## Georgia Tech Engineering Electives 2025-26

## School of Chemical & Biomolecular Engineering (Standard Option)

Deformable Bodies CDE 2001	Course Title	Course No.		Course Title	Course No.
Microelectronics & Nanotech.Revol.   COE 3002   * Chemical Engineering of Energy Systems   CHBE 4030   Data Analytics for Engineers   AE 2020   * Bioprocess Engineering   CHBE 4030   Low Speed Aerodynamics   AE 2020   * Bioprocess Engineering   CHBE 4351   Introduction to Mechanics   AE 2120   * Product Design   CHBE 4353   Introduction to Mechanics   BMED 2400   * Complex Fluids   CHBE 4353   Intro. 10 Biomedical Systems and Modeling   BMED 3520   * Microfluidics & Bio-Applications   CHBE 4310   Intro. 10 Biometenials   BMED 3520   * Microfluidics & Bio-Applications   CHBE 4730   Intro. 10 Biometenials   BMED 4751   * Pulp & Paper Manufacturing   CHBE 4730   Environ. Engr. Principles   CEE 2040   * Emerging Tech in Forest Bioproducts   CHBE 4730   Environ. Engr. Principles   CEE 3000   * Data Data Malytics for Chemical Engineers   CHBE 4745   Environ. Engr. Systems   CEE 3000   * Data Analytics for Chemical Engineers   CHBE 4745   Environ. Engr. Systems   CEE 4300   * Data Data Malytics for Chemical Engineers   CHBE 4745   Environ. Engr. Systems   CEE 4330   * Biofluid Mechanics   CHBE 4757   Energy and Resource Recovery   CEE 4330   * Biofluid Mechanics   CHBE 4757   Energy and Resource Recovery   CEE 4330   * Biofluid Mechanics   CHBE 4759   Environ. Impact Assessment   CEE 4620   * Protein Engineering   CHBE 4762   Hirto. to Signal processing   CEE 2020   * Protein Engineering   CHBE 4762   Hirto. to Signal processing   CEE 2020   * Protein Engineering   CHBE 4762   Microelectronic Circuits   CEE 3001   * Polymer Science & Engineering   CHBE 4765   Energy Systems   CEE 3002   * Polymer Science & Engineering   CHBE 4765   Energy Systems   CEE 3004   * Polymer Science & Engineering   CHBE 4765   Energy Systems   CEE 3004   * Polymer Science & Engineering   CHBE 4762   Energy Systems   CEE 3005   * Mechanical Behavior of Composites   CHBE 4782   Energy Systems   CEE 3006   * Polymer Science & Engineering   CHBE 4703   Engineering Economy   Sive 2071   * Biosystems Analysis   CHBE 4803   Engineering Economy	Statics	COE 2001		Research (FR & SO); any School within CoE	XXXX 2699
Microelectronics & Nanotech.Revol.   COE 3002   * Chemical Engineering of Energy Systems   CHBE 4030   Data Analytics for Engineers   AE 2020   * Bioprocess Engineering   CHBE 4030   Low Speed Aerodynamics   AE 2020   * Bioprocess Engineering   CHBE 4351   Introduction to Mechanics   AE 2120   * Product Design   CHBE 4353   Introduction to Mechanics   BMED 2400   * Complex Fluids   CHBE 4353   Intro. 10 Biomedical Systems and Modeling   BMED 3520   * Microfluidics & Bio-Applications   CHBE 4310   Intro. 10 Biometenials   BMED 3520   * Microfluidics & Bio-Applications   CHBE 4730   Intro. 10 Biometenials   BMED 4751   * Pulp & Paper Manufacturing   CHBE 4730   Environ. Engr. Principles   CEE 2040   * Emerging Tech in Forest Bioproducts   CHBE 4730   Environ. Engr. Principles   CEE 3000   * Data Data Malytics for Chemical Engineers   CHBE 4745   Environ. Engr. Systems   CEE 3000   * Data Analytics for Chemical Engineers   CHBE 4745   Environ. Engr. Systems   CEE 4300   * Data Data Malytics for Chemical Engineers   CHBE 4745   Environ. Engr. Systems   CEE 4330   * Biofluid Mechanics   CHBE 4757   Energy and Resource Recovery   CEE 4330   * Biofluid Mechanics   CHBE 4757   Energy and Resource Recovery   CEE 4330   * Biofluid Mechanics   CHBE 4759   Environ. Impact Assessment   CEE 4620   * Protein Engineering   CHBE 4762   Hirto. to Signal processing   CEE 2020   * Protein Engineering   CHBE 4762   Hirto. to Signal processing   CEE 2020   * Protein Engineering   CHBE 4762   Microelectronic Circuits   CEE 3001   * Polymer Science & Engineering   CHBE 4765   Energy Systems   CEE 3002   * Polymer Science & Engineering   CHBE 4765   Energy Systems   CEE 3004   * Polymer Science & Engineering   CHBE 4765   Energy Systems   CEE 3004   * Polymer Science & Engineering   CHBE 4762   Energy Systems   CEE 3005   * Mechanical Behavior of Composites   CHBE 4782   Energy Systems   CEE 3006   * Polymer Science & Engineering   CHBE 4703   Engineering Economy   Sive 2071   * Biosystems Analysis   CHBE 4803   Engineering Economy	Deformable Bodies	COE 3001	*	Chem. Eng. in Nanoscale Sys.	CHBE 4020
Low Speed Aerodynamics	Microelectronics & Nanotech.Revol.	COE 3002			CHBE 4030
Low Speed Aerodynamics	Data Analytics for Engineers	COE 3803	*	Microelec Fabrication	CHBE 4050
Intro. Bioengr. Stats. BMED 3400 Biomedical Systems and Modeling BMED 3400 B	Low Speed Aerodynamics	AE 2020	*:	* Bioprocess Engineering	CHBE 4310
Biomedical Systems and Modeling   BMED 3520   Research (JR & SR); any School within CoE   XXXX 4699   Intro. to Biomechanics   BMED 3400   Microfluidides & Bio-Applications   CHBE 4720   Pup & Paper Manufacturing   CHBE 4720   Pup & Paper Manufacturing   CHBE 4730   CHBE 4735   CHBE 4736   C	Introduction to Mechanics	AE 2120	*	Product Design	CHBE 4535
