

1st Year

1st Semester

CURRICULAR UNIT	WORKING HOURS		ECTS	OBS
	Total	Contact		
Calculus I	168	TP:45;OT:15	6	
Chemistry I	168	TP:24;P:24;PL:12	6	
Applied Programming	168	TP:45;PL:15	6	
Linear Algebra	168	T:30;P:30	6	
Introduction to Materials Engineering	168	T:35;P:15;S:5;OT:5	6	

2nd Semester

CURRICULAR UNIT	WORKING HOURS		ECTS	OBS
	Total	Contact		
CalculusII	168	TP:45;OT:15	6	
Mecanics and Waves	168	T:40;P:20	6	
Chemistry II	168	T:24;P:24;PL:12	6	
Materials Charaterizations I	168	T:20;PL:40	6	
Materials Structure and Phase Transformations	168	TP:60	6	

2nd Year

1st Semester

CURRICULAR UNIT	WORKING HOURS		ECTS	OBS
	Total	Contact		
Calculus III	168	TP:45;OT:15	6	
Probability and Statistics for Engineering	168	TP:45;OT:15	6	
Electromagnetism and Optics	168	T:40;P:30	6	
Materials Chemistry and Physics	168	T:35;PL:25	6	
Technical Drawing and Geometric Modeling	168	TP:45;OT:15	6	

2nd Semester

CURRICULAR UNIT	WORKING HOURS		ECTS	OBS
	Total	Contact		
Transfer Phenomena	168	T:30;P:30	6	
Corrosion and Protection of Materials	168	T:40;P:10;PL:10	6	
Physical Properties of Materials	168	T:40;P:10;PL10	6	
Interface Phenomena	168	T:30;P:20;PL:10	6	
Materials Characterization II	168	T:20;PL:40	6	

3rd Year

1st Semester

CURRICULAR UNIT

	WORKING HOURS		ECTS	OBS
	Total	Contact		
Metalic Materials	168	T:40;P:20	6	
Cellular Materials	168	T:40;P:20	6	
Ceramic and Glass Materials	168	T:40;P:20	6	
Polymeric Materials	168	T:40;P:10;PL:10	6	
Biomaterials	168	T:40;P:10;PL:10	6	Optional
Production Processes	168	T:40;PL:20	6	Optional
Materials of Energy	168	TP:60	6	Optional

2nd Semester

CURRICULAR UNIT

	WORKING HOURS		ECTS	OBS
	Total	Contact		
Strategic and Operational Management	84	TP:30	3	
Mechanics of Materials	168	T:40;P:10;PL:10	6	
Composite Materials	168	T:40;P:20	6	
Project of Materials	420	P:30;OT:30	15	