

Course Name	Number	Notes	Term
Machine Learning for Biomedical Engineers and Biomechanics	BMEN 619.18	Not offered	Fall
Biomaterials & Biocompatibility	BMEN 619.33	Not offered	Fall
Statistics for BME	BMEN 619.36		Fall
Advanced Topics in Fluid Mechanics	ENCH 631		Fall
Advanced Cell and Tissue Engineering	ENCH 659	Not offered	Fall
Theory and Applications of the Finite Element Method	ENCI 653	Not offered	Fall
Virtual Environments and Applications	ENEL 602	Not offered	Fall
Non-linear Control	ENEL 615		Fall
Micro/Nano System Design, Fabrication and Integration	ENEL 616	Not offered	Fall
Experimental Design	ENEL 619.85	Not offered	Fall
Wireless Networks	ENEL 633		Fall
Data Mining & Machine Learning	ENEL 645		Fall
Analog Integrated Circuit Design	ENEL 647		Fall
Advanced Continuum Mechanics	ENME 653		Fall
Advanced Data Analytics	ENSF 619.01		Fall
Inverse Theory and Applications	GOPH 671	Not offered	Fall
Bone/Joint Biomechanics Osteoarthritis	KNES 664	Not offered	Fall
Biostatistics I: Essentials of Biostatistics	MDCH 610		Fall
Cardiovascular Physiology	MDSC 629.01		Fall
Medical Imaging Techniques	MDSC 689.01		Fall
Intro to Biostatistical Methods	VETM 605 / MDCH 605		Fall
Directed Study	MDSC 755		Fall/Winter
Joint Injury and Disease – Biomechanical Focus	MDSC 751.31		Spring
Digital Health	BMEN 619.37		Winter
Diagnostics	BMEN 619.38		Winter
Reproducible and Responsible AI	BMEN 619.45		Winter
Wearables and Haptics	CPSC 599.50/601.70	Not offered	Winter
Wearable Applications	CPSC 601.36	Not offered	Winter
Deep Learning for Vision	CPSC 601.76	Not offered	Winter
Chemical Reactor Design	ENCH 623	Not offered	Winter
Engineering Principles in Biotechnology	ENCH 673		Winter
Fundamentals of Biometric Systems Design	ENCM 509		Winter

Course Name	Number	Notes	Term
Biometric Technologies and System Design	ENEL 610	Not offered	Winter
Micro/Nano System Design, Fabrication and Integration	ENEL 616	Not offered	Winter
Biometric Tech & Sys Design	ENEL 619.76 / BMEN 619.16	Not offered	Winter
Advanced DSP processor Architecture	ENEL/ENCM 653	Not offered	Winter
Fundamentals of Optics and Optical Engineering	ENME 619	Not offered	Winter
Finite Element Method	ENME 647		Winter
Advanced Topics in Image Analysis and Machine Learning	ENSF 619.01		Winter
Image Analysis and Machine Learning	ENSF 619.03	Not offered	Winter
Control of Posture and Movement	KNES 603.43 (Lec 02)	Not offered	Winter
Statistical Techniques in Kinesiology	KNES 609		Winter
Advanced Muscle Mechanics	KNES 663		Winter
Machine Learning for Health Data Science	MDCH 615		Winter
Genes and Development	MDSC 609.02	Not offered	Winter
Cardiovascular Pathophysiology	MDSC 629.02		Winter
Basic Principles in Inflammation	MDSC 639.04	Not offered	Winter
Advanced Magnetic Resonance Imaging	MDSC 689.02		Winter
Advanced Medical Image Processing	MDSC 689.03		Winter
Medical Imaging Applications	MDSC 689.11		Winter
Advanced Topics in Stem Cell Biology and Regenerative Medicine	VETM 702		Winter