

Overview of Bachelor modules in English 2021/22

Division/Module	ECTS	Semester Full time	Semester Part time	Semester occupational	Description
Automotive Engineering					
BTA3111-61	3	5			6 different Engineering Projects
BTA3212-62	4	6			6 different Engineering Projects
BTA3510-60	12	6			Thesis
Electrical Engineering and Information Technology					
BTE5034	4	4			Digital Signal Processing (only in Biel)
BTE5511	6	5		7	Project Management und System Engineering
BTE5520	4	6		8	Engineering Project
BTE5530	12	6		9	Thesis
Micro- and Medicaltechnology					
BTF5420	5	5	7		Robotics I
BTF5440	4	5	7		Robotics Lab
BTF6420	4	6	8		Robotics II
BTF5493	2	5	7		Medical image processing with MATLAB
BTF6510	4	6	8		Engineering Project
BTF6540	12	6	8		Thesis
Medical Informatics					
BTX8201	6	4	6		Project / Living Case I
BTX8202	6	5	8		Project / Living Case II
BTX8112	2	4	6		Seminar II
BTX8221	12	6	9		Thesis
Computer Science					
BTI2017	2	4	6		Advanced Software Engineering
BTI2018	2	3	7		Application Security
BTI7542	2	3	4	5	Modern Linux
BTI7545	2	5	7		Introduction to Cybercrime
BTI7269	3	6	7	8	Disk Forensik integrated in module BTI7263
BTI7267	3	5	7	7	Penetration of Web Sites integrated in module BTI7262
BTI7301	8	4	4	5	Informatics Project 1
BTI7302	4	5	7	8	Informatics Project 2
BTI7321	12	6	8	9	Thesis
Mechanical Engineering					
BTM3601	6	6	6		Robotics in Rehabilitation
BTM4001	6	5	9		Engineering Project 1
BTM4020	12	6	9		Thesis
Mathematics, Natural Sciences and Humanities					
BZG1308	2	4	5		Matlab/Octave applications
Industrial Engineering and Management Science					
BTW7102	4	2	2	ab FS2020	Project 2
BTW5204	4	2	4	ab FS2020	Computational Modeling 1
BTW7102	4	3	3	ab HS20/21	Project 3
BTW2302	4	3	5	ab HS20/21	Computational Modeling 2
BTW3306	4	3	3	ab HS20/21	Electronics
BTW7104	6	4	6	ab FS2021	Project 4
BTW1401	4	4	6	ab FS2021	Logistics and Supply Chain
BTW1402	4	4	6	ab FS2021	Organization and Change Management
BTW1301	4	4	4	ab FS2021	Strategic and Innovation Management
BTW2401	4	4	6	ab FS2021	Data Science
BTW2402	6	4	6	ab FS2021	IoT Design and Embedded Systems
BTW3305	4	4	4	ab FS2021	Actors and Sensors
BTW7105	6	5	7	ab HS21/22	Project 5
BTW2303	2	5	5	ab HS21/22	Conflict Management
BTW3501	4	5	7	ab HS19/20	Process Analysis and Optimization
BTW1502	2	5	5	ab HS19/20	Business Simulation
BTW9004	2	WM	WM	ab HS21/22	Sustainable Engineering
BTW9009	2	WM	WM	ab FS22	Machine and Business Ethics
BTW2404	2	WM	WM	ab FS22	Agent-based Modelling of Socio-Technical Systems
Industrial Engineering and Management Science (continued)					
BTW6551	6	5	7	ab HS19/20	Industrial Engineering 1
BTW6553	4	5	7	ab HS19/20	Industrial Engineering 2
BTW6552	4	5	7	ab HS19/20	Industry Project 1
BTW6652	6	6	8	ab FS2020	Industrial Engineering 3
BTW6651	6	6	8	ab FS2020	Industry Project 2
Business Engineering					
BTW6501	6	5	7	ab HS19/20	Business Engineering 1
BTW6503	4	5	7	ab HS19/20	Business Engineering 2
BTW6502	4	5	7	ab HS19/20	Business Project 1
BTW6601	6	6	8	ab FS2020	Business Project 2
BTW6602	6	6	8	ab FS2020	Business Engineering 3
BTW6699	12	6	8	ab FS2020	Bachelor Thesis

Block Week (KW3/2022)

Block Week (KW3/2021)