Intro. to Biomechanics   BMED 3400   * Microfluidics & Bio-Applications   CHBE 4710   Intro. to Biomaterials   BMED 4751   * Pulp & Paper Manufacturing   CHBE 4720   Dynamics   CEE 2040   * Emerging Tech in Forest Bioproducts   CHBE 4730   Environ. Engr. Principles   CEE 2300   * Pundamentals of the Sustainable Chemical Industry   CHBE 4743   Civil Engr. Systems   CEE 3000   * Data-Driven Process Systems Engineering   CHBE 4745   Environ. Engr. Systems   CEE 4300   * Data-Driven Process Systems Engineering   CHBE 4745   Air Pollution Engr.   CEE 4300   * Data-Driven Process Systems Engineering   CHBE 4745   Air Pollution Engr.   CEE 4300   * Biofluid Mechanics   CHBE 4759   Energy and Resource Recovery   CEE 4360   * Electrochem Energy Storage and Conversion   CHBE 4759   Environ. Impact Assessment   CEE 4620   * Biocatalysis   CHBE 4760   Fund. of Digital System Design   ECE 2020   * Protein Engineering   CHBE 4765   Fund. of Digital System Design   ECE 2026   * Drug Design, Development & Delivery   CHBE 4765   Electromagnetics   ECE 3025   Pulp & Paper Lab   Microelectronic Circuits   ECE 3043   * Polymer Science & Engineering   CHBE 4775   Energy Systems   ECE 3072   * Biosystems Analysis   CHBE 4776   Energy Systems   ECE 3072   * Biosystems Analysis   CHBE 4791   Circuits and Microelectronics Lab   ECE 3741   * Composite Materials & Processes   CHBE 4791   Circuits & Electronic Lab   ECE 3741   * Composite Materials & Processes   CHBE 4791   Electromagnetic & Microwave Appl.   ECE 4350   * Aerosol Chemistry & Air Quality   CHBE 4803   Probability w/Applications   ISYE 3035   * Interfacial and Biomolecular Engineering   CHBE 4803   Engineering Economy   ISYE 3035   * Interfacial and Biomolecular Engineering   CHBE 4803   Methods of Quality Improvement   ISYE 3030   * Chem. Engin. Applications in Materials Production   CHBE 4803   Methods of Quality Improvement   ISYE 3030   * Chem. Engin. Applications in Materials Production   CHBE 4803   Methods of Guality Improvement   ISYE 3030   * Chem. Engin. Applicati	Intro. Bioengr. Stats.	<b>BMED 2400</b>	*	Complex Fluids	CHBE 4610
Intro. to Biomaterials Dynamics CEE 2040 Promaints CEE 2040 Fundamentals of the Sustainable Chemical Industry CEE 2040 Fundamentals of the Sustainable Chemical Industry CEE 3000 Fundamentals of the Sustainable Chemical Industry Civil Engr. Systems CEE 3000 CEE 4300 Fundamentals of the Sustainable Chemical Industry CHBE 4743 Civil Engr. Systems CEE 3000 CEE 4300 Data Analytics for Chemical Engineers CHBE 4745 Environ. Engr. Systems CEE 4330 Biofluid Mechanics CHBE 4757 Energy and Resource Recovery CEE 4330 Biofluid Mechanics CHBE 4757 Energy and Resource Recovery CEE 4620 Find. Of Digital System Design CHBE 4756 Environ. Impact Assessment CEE 4620 Protein Engineering CHBE 4766 CHBE 4767 Circuits And Microelectronics Lab CEC 3025 Fulp & Paper Lab Microelectronic Circuits CIC 3040 Polymer Science & Engineering I CHBE 4775 Circuits and Microelectronics Lab CEC 3072 Flowymer Science & Engineering I CHBE 4776 Circuits & Electronic Lab CEC 3072 Biosystems Analysis CHBE 4791 Circuits & Electronic Lab CEC 3710 Composite Materials & Manufacturing CHBE 4791 Circuits & Electronic Lab CEC 3710 Composite Materials & Manufacturing CHBE 4794 Electromagnetic & Microwave Appl. CEC 4350 Aerosol Chemistry & Air Quality CHBE 4803 Basic Statistical Methods Styfe 3030 CHBE 4803 Basic Statistical Methods Methods of Quality Improvement Styfe 3025 Intrefacial and Biomolecular Engineering CHBE 4803 Adetods of Quality Improvement Styfe 3079 Colloids and Surfaces Statistics & Applications Styfe 3770 Molecular Modeling CHBE 4803 Methods of Quality Improvement Styfe 3079 Colloids and Surfaces Statistics & Applications Styfe 3770 Molecular Modeling CHBE 4803 Methods of Design Materials MSE 3000 Methods of Design Materials MSE 3000 Methods of Design Materials MSE 3001	Biomedical Systems and Modeling	BMED 3520		Research (JR & SR); any School within CoE	XXXX 4699
Dynamics CEE 2040 * Emerging Tech in Forest Bioproducts CHBE 4730 Environ. Engr. Principles CEE 2300 * Pandamentals of the Sustainable Chemical Industry CHBE 4743 Civil Engr. Systems CEE 3000 * Data Analytics for Chemical Engineers CHBE 4745 Environ. Engr. Systems CEE 4300 * Data-Driven Process Systems Engineering CHBE 4745 Environ. Engr. Systems CEE 4300 * Data-Driven Process Systems Engineering CHBE 4746 Air Pollution Engr. CEE 4330 * Biofluid Mechanics CHBE 4759 Energy and Resource Recovery CEE 4360 * Electrochem Energy Storage and Conversion CHBE 4759 Environ. Impact Assessment CEE 4620 * Biocatalysis CHBE 4759 Environ. Impact Assessment CEE 4620 * Biocatalysis Environ. Impact Assessment CEE 4620 * Biocatalysis Environ. Of Digital System Design ECE 2026 * Protein Engineering CHBE 4766 Fund. Of Digital System Design ECE 2026 * Drug Design, Development & Delivery CHBE 4765 Electromagnetics ECE 3040 * Polymer Science & Engineering I CHBE 4767 Microelectronic Circuits ECE 3043 * Polymer Science & Engineering I CHBE 4776 Energy Systems ECE 3043 * Polymer Science & Engineering I CHBE 4776 Energy Systems ECE 3043 * Polymer