basic Courses
(Number of hours in semester Type of classes; ECTS)

HES Courses
(Number of hours in semester Type of classes; ECTS)

Core Courses
(Number of hours in semester Type of classes; ECTS)

Elective Courses
(Number of hours in semester Type of classes; ECTS)

Elective Courses (*3 of 8*)	**Elective Courses** (*3 of 8*)
Biotechnology (15L, 30Lab; 3 ECTS)	**Ecotoxicology** (15L, 30Lab; 3 ECTS)
Hydrology of Urban Areas (15L, 30P; 3 ECTS)	**Hydrology of Small Drainage Basins** (15L, 30P; 3 ECTS)
Environmental Protection Management in Urban Areas (15L, 30P; 3 ECTS)	**Remote Sensing Imagery Processing** (15L, 30P; 3 ECTS)
Energy Audit of Buildings and Industry (15L, 30T; 3 ECTS)	**Rationalization of Heat and Energy Use** (15L, 30T; 3 ECTS)
CAD of Heating,Cooling and Water Supply Systems (15L, 30C; 3 ECTS)	**Building Heating Systems II** (15L, 30P; 3 ECTS)
Indoor Environment Engineering I (15L, 30P; 3 ECTS)	**Indoor Environment Engineering II** (15L, 30P; 3 ECTS)
Natural Gas Engineering (15L, 30C; 3 ECTS)	**Modelling and Simulation of Gas Networks** (15L, 30C; 3 ECTS)
Waste Treatment Engineering (15L, 30P; 3 ECTS)	**Waste Recycling and Reuse Technology** (15L, 30P; 3 ECTS)