

UNIVERSITÄT
BAYREUTH



General Overview of English-Taught Courses at the University of Bayreuth

Available during the Summer Semester 2025



Engineering Science

Number	Course Title	Duration	Type	ECTS / Credits	Module Description
00062	Machine Learning in Materials Science	2	Lec	8	
00064	Machine Learning in Materials Science	2	Tut	8	
00134	Self-Assembling Biopolymers	2	Lec	5	
00135	Self-Assembling Biopolymers	2	Sem	5	
00136	Biochemistry for Engineers	2	Lec	4; 8	
00306	Physical Chemistry of Polymers	2	Tut	5	
00399	Fundamentals in Cell Biology	2	Lec	5	
00407	Fundamentals in Cell Biology	2	Tut	5	
00439	Polymer Materials: Technology of Polymer Modification	2	Lec	5	
00454	Polymer Synthesis/ Exercise	2	Tut	5	
00478	Biofabrication	2	Lec	5	
00652	Fundamentals of Electrical Engineering for Electro-chemical Energy Storage Systems	2	Lec	5	
00653	Fundamentals of Electrical Engineering for Electro-chemical Energy Storage Systems	2	Tut	5	
00672	Polymer Materials: Technology of Polymer Modification	2	Tut	5	
00698	Biofabrication (exercise)	2	Tut	5	
00746	Bioinspired Surfaces	2	Lec	5	
00752	Bioinspired Surfaces	2	Tut	5	
00780	Quality Management/ FTE2	2	Cs	5	
00799	Biotechnology / BIT	2	Lec	5	
00804	Biotechnology/WBI	2	Tut	5	

Number	Course Title	Duration	Type	ECTS / Credits	Module Description
00976	Biology for Engineers (compulsory subject)	2	Lec	4; 8	
00980	Optimization CAE 1	2	Lec	4; 5	
01009	Introduction in Polymer Science (subject Biofab)	2	Lec	3; 6	
01032	Innovation Management 1	2	Lec	3; 6	Students learn the process of innovation management. Hands-on case studies help understanding the keywords in vivid examples. As a final assignment, a trend report reviews the course content.
60009	Python + data tools for Non-Programmers	4	Lec + Tut	3; 5; 6; 8	
60043	Environmental + Resource Technology	2	Lec	5	
60520	Documentary seminar	2	Sem	-	
60668	Fundamentals of Materials Science for Electrochemical Energy Storage Systems	4	Lec	5	
60775	Fundamentals of Tissue Engineering/FTE1	2	Lec	5	
61262	Fluid mechanics	2	Tut	4; 5	

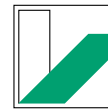
Key/Abbreviations:

Cs Course
Lec Lecture

Sem Seminar
Tut Tutorial

Please check availability of your chosen subject/course by contacting the respective faculty.

You can find contact details at www.uni-bayreuth.de/en/study



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