Science & Engineering I CHBE 4776 Energy Systems ECE 3040 * Mechanical Behavior of Composites CHBE 4791 Instrum & Electronic Lab ECE 3101 * Composite Materials & Processes CHBE 4791 Instrum & Electronic Lab ECE 3710 * Composite Materials & Processes CHBE 4791 Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality CHBE 4803 Engineering Economy ISYE 3039 * Composite Materials & Processes CHBE 4803 Engineering Economy ISYE 3039 * Composite Materials & Processes CHBE 4803 Statistics & Applications ISYE 3039 * Composite Materials & Processes CHBE 4803 Engineering Economy ISYE 3039 * Composite Materials & Processes CHBE 4803 Statistics & Applications ISYE 3039 * Chem. Engin. Applications in Materials Production CHBE 4803 Statistics & Applications ISYE 3039 * Chem. Engin. Applications in Materials Production CHBE 4803 Match Abd Guality Improvement ISYE 3039 * Chem. Engin. Applicat	Intro. to Biomechanics	<b>BMED 3400</b>	*	Microfluidics & Bio-Applications	CHBE 4710
Environ. Engr. Principles CEE 3000 CEE 3000 Data Analytics for Chemical Engineers CHBE 4745 Environ. Engr. Systems CEE 4300 Air Pollution Engr. CEE 4300 CEE 4300 CEE 4300 CEE 4300 Air Pollution Engr. CEE 4300 CEE 4300 CEE 4300 CEE 4300 Biofluid Mechanics CHBE 4757 Energy and Resource Recovery CEE 4300 CEE 4300 CEE 4300 Biofluid Mechanics CHBE 4757 Energy and Resource Recovery CEE 4620 CEE 4620 Biocatalysis CHBE 4759 Fund, of Digital System Design CEE 2020 CITY To Signal processing CEE 3025 CITY To Signal processing CEE 3025 CITY To Signal processing CEE 3025 CITY To Signal processing CEE 3040 CITY To Signal processing CITY To Composite Materials & Manufacturing CHBE 4703 CITY To Composite Materials & Machanica Behavior of Composites CHBE 4703 CHBE 4703 CHBE 4704 CHBE 4705 CIT	Intro. to Biomaterials	BMED 4751	*	Pulp & Paper Manufacturing	CHBE 4720
Civil Engr. Systems CEE 3000 CEE 3000 Data Analytics for Chemical Engineers CHBE 4745 Environ. Engr. Systems CEE 4330 Biofluid Mechanics CHBE 4757 Energy and Resource Recovery CEE 4360 CEE 4360 File Electrochem Energy Storage and Conversion CHBE 4759 Environ. Impact Assessment CEE 4620 CHBE 4760 CHBE 4765 CHCLUTIS CHECK 4767 CHCLUTIS CICICUITS CICIC	Dynamics	CEE 2040	*	Emerging Tech in Forest Bioproducts	CHBE 4730
Environ. Engr. Systems  CEE 4300  * Data-Driven Process Systems Engineering  CHBE 4754 Air Pollution Engr.  CEE 4330  * Biofluid Mechanics  CHBE 4757 Energy and Resource Recovery  CEE 4360  * Electrochem Energy Storage and Conversion  CHBE 4759 Environ. Impact Assessment  CEE 4620  * Biocatalysis  CHBE 4760 Fund. Of Digital System Design  ECE 2020  * Protein Engineering  CHBE 4762 Intro. to Signal processing  ECE 2026  * Drug Design, Development & Delivery  CHBE 4765 Electromagnetics  ECE 3025  Pulp & Paper Lab  CHBE 4767 Microelectronic Circuits  ECE 3040  * Polymer Science & Engineering I  CHBE 4775 Circuits and Microelectronics Lab  ECE 3043  * Polymer Science & Engineering I  CHBE 4775 Circuits & Electronics Lab  ECE 3072  * Biosystems Analysis  CHBE 4775 Semiconductor Devices  ECE 3080  * Mechanical Behavior of Composites  CHBE 4791 Circuits & Electronic Lab  ECE 3710  * Composite Materials & Processes  CHBE 4794 Electromagnetic & Microwave Appl.  ECE 4350  * Aerosol Chemistry & Air Quality  CHBE 4803 Probability w/Applications  ISYE 2027  * Biorefining  CHBE 4803 Engineering Economy  ISYE 3030  * Chem. Engin. Applications in Materials Production  CHBE 4803 Methods of Quality Improvement  ISYE 3039  * Colloids and Surfaces  CHBE 4803 Introduction to Continuous Optimization  ISYE 3030  * Mechanical engineering  CHBE 4803 Introduction to Continuous Optimization  ISYE 3030  * Biomolecular Systems Engineering  CHBE 4803 Methods of Quality Improvement  ISYE 3030  * Chem. Engin. Applications in Materials Production  CHBE 4803 Introduction to Continuous Optimization  ISYE 3030  * Chem. Engin. Applications in Materials Production  CHBE 4803 Introduction to Continuous Optimization  ISYE 3030  * Electrochemical engineering  CHBE 4803 Introduction to Biomaterials  MSE 3000  * Electrochemical engineering  CHBE 4803 Introduction to Biomaterials  MSE 3001  * Electrochemical engineering  CHBE 4803 Introduction to Biomaterials  MSE 4751  * Adv. Optimization in Process Systems Engineering  CHBE 6750 Dynamics of Rigid Bodie	Environ. Engr. Principles	CEE 2300	*	Fundamentals of the Sustainable Chemical Industry	CHBE 4743
