

Study plan Mechanical Engineering: 2018-2019

CPs	1. Semester	2. Semester	3. Semester	4. Semester	5. Semester	6. Semester	7. Semester	8. Semester				
1	Mathematics I 8 CP (4 UoIL, 4 UoIR)	Mathematics II 8 CP (4 UoIL, 4 UoIR)	Physics 8 CP (2 UoIL, 2 UoIR, 4 UoILab)	Measurement and Control 4 CP (2 UoIL, 1 UoIR, 1 UoILab)	Production Process Technology 6 CP (2 UoIL, 2 UoIR, 2 UoILab)	Engineering Mechanics V (Vibrations) 6 CP (2 UoIL, 2 UoIR)	Structural Durability and System Reliability 4 CP (2 UoIL, 1 UoIR)	Bachelor Thesis + Colloquium 12 CP				
2				Properties of Rocks 4 CP (2 UoIL, 2 UoIR)					Mechanical Process Engineering I 4 CP (1 UoIL, 1 UoIR, 1UoILab)	Virtual Product Design 4 CP (2 UoIL, 1 UoILab)	Production and Process Simulation 4 CP (1 UoIL, 2 UoILab)	
3								Fluid Mechanics 4 CP (2 UoIL, 2 UoIR)				Hydraulic and Pneumatic Drives 4 CP (2 UoIL, 1 UoIR)
4				Engineering Thermodynamics 4 CP (2 UoIL, 2 UoIR)					Scientific Methods 2 CP (2 UoIR)	Energy Systems 6 CP (2 UoIL, 1 UoIR, 1 UoIFt)	Open Pit Excavation + Underground Mining Machines 6 CP (3 UoIL, 3 UoIR)	
5								Chemistry 6 CP (4 UoIL, 2 UoIR)				Materials Science 6 CP (2 UoIL, 2 UoIR, 2 UoILab)
6				Engineering Mechanics I (Statics) 5 CP (2 UoIL, 2 UoIR)					Chemistry: Laboratory 4 CP (4 UoILab)	Engineering Design 4 CP (2 UoIL, 2 UoIR)	Engineering Mechanics III (Mechanics of Materials) 5 CP (2 UoL, 2 UoR)	
7								Introduction to Computer Science 4 CP (1 UoIL, 3 UoIL)				Engineering Mechanics II (Dynamics) 4 CP (2 UoIL, 2 UoIR)
8				Intercultural Communication and Competence 2 CP (2 UoIL)					Introduction to Geosciences 4 CP (2 UoIL, 2 UoIR)	Introduction to Economics 4 CP (2 UoIL, 2 UoIR)	Electives 3 CP	
9	Engineering Project (1 week) 2 CP	Technical English 3 CP (4 UoIR)	Electives 3 CP		Electives 3 CP	Electives 3 CP						
10				Electives 3 CP			Electives 3 CP	Electives 3 CP	Electives 3 CP			
11	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
12				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
13	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
14				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
15	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
16				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
17	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
18				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
19	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
20				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
21	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
22				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
23	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
24				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
25	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
26				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
27	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
28				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
29	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
30				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
31	Electives 3 CP	Electives 3 CP	Electives 3 CP		Electives 3 CP							
32				Electives 3 CP		Electives 3 CP	Electives 3 CP	Electives 3 CP				
CP total per semester	30	32	31		30				30	30	30	27