College of Engineering

2023 FALL

BACHELOR

MASTER

PH.D

COURSE NO. & NAME	STUDY LEVEL	FIELD
1922 English for General Engineering (a)	В	Science and Engineering
1923 English for General Engineering (b)	В	Science and Engineering

Department of Civil Engineering

COURSE NO. & NAME	STUDY LEVEL	FIELD
2312 Engineering Mathematics (I) *	В	Science and Engineering
2368 Mechanics of Materials*	В	Science and Engineering
2369 Mechanics of Materials*	В	Science and Engineering
3094 Structural Theory (II)*	B	Science and Engineering
3306 Fluid Mechanics (II)*	В	Science and Engineering
6749 Numerical Modeling of Physical Systems in Civil Engineering	MP	Science and Engineering
6753 Groundwater and Seepage*	MP	Science and Engineering
6766 Signal Processing and Linear System Analysis	MP	Science and Engineering

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Indergraduate Program of Intellectual Creativity Engineer			
COURSE NO. & NAME	STUDY LEVEL	FIELD	
1304 Practical Applications of Artificial Intelligence*	В	Science and Engineering	
2226 Programming Languages	В	Science and Engineering	
2231 Introduction to Image Processing	В	Science and Engineering	
2276 Basic English for Science and Technology	В	Science and Engineering	
Department of Mechanical Engineering			
COURSE NO. & NAME	STUDY LEVEL	FIELD	
1289 Statics (Class a)*	В	Science and Engineering	

COURSE NO. & NAME	STUDY LEVEL	FIELD
1289 Statics (Class a)*	В	Science and Engineering
1290 Statics (Class b)*	В	Science and Engineering
2296 Thermodynamics (Class a)*	В	Science and Engineering
2297 Thermodynamics (Class b)*	В	Science and Engineering
2298 Engineering Mathematics (I)*	В	Science and Engineering
2299 Engineering Mathematics (I)	В	Science and Engineering
2306 Biology for Engineers and Computer Scientists*	В	Science and Engineering
2349 Materials Engineering (Class a)	В	Science and Engineering
2350 Materials Engineering (Class b)	В	Science and Engineering
3216 System Dynamics	В	Science and Engineering
3301 Mechanical Engineering Experimentation(II)	В	Science and Engineering
3365 Engineering Mathematics (III)	В	Science and Engineering

5116 Advanced Thermodynamics*	ВМ	Science and Engineering
5117 Precision Fabrication	ВМ	Science and Engineering
5125 Principles of Optics	BM	Science and Engineering
5133 Analysis of Mechanical Manufacturing	ВМ	Science and Engineering
5154 Data Analysis and Machine Learning	ВМ	Science and Engineering
5155 Bio Microelectromechanical Systems*	ВМ	Science and Engineering
6751 Seminar (I)	M	Science and Engineering
8222 Seminar(III)	P	Science and Engineering

Department of Environmental Engineering

COURSE NO. & NAME	STUDY LEVEL	FIELD
1300 Introduction to Environmental Science*	В	Science and Engineering
2324 Microbiology*	В	Agricltural and Biological Sciences
3308 Green Technology and Sustainable Development	В	Science and Engineering
3394 Wastewater Analysis	В	Agricltural and Biological Sciences
6788 Environmental Toxicology*	M	Science and Engineering
6790 Advanced Oxidation Processes for Water and Wastewater Treatment	M	Science and Engineering
6792 Physical Principle in Environmenta Engineering*	al M	Science and Engineering
6794 Biological Principle in Environmental Engineering*	M	Science and Engineering

Department of Chemical Engineering

COURSE NO. & NAME	STUDY LEVEL	FIELD
2320 Material and Energy Balances*	В	Science and Engineering
5110 An Introduction of Thin film Solar Cell*	ВМ	Science and Engineering
5165 Bioprocess Design and Its Applications	ВМ	Science and Engineering
6848 Advanced Kinetics in Chemical Engineering*	M	Science and Engineering
6850 Advanced Transport Phenomena*	M	Science and Engineering

Department of Materials Science and Engineering

COURSE NO. & NAME	STUDY LEVEL	FIELD
2344 Mechanics of Materials*	В	Science and Engineering

Graduate Institute of Precision Engineering

COURSE NO. & NAME	STUDY LEVEL	FIELD
6810 Nano Fabrication Technology*	M	Science and Engineering
6873 Microfabrication Technology*	M	Science and Engineering
6877 Finite Element for Micro System*	M	Science and Engineering
6878 Micro-Mechanical Machining Process*	M	Science and Engineering

Graduate Institute of Biomedical Engineering

COURSE NO. & NAME	STUDY LEVEL	FIELD
6884 Bio-Organic Chemistry*	M	AgricItural and Biological Sciences
6885 Medical Electronics*	M	AgricItural and Biological Sciences
6886 Introduction to Biomedical Engineering*	M	AgricItural and Biological Sciences
6887 Molecular Cell Biology*	M	AgricItural and Biological Sciences
6888 Theranostics (I)*	M	Agricltural and Biological Sciences
6889 Modern Optical Spectroscopy: With Exercises And Examples From Biophysi*	M	AgricItural and Biological Sciences
6890 Seminar (I)*	M	AgricItural and Biological Sciences
7405 Seminar (II)*	M	Agricltural and Biological Sciences
8206 Seminar(III)*	P	AgricItural and Biological Sciences
8208 Basic Anatomy and Physiology (I)	* P	AgricItural and Biological Sciences
8218 Biomaterials and Angiogenesis	P	AgricItural and Biological Sciences
9186 Seminar(IV)*	P	AgricItural and Biological Sciences

^{*} EMI (English as a Medium of Instruction)