Air Pollution Engr. CEE 4330 * Biofluid Mechanics CHBE 4757 Energy and Resource Recovery CEE 4360 * Electrochem Energy Storage and Conversion CHBE 4759 Environ. Impact Assessment CEE 4620 * Biocatalysis Environ. Impact Assessment CEE 4620 * Biocatalysis Environ. Impact Assessment CEE 4620 * Protein Engineering CHBE 4760 Fund. Of Digital System Design ECE 2020 * Protein Engineering CHBE 4762 Intro. to Signal processing ECE 2026 * Drug Design, Development & Delivery CHBE 4765 Intro. to Signal processing ECE 3025 Pulp & Paper Lab Microelectronic Circuits ECE 3040 * Polymer Science & Engineering I CHBE 47767 Microelectronic Circuits ECE 3043 * Polymer Science & Engineering I CHBE 4776 Circuits and Microelectronics Lab ECE 3043 * Polymer Science & Engineering II CHBE 4776 Energy Systems ECE 3072 * Biosystems Analysis Semiconductor Devices ECE 3080 * Mechanical Behavior of Composites CHBE 4791 Circuits & Electronics ECE 3100 * Composite Materials & Processes CHBE 4793 Instrum & Electronic Lab ECE 3710 * Composite Materials & Processes CHBE 4793 Instrum & Electronic Lab ECE 3711 * Composite Materials & Manufacturing CHBE 4793 Instrum & Electronic Lab ECE 3741 * Composite Materials & Manufacturing CHBE 4793 Probability w/Applications ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803 Probability w/Applications ISYE 3030 * Chem Engin. Applications in Materials Production CHBE 4803 Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces Statistica Methods ISYE 3030 * Chem. Engin. Applications in Materials Production CHBE 4803 Methods of Quality Improvement ISYE 3770 * Molecular Modeling CHBE 4803 Introduction to Continuous Optimization ISYE 3323 * Nanoporous Materials Introduction to Gontinuous Optimization ISYE 3330 * Biomolecular Systems Engineering CHBE 4803 Introduction to Biomaterials MSE 3001 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 4803 Introduction to Biomaterials MSE 4740 * Prep. & Reac	Civil Engr. Systems	CEE 3000	*	Data Analytics for Chemical Engineers	CHBE 4745
Energy and Resource Recovery Environ. Impact Assessment CEE 4620 Environ. Impact Assessment CEE 4620 Environ. Impact Assessment CEE 4620 ECE 2020 EVERY AFGE Intro. to Signal processing ECE 2026 Electromagnetics ECE 2026 Electromagnetics ECE 3025 ELectromagnetics ECE 3040 ECE 3040 ECE 3040 ECE 3043 ECE 3043 ECE 3045 ENploymer Science & Engineering I ECE 4775 Energy Systems ECE 3043 ECE 3043 ECE 3045 ENJOymer Science & Engineering I ECHBE 4776 Energy Systems ECE 3043 ECE 3043 ECE 3045 ENJOymer Science & Engineering I ECHBE 4776 Energy Systems ECE 3043 ECE 3045 ENJOymer Science & Engineering I ECHBE 4776 Energy Systems ECE 3043 ECE 3047 ENJOymer Science & Engineering I ECHBE 4776 Energy Systems ECE 3043 ECE 3047 ENJOymer Science & Engineering I ECHBE 4776 Energy Systems ECE 3043 ECE 3047 ENJOymer Science & Engineering I ECHBE 4776 Energy Systems ECE 3043 ECE 3042 ECE 3043 ECE 3045 ECE 3045 ECE 3046 ECE 3046 ECE 3046 ECE 3047 ECE 3048 ECE 3049 ECE 3049 ECE 3040 ECE	Environ. Engr. Systems	CEE 4300	*	Data-Driven Process Systems Engineering	CHBE 4746
Environ. Impact Assessment  CEE 4620 * Biocatalysis Fund. Of Digital System Design ECE 2020 * Protein Engineering CHBE 4762 Intro. to Signal processing ECE 2026 * Drug Design, Development & Delivery CHBE 4765 Electromagnetics ECE 3025 Pulp & Paper Lab Circuits and Microelectronics Lab ECE 3040 * Polymer Science & Engineering I CHBE 4775 Circuits and Microelectronics Lab ECE 3043 * Polymer Science & Engineering I CHBE 4776 Energy Systems ECE 3072 * Biosystems Analysis Semiconductor Devices ECE 3080 * Mechanical Behavior of Composites CHBE 4792 Circuits & Electronics ECE 3710 * Composite Materials & Processes CHBE 4793 Instrum & Electronic Lab ECE 3711 * Composite Materials & Manufacturing CHBE 4794 Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality CHBE 4803 Probability w/Applications ISYE 2027 * Biorefining CHBE 4803 Engineering Economy ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803 Basic Statistical Methods ISYE 3030 * Chem. Engin. Applications in Materials Production CHBE 4803 Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803 Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials Introduction to Continuous Optimization ISYE 3030 * Electronemical Technology and Techniques CHBE 4803 Matls Characterization MSE 2021 * Engineering f Next-Gen Medical Devices CHBE 4803 Materials Science & Eng of Sports MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Materials Science & Eng of Sports MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Materials Science & Eng of Sports MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2120 * Advanced Biomaterials CHBE 6794 Reliation Physics NRE 3301 * Teste Engineering CHBE 6795 CHBE 6798 Elements of Nuclear Sci. and Engin. NRE 2120 * Reliation Physics * NRE 3301	Air Pollution Engr.	CEE 4330	*	Biofluid Mechanics	CHBE 4757
Fund. Of Digital System Design	Energy and Resource Recovery	CEE 4360	*	Electrochem Energy Storage and Conversion	CHBE 4759
Intro. to Signal processing ECE 2026 * Drug Design, Development & Delivery CHBE 4765 Electromagnetics ECE 3025 Pulp & Paper Lab CHBE 4767 Microelectronic Circuits ECE 3040 * Polymer Science & Engineering I CHBE 4775 Circuits and Microelectronics Lab ECE 3043 * Polymer Science & Engineering II CHBE 4775 Circuits and Microelectronics Lab ECE 3042 * Biosystems Analysis CHBE 4782 Semiconductor Devices ECE 3080 * Mechanical Behavior of Composites CHBE 4791 Circuits & Electronics ECE 3710 * Composite Materials & Moanufacturing CHBE 4791 Circuits & Electronic Lab ECE 3711 * Composite Materials & Manufacturing CHBE 4794 Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality CHBE 4803 Probability w/Applications ISYE 2027 * Biorefining CHBE 4803 Probability w/Applications ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803 Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces CHBE 4803 Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803 Stochastic Manufact & Svc. ISYE 3770 * Molecular Modeling CHBE 4803 Mats Characterization ISYE 3030 * Biomolecular Systems Engineering CHBE 4803 Mats Characterization MSE 2021 * Engineering of Next-Gen Medical Devices CHBE 4803 Mats Characterization MSE 3005 * Al for Chemical engineering Experiments CHBE 4803 Mats Science & Eng of Sports MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 CHBE 6750 Posign and Manufacture ME 3210 * Cellular Engineering CHBE 6794 Redical Devices CHBE 6794 Redical Only Cellular Engineering CHBE 6794 Redication Physics NRE 3301	Environ. Impact Assessment	CEE 4620	*	Biocatalysis	CHBE 4760
ElectromagneticsECE 3025Pulp & Paper LabCHBE 4767Microelectronic CircuitsECE 3040* Polymer Science & Engineering ICHBE 4775Circuits and Microelectronics LabECE 3043* Polymer Science & Engineering IICHBE 4775Energy SystemsECE 3072* Biosystems AnalysisCHBE 4782Semiconductor DevicesECE 3080* Mechanical Behavior of CompositesCHBE 4791Circuits & ElectronicsECE 3710* Composite Materials & ProcessesCHBE 4793Instrum & Electronic LabECE 3741* Composite Materials & ManufacturingCHBE 4794Electromagnetic & Microwave Appl.ECE 4350* Aerosol Chemistry & Air QualityCHBE 4803Probability W/ApplicationsISYE 3025* Interfacial and Biomolecular EngineeringCHBE 4803Engineering EconomyISYE 3025* Interfacial and Biomolecular EngineeringCHBE 4803Basic Statistical MethodsISYE 3030* Chem. Engin. Applications in Materials ProductionCHBE 4803Statistics & ApplicationsISYE 3770* Molecular ModelingCHBE 4803Stochastic Manufact & Svc.ISYE 3323* Nanoporous MaterialsCHBE 4803Introduction to Continuous OptimizationISYE 3803* Biomolecular Systems EngineeringCHBE 4803Matis CharacterizationMSE 2021* Engineering of Next-Gen Medical DevicesCHBE 4803Materials Science & Eng of SportsMSE 3300* Electrochemical engineering ExperimentsCHBE 4803Introduction to BiomaterialsMSE 3300* Electrochemical Technology and Techniqu	Fund. Of Digital System Design	ECE 2020	*	Protein Engineering	CHBE 4762
Microelectronic Circuits	Intro. to Signal processing	ECE 2026	*	Drug Design, Development & Delivery	CHBE 4765
Circuits and Microelectronics Lab ECE 3043 * Polymer Science & Engineering II CHBE 4776 Energy Systems ECE 3072 * Biosystems Analysis CHBE 4782 Semiconductor Devices ECE 3080 * Mechanical Behavior of Composites CHBE 4791 Circuits & Electronics ECE 3710 * Composite Materials & Processes CHBE 4793 Instrum & Electronic Lab ECE 3741 * Composite Materials & Manufacturing CHBE 4794 Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality CHBE 4803 Probability w/Applications Engineering Economy ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803 Basic Statistical Methods ISYE 3030 * Chem. Engin. Applications in Materials Production Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces Statistics & Applications ISYE 3770 * Molecular Modeling Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials Introduction to Continuous Optimization ISYE 3803 * Biomolecular Systems Engineering CHBE 4803 Matls Characterization MSE 2021 * Engineering of Next-Gen Medical Devices Methods of Materials MSE 3005 * Al for Chemical engineering Experiments CHBE 4803 Methods Characterization MSE 3005 * Al for Chemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials Elements of Nuclear Sci. and Engin. NRE 3210 * Cellular Engineering CHBE 6794 Radiation Physics NRE 3301	Electromagnetics	ECE 3025		Pulp & Paper Lab	CHBE 4767
Energy Systems ECE 3072 * Biosystems Analysis CHBE 4782 Semiconductor Devices ECE 3080 * Mechanical Behavior of Composites CHBE 4791 Circuits & Electronics ECE 3710 * Composite Materials & Processes CHBE 4793 Instrum & Electronic Lab ECE 3741 * Composite Materials & Processes CHBE 4793 Instrum & Electronic Lab ECE 3741 * Composite Materials & Manufacturing CHBE 4794 Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality CHBE 4803 Probability w/Applications ISYE 2027 * Biorefining CHBE 4803 Engineering Economy ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803 Basic Statistical Methods ISYE 3030 * Chem. Engin. Applications in Materials Production CHBE 4803 Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces CHBE 4803 Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803 Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials Introduction to Continuous Optimization ISYE 3803 * Biomolecular Systems Engineering CHBE 4803 Matls Characterization MSE 2021 * Engineering of Next-Gen Medical Devices CHBE 4803 Materials Science & Eng of Sports MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750 Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6777 Design and Manufacture ME 3210 * Cellular Engineering CHBE 6777 Design and Manufacture ME 3210 * Cellular Engineering CHBE 6782 Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6782 Elements of Nuclear Sci. and Engin. NRE 3301	Microelectronic Circuits	ECE 3040	*	Polymer Science & Engineering I	CHBE 4775
Semiconductor Devices ECE 3080 * Mechanical Behavior of Composites CHBE 4791 Circuits & Electronics ECE 3710 * Composite Materials & Processes CHBE 4793 Instrum & Electronic Lab ECE 3741 * Composite Materials & Manufacturing CHBE 4794 Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality CHBE 4803 Probability w/Applications ISYE 2027 * Biorefining Engineering Economy ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803 Basic Statistical Methods ISYE 3030 * Chem. Engin. Applications in Materials Production CHBE 4803 Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces CHBE 4803 Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803 Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials Introduction to Continuous Optimization ISYE 3803 * Biomolecular Systems Engineering CHBE 4803 Meth. Behavior of Materials MSE 2021 * Engineering of Next-Gen Medical Devices CHBE 4803 Materials Science & Eng of Sports MSE 3000 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750 Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6750 Design and Manufacture ME 3210 * Cellular Engineering CHBE 6794 Radiation Physics NRE 3301	Circuits and Microelectronics Lab	ECE 3043	*	Polymer Science & Engineering II	CHBE 4776
Circuits & Electronics	Energy Systems	ECE 3072	*	Biosystems Analysis	CHBE 4782
Electromagnetic & Microwave Appl. ECE 3741 * Composite Materials & Manufacturing CHBE 4794 Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality CHBE 4803 Probability w/Applications ISYE 2027 * Biorefining CHBE 4803 Engineering Economy ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803 Basic Statistical Methods ISYE 3030 * Chem. Engin. Applications in Materials Production CHBE 4803 Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces CHBE 4803 Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803 Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials CHBE 4803 Introduction to Continuous Optimization ISYE 3803 * Biomolecular Systems Engineering CHBE 4803 Matls Characterization MSE 2021 * Engineering of Next-Gen Medical Devices CHBE 4803 Materials Science & Eng of Sports MSE 3005 * Al for Chemical engineering Experiments CHBE 4803 Introduction to Biomaterials MSE 3005 * Adv. Optimization in Process Systems Engineering CHBE 6750 Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6750 Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794 Radiation Physics NRE 3301	Semiconductor Devices	ECE 3080	*	Mechanical Behavior of Composites	CHBE 4791
Electromagnetic & Microwave Appl. ECE 4350 * Aerosol Chemistry & Air Quality  Probability w/Applications ISYE 2027 * Biorefining CHBE 4803  Engineering Economy ISYE 3025 * Interfacial and Biomolecular Engineering CHBE 4803  Basic Statistical Methods ISYE 3030 * Chem. Engin. Applications in Materials Production CHBE 4803  Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces CHBE 4803  Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803  Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials CHBE 4803  Introduction to Continuous Optimization ISYE 3803 * Biomolecular Systems Engineering CHBE 4803  Matls Characterization MSE 2021 * Engineering of Next-Gen Medical Devices CHBE 4803  Materials Science & Eng of Sports MSE 3005 * Al for Chemical engineering Experiments CHBE 4803  Materials Science & Eng of Sports MSE 3300 * Electrochemical Technology and Techniques CHBE 4803  Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750  Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803  Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 4803  Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750  Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6750  Design and Manufacture ME 3210 * Cellular Engineering CHBE 6750  Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794  Radiation Physics NRE 3301	Circuits & Electronics	ECE 3710	*	Composite Materials & Processes	CHBE 4793
Probability w/Applications  ISYE 2027  * Biorefining  CHBE 4803  Engineering Economy  ISYE 3025  * Interfacial and Biomolecular Engineering  CHBE 4803  Basic Statistical Methods  ISYE 3030  * Chem. Engin. Applications in Materials Production  CHBE 4803  Methods of Quality Improvement  ISYE 3039  * Colloids and Surfaces  CHBE 4803  Statistics & Applications  ISYE 3770  * Molecular Modeling  CHBE 4803  Stochastic Manufact & Svc.  ISYE 3232  * Nanoporous Materials  Introduction to Continuous Optimization  ISYE 3803  Matls Characterization  MSE 2021  * Engineering of Next-Gen Medical Devices  CHBE 4803  Materials Science & Eng of Sports  MASE 3300  MSE 3300  * Electrochemical engineering Experiments  CHBE 4803  Introduction to Biomaterials  MSE 3300  * Electrochemical Technology and Techniques  CHBE 4803  Introduction to Biomaterials  MSE 4751  * Adv. Optimization in Process Systems Engineering  CHBE 4803  Biologically Inspired Design  MSE 4330  Tech. Leadership, Professionalism and Decision-making  CHBE 4803  Biologically Inspired Design  MSE 4740  * Prep. & Reactions - Polymers  CHBE 6750  Dynamics of Rigid Bodies  ME 2202  * Advanced Biomaterials  CHBE 6777  Design and Manufacture  ME 3210  * Cellular Engineering  CHBE 6794  Radiation Physics  NRE 3301	Instrum & Electronic Lab	ECE 3741	*	Composite Materials & Manufacturing	CHBE 4794
