

Program of Undergraduate Education

Each course is defined with its code, name, language, type, credit and assigned ECTS credits.

Courses Types:

- Basic Science Course (TB)
- Basic Engineering Science Course (TM)
- Engineering Design Course (MT)
- Humanities and Social Science Course (ITB)

Language: **E** English

You can also search the course content from [ITU-SIS](#)

1. Semester									
Course Code	Course Name	ECTS	Credit Hours	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
BIL 101 E	Intr. to Comp. and Info. Sys.	3	2	1	2		2		
MAD 111	Intro. to Mining Eng.	3	1	1	0			1	
MAT 101	Mathematics I	8	5	4	2	5			
FIZ 101 E	Physics I	6	4	3	2	4			
RES 103	Technical Drawing (CAD)	5	3	2	2		3		
ING 101	English Course I	3	3	3	0				3
	TOTAL	28	18	14	8	9	5	1	3
2. Semester									
Course Code	Course Name	ECTS	Credit Hours	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
KIM 101	General Chemisrty I	6	4	3	2	4			
BIL 104 E	Intr. to Sci & Eng Comp.	5	3	2	2		3		
MAT 102	Mathematics II	8	5	4	2	5			
FIZ 102 E	Physics II	6	4	3	2	4			
ING102	English Course II	4	3	3					3
	2.yy Elective (ITB)	3	3	3					3
	TOTAL	32	22	18	8	13	3		6
3. Semester									
Course Code	Course Name	ECTS	Credit Hours	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
MAD 232	Surface Mining	4	2,5	2	1			2,5	
MAT 261	Linear Alcebra	4	3	3	0	3			
MAD 211	Mineralogy	5	2,5	2	1		2,5		
MEK 205	Eng. Mechanics	4	3	3	0		3		
MAD 241	Blasting Technology and Applications	5	2	2	0			2	
MAT 271 E	Probability and Statistics	3	3	3	0	3			
MAT 202	Numerical Methods	5	3	3	0	3			
	TOTAL	30	19	18	2	9	5,5	2,5	
4. Semester									

Course Code	Course Name	ECTS	Credit Hours	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
MAT 201	Differencial Equations	6	4	4	0	4			
ING 201	English III	3	3	3	0				3
JEO 112	General Geology	4	3	3	0		3		
MAD 252 E	Mining and Environmental	4	2.5	2	1			2.5	
JEO 331	Petrography	4	2.5	2	1		2.5		
MAD 243	Underground Mining	5	2.5	2	1			2.5	
	4.yy Elective courses (TB)	4	3	3	0	3			
	TOTAL	30	20,5	19	3	7	5,5	5	3

5. Semester

Course Code	Course Name	ECTS	Credit Hours	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
MAD 341	Mineral Processing I	5	2.5	1	3			2.5	
MAD 311	Geophysics	4	2	2	0		2		
MAD 361	Mineral Deposits	4	2	2	0		2		
MAD 371	Haulage Drainage in Mines	4	2.5	2	1			2.5	
MAD 351 E	Rock Mechanics	4	2.5	2	1		2.5		
TUR 101	Turkish I	2	2	2	0				2
	5.yy Elective courses (ITB)	3	3	3	0				3
	5.yy Elective courses (MT)	4	3	3	0			3	
	TOTAL	30	19.5	17	5		6.5	8	5

6. Semester

Course Code	Course Name	ECTS	Credit Hours	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
MAD 352	Mineral Processing II	5	3	2	2			3	
MAD 342 E	Hydraulic Power Systems in Mining	4	2	2	0			2	
MAD 322	Design of Supports in Mines and Tunnels	4	2.5	2	1			2.5	
MAD 312	Topography	5	3	2	2		3		
TUR 102	Turkish II	2	2	2	0				2
	6.yy Elective Course-tr (MT)	4	3	3	0			3	
	6.yy Elective Course-E (MT)	4	3	3	0			3	
	Practical Training(summer)	2							
	TOTAL	30	18.5	16	5		3	13.5	2

7. Semester

Course Code	Course Name	ECTS	Kredi	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
ATA 101	Revolutions History I	2	2	2	0				2
MAD 431	Coal Prep. and Technology	4	2	1	2			2	
MAD 411	Mining Machinery	5	2.5	2	1			2.5	
MAD 421	Mine Ventilation and Safety	5	2.5	2	1			2.5	
MAD 441 E	Mine System Analysis	4	2.5	2	1			2.5	
MAD 471	Electrotechniques in Mines	3	1.5	1	1			1.5	

	7.yy Elective Course (ITB)	3	3	3	0				3
	7.yy Elective Course (MT)	4	3	3	0			3	
	TOTAL	30	19	16	6			14	5
8. Semester									
Course Code	Course Name	ECTS	Kredi	Course Hours	App./Lab. Hours	TB	TM	MT	ITB
ATA 102	Revolutions History II	2	2	2	0				2
MAD 492	Graduation Project	8	3	0	6			3	
EKO 201	Economics	4	3	3	0				3
MAD 422	Mine Planning and Design	4	2	1	2			2	
MAD 432 E	Mech.in Min.and Tun.Ex.	4	2.5	2	1			2.5	
ETK 101	Engineering Etics	2	1	1	0				1
	8.yy Elective Course (MT)	4	3	3	0			3	
	Summer Training	2							
	TOTAL	30	16.5	12	9			10.5	6

[Total Study: 120 ECTS Credits]