

STRUCTURE OF CURRICULUM / COURSE DISTRIBUTION

COMPULSORY COURSES

YEAR / SEMESTER	COURSES	CREDITS	HOURS	PREREREQUISITES
1/1	Seminar	2	2	
1/2	Seminar	2	2	
2/1	Seminar	2	2	
2/2	Seminar	2	2	

GENERAL ELECTIVE COURSES

YEAR / SEMESTER	COURSES	CREDITS	HOURS	PREREREQUISITES
1/1	Theory of Elasticity	3	3	
	Mechanical Metallurgy	3	3	
	Medical Image Processing	3	3	
	Special Issue of Electrode Mechining	3	3	
	Analysis and Prevention of Materials Failures	3	3	
	Medical MEMS	3	3	
	Biosensor Technology	3	3	
	Special Topics in Electronic/Optoelectronic Packaging	3	3	
	Neural Networks and Deep Learning	3	3	
	Biomedical Signal Analysis	3	3	

YEAR / SEMESTER	COURSES	CREDITS	HOURS	PREREREQUISITES
1/2	Biomechanics	3	3	
	Introduction to Solid Mechanics	3	3	
	Polymer Rheology	3	3	
	Electron Microscopy Analysis	3	3	
	Biomaterials Engineering	3	3	
	Design of Medical Device	3	3	
	Electrodynamics	3	3	
	Principle and Applications of Surface Plasmon	3	3	