Engineering Economy  Basic Statistical Methods  ISYE 3030  * Chem. Engin. Applications in Materials Production  CHBE 4803  Methods of Quality Improvement  ISYE 3039  * Colloids and Surfaces  CHBE 4803  Statistics & Applications  ISYE 3770  * Molecular Modeling  CHBE 4803  Stochastic Manufact & Svc.  ISYE 3232  * Nanoporous Materials  Introduction to Continuous Optimization  ISYE 3803  Matls Characterization  MSE 2021  * Engineering of Next-Gen Medical Devices  CHBE 4803  Materials Science & Eng of Sports  MSE 3005  MSE 3300  * Electrochemical engineering Experiments  CHBE 4803  Introduction to Biomaterials  MSE 4751  * Adv. Optimization in Process Systems Engineering  CHBE 4803  Biologically Inspired Design  MSE 4740  * Prep. & Reactions - Polymers  CHBE 6750  Dynamics of Rigid Bodies  ME 2202  * Advanced Biomaterials  CHBE 6794  Radiation Physics  * Interfacial and Biomolecular Engineering  CHBE 4803  CHBE 4803  CHBE 4803  * Biologically Inspired Design  MSE 4740  * Prep. & Reactions - Polymers  CHBE 6794  Radiation Physics  * Tissue Engineering  CHBE 6794	Electromagnetic & Microwave Appl.	ECE 4350	*	Aerosol Chemistry & Air Quality	CHBE 4803
Basic Statistical Methods ISYE 3030 * Chem. Engin. Applications in Materials Production CHBE 4803 Methods of Quality Improvement ISYE 3039 * Colloids and Surfaces CHBE 4803 Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803 Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials CHBE 4803 Introduction to Continuous Optimization ISYE 3803 * Biomolecular Systems Engineering CHBE 4803 Matls Characterization MSE 2021 * Engineering of Next-Gen Medical Devices CHBE 4803 Mech. Behavior of Materials MSE 3005 * Al for Chemical engineering Experiments CHBE 4803 Introduction to Biomaterials MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750 Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6777 Design and Manufacture ME 3210 * Cellular Engineering CHBE 6782 Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794 Radiation Physics NRE 3301	Probability w/Applications	ISYE 2027	*	Biorefining	CHBE 4803
Methods of Quality ImprovementISYE 3039* Colloids and SurfacesCHBE 4803Statistics & ApplicationsISYE 3770* Molecular ModelingCHBE 4803Stochastic Manufact & Svc.ISYE 3232* Nanoporous MaterialsCHBE 4803Introduction to Continuous OptimizationISYE 3803* Biomolecular Systems EngineeringCHBE 4803Matls CharacterizationMSE 2021* Engineering of Next-Gen Medical DevicesCHBE 4803Mech. Behavior of MaterialsMSE 3005* Al for Chemical engineering ExperimentsCHBE 4803Materials Science & Eng of SportsMSE 3300* Electrochemical Technology and TechniquesCHBE 4803Introduction to BiomaterialsMSE 4751* Adv. Optimization in Process Systems EngineeringCHBE 6750Fund. of Nanomater. & Struct.MSE 4330Tech. Leadership, Professionalism and Decision-makingCHBE 4803Biologically Inspired DesignMSE 4740* Prep. & Reactions - PolymersCHBE 6750Dynamics of Rigid BodiesME 2202* Advanced BiomaterialsCHBE 6777Design and ManufactureME 3210* Cellular EngineeringCHBE 6782Elements of Nuclear Sci. and Engin.NRE 2120* Tissue EngineeringCHBE 6794Radiation PhysicsNRE 3301	Engineering Economy	ISYE 3025	*	Interfacial and Biomolecular Engineering	CHBE 4803
Statistics & Applications ISYE 3770 * Molecular Modeling CHBE 4803 Stochastic Manufact & Svc. ISYE 3232 * Nanoporous Materials Introduction to Continuous Optimization ISYE 3803 * Biomolecular Systems Engineering CHBE 4803 Matls Characterization MSE 2021 * Engineering of Next-Gen Medical Devices CHBE 4803 Mech. Behavior of Materials MSE 3005 * Al for Chemical engineering Experiments CHBE 4803 Materials Science & Eng of Sports MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750 Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6777 Design and Manufacture ME 3210 * Cellular Engineering CHBE 6794 Radiation Physics NRE 3301	Basic Statistical Methods	ISYE 3030	*	Chem. Engin. Applications in Materials Production	CHBE 4803
Stochastic Manufact & Svc.  ISYE 3232  * Nanoporous Materials  CHBE 4803  Introduction to Continuous Optimization  MSE 2021  * Engineering of Next-Gen Medical Devices  MSE 3005  MALS Characterization  MSE 3005  * Al for Chemical engineering Experiments  CHBE 4803  Materials Science & Eng of Sports  MSE 3300  * Electrochemical Technology and Techniques  Introduction to Biomaterials  MSE 4751  * Adv. Optimization in Process Systems Engineering  CHBE 6750  Fund. of Nanomater. & Struct.  MSE 4330  Biologically Inspired Design  MSE 4740  * Prep. & Reactions - Polymers  CHBE 6750  Dynamics of Rigid Bodies  ME 2202  * Advanced Biomaterials  CHBE 6777  Design and Manufacture  ME 3210  * Cellular Engineering  CHBE 6794  Radiation Physics  * Nanoporous Materials  CHBE 4803  CHBE 4803  CHBE 4803  CHBE 4803  CHBE 4803  CHBE 6750  CHBE 6750  CHBE 6750  CHBE 6750  CHBE 6794  Radiation Physics	Methods of Quality Improvement	ISYE 3039	*	Colloids and Surfaces	CHBE 4803
