

## Industrial Engineering study plan

CPs	1st Semester	2nd Semester	3rd Semester	4th Semester	5th Semester	6th Semester	7th Semester	8th Semester
1	MATH110 Mathematics I 6 CP (6 UoIL)	MATH120 Mathematics II 8 CP (8 UoIL)	MECH210 Engineering Mechanics II (Dynamics) 4 CP (4 UoIL)	EEEJ221 Measurement, Instrumentation and Control Basics 4 CP (4 UoIL)	INDE311 Project Management 6 CP (6 UoIL)	INDE321 Fundamentals of Marketing Management 4 CP (4 UoIL)	INDE411 Finance for Engineers II 6 CP (6 UoIL)	INDE421 Fundamentals of Strategy and Decision Making 6 CP (6 UoIL)
2								
3								
4								
5								
6								
7	CHEM110 Chemistry 5 CP (3 UoIL, 2 UoIR)	MATS120 Materials Science 4 CP (4 UoIL)	THER210 Engineering Thermodynamics 4 CP (4 UoIL)	FLME220 Fluid Mechanics 4 CP (4 UoIL)	INDE312 Financial Accounting 4 CP (4 UoIL)	INDE322 International Logistics and Mining 4 CP (4 UoIL)	INDE412 Operation Management 6 CP (6 UoIL)	PROJ420 Final Study Project 6 CP (6 UoIL)
8								
9								
10								
11	GEOS110 Introduction to Geosciences 4 CP (4 UoIL)	MECH120 Engineering Mechanics I (Statics) 4 CP (4 UoIL)	DESN210 Engineering Design 4 CP (4 UoIL)	RREC220 Raw Materials & Recycling 4 CP (4 UoIL)	INDE313 Business Information Systems 6 CP (6 UoIL)	INDE323 Operations Research 6 CP (6 UoIL)	INDE413 Introduction to Organizational Behavior 4 CP (4 UoIL)	THES420 Bachelor Thesis + Colloquium 12 CP
12								
13								
14								
15	EEEJ111 Algorithm and Programming 4 CP (4 UoIL)	PHYS120 Physics 6 CP (1 UoIL, 1 UoIR, 4 UoLab)	ELEC210 Introduction to Electrical Engineering 4 CP (4 UoIL)	SCIM220 Scientific Methods 2 CP (2 UoIL)	ENSH314 Entrepreneurship 4 CP (4 UoIL)	INDE324 Finance for Engineers I 4 CP (4 UoIL)	INDE414 Quality Management 6 CP (6 UoIL)	
16								
17								
18								
19	ENSO110 Engineer in Society 2CP (2 UoIL)	CHEM120 Chemistry Lab 3 CP (3 UoIL)	MINE210 Introduction to Mining 4 CP (4 UoIL)	HSE220 Health-Safety- Environment 4 CP (4 UoIL)	INDE315 Supply Chain Management 6 CP (6 UoIL)	INTR320 Industrial Internship + Reflection 10 CP 14 weeks	STWR410 Scientific Writing 4 CP (4 UoIL)	
20								
21								
22								
23	PROJ110 Engineering Project 2 CP (2 UoIL)	IEMB120 Introduction to Engineering Management & BA 4 CP (4 UoIL)	ECON210 Introduction to Economics 4 CP (4 UoIL)	LAW220 Law 2 CP (2 UoIL)	INTR220 Basic Internship 2 CP			
24								
25								
26								
27	ENGL110 Technical English 4 CP (4 UoIL)							
28								
29								
30								
31	TIME110 Time Management 2 CP (2 UoIL)							
32								
33								
34								
Total CP	29	31	28	26	26	28	26	24

Legend:	CP =	Credit Points	Fundamentals	Specialization	General	Foreign Languages	Internship / Thesis	Electives
	UoI =	Unit of Instruction (45 min. per unit)		UoILab =	Unit of Instruction Laboratory			
	UoIL =	Unit of Instruction Lecture		UoIFt =	Unit of Instruction Field trip			
	UoIR =	Unit of Instruction Recitation						
<p><b>**Electives:</b> Every 3rd and 4th year student can choose professional engineering modules from the other programs as electives. Presupposed for participation and recognition of the elective module is that the required prerequisites of the chosen elective module already have been passed. Furthermore, the adjustment of the lecture times for attendance in the chosen elective modules can only be made by ASA in exceptional cases. The student must choose his subjects in such a way that participation in his program-related modules is not endangered or restricted.</p> <p><b>**** The total amount of CP's from Electives has to be minimum 24.</b></p>								