Introduction to Continuous Optimization  ISYE 3803  * Biomolecular Systems Engineering  MSE 4803  Matls Characterization  MSE 2021  * Engineering of Next-Gen Medical Devices  CHBE 4803  Mech. Behavior of Materials  MSE 3005  * Al for Chemical engineering Experiments  CHBE 4803  Materials Science & Eng of Sports  MSE 3300  * Electrochemical Technology and Techniques  Introduction to Biomaterials  MSE 4751  * Adv. Optimization in Process Systems Engineering  CHBE 4803  Robbit 4750  Fund. of Nanomater. & Struct.  MSE 4330  Biologically Inspired Design  MSE 4740  * Prep. & Reactions - Polymers  CHBE 6750  Dynamics of Rigid Bodies  ME 2202  * Advanced Biomaterials  CHBE 6777  Design and Manufacture  ME 3210  * Cellular Engineering  CHBE 6794  Radiation Physics  NRE 3301	Statistics & Applications	ISYE 3770	*	Molecular Modeling	CHBE 4803
Matls CharacterizationMSE 2021* Engineering of Next-Gen Medical DevicesCHBE 4803Mech. Behavior of MaterialsMSE 3005* Al for Chemical engineering ExperimentsCHBE 4803Materials Science & Eng of SportsMSE 3300* Electrochemical Technology and TechniquesCHBE 4803Introduction to BiomaterialsMSE 4751* Adv. Optimization in Process Systems EngineeringCHBE 6750Fund. of Nanomater. & Struct.MSE 4330Tech. Leadership, Professionalism and Decision-makingCHBE 4803Biologically Inspired DesignMSE 4740* Prep. & Reactions - PolymersCHBE 6750Dynamics of Rigid BodiesME 2202* Advanced BiomaterialsCHBE 6777Design and ManufactureME 3210* Cellular EngineeringCHBE 6782Elements of Nuclear Sci. and Engin.NRE 2120* Tissue EngineeringCHBE 6794Radiation PhysicsNRE 3301	Stochastic Manufact & Svc.	ISYE 3232	*	Nanoporous Materials	CHBE 4803
Mech. Behavior of Materials  MSE 3005  * Al for Chemical engineering Experiments  MSE 4803  Materials Science & Eng of Sports  Introduction to Biomaterials  MSE 4751  * Adv. Optimization in Process Systems Engineering  Fund. of Nanomater. & Struct.  MSE 4330  Biologically Inspired Design  MSE 4740  * Prep. & Reactions - Polymers  CHBE 6750  Dynamics of Rigid Bodies  ME 2202  * Advanced Biomaterials  CHBE 6777  Design and Manufacture  ME 3210  * Cellular Engineering  CHBE 6794  Radiation Physics  * Tissue Engineering  CHBE 6794	Introduction to Continuous Optimization	ISYE 3803	*	Biomolecular Systems Engineering	CHBE 4803
Materials Science & Eng of Sports MSE 3300 * Electrochemical Technology and Techniques CHBE 4803 Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750 Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6777 Design and Manufacture ME 3210 * Cellular Engineering CHBE 6782 Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794 Radiation Physics NRE 3301	Matls Characterization	MSE 2021	*	Engineering of Next-Gen Medical Devices	CHBE 4803
Introduction to Biomaterials MSE 4751 * Adv. Optimization in Process Systems Engineering CHBE 6750 Fund. of Nanomater. & Struct. MSE 4330 Tech. Leadership, Professionalism and Decision-making CHBE 4803 Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750 Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6777 Design and Manufacture ME 3210 * Cellular Engineering CHBE 6782 Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794 Radiation Physics NRE 3301	Mech. Behavior of Materials	MSE 3005	*	Al for Chemical engineering Experiments	CHBE 4803
Fund. of Nanomater. & Struct.  MSE 4330  Biologically Inspired Design  MSE 4740  Prep. & Reactions - Polymers  CHBE 4803  Prep. & Reactions - Polymers  CHBE 6750  CHBE 6750  CHBE 6777  CHBE 6777  Design and Manufacture  ME 3210  CHBE 6782  Elements of Nuclear Sci. and Engin.  NRE 2120  NRE 3301  Tech. Leadership, Professionalism and Decision-making  CHBE 4803  CHBE 6750  CHBE 6777  CHBE 6777  CHBE 6794  Radiation Physics  NRE 3301	Materials Science & Eng of Sports	MSE 3300	*	Electrochemical Technology and Techniques	CHBE 4803
Biologically Inspired Design MSE 4740 * Prep. & Reactions - Polymers CHBE 6750  Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6777  Design and Manufacture ME 3210 * Cellular Engineering CHBE 6782  Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794  Radiation Physics NRE 3301	Introduction to Biomaterials	MSE 4751	*	Adv. Optimization in Process Systems Engineering	CHBE 6750
Dynamics of Rigid Bodies ME 2202 * Advanced Biomaterials CHBE 6777  Design and Manufacture ME 3210 * Cellular Engineering CHBE 6782  Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794  Radiation Physics NRE 3301	Fund. of Nanomater. & Struct.	MSE 4330		Tech. Leadership, Professionalism and Decision-making	CHBE 4803
Design and Manufacture ME 3210 * Cellular Engineering CHBE 6782 Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794 Radiation Physics NRE 3301	Biologically Inspired Design	MSE 4740	*	Prep. & Reactions - Polymers	CHBE 6750
Elements of Nuclear Sci. and Engin. NRE 2120 * Tissue Engineering CHBE 6794 Radiation Physics NRE 3301	Dynamics of Rigid Bodies	ME 2202	*	Advanced Biomaterials	CHBE 6777
Radiation Physics NRE 3301	Design and Manufacture	ME 3210	*	Cellular Engineering	CHBE 6782
,	Elements of Nuclear Sci. and Engin.	NRE 2120	*	Tissue Engineering	CHBE 6794
Plasma Phys. & Fusion Engr. NRE 4610	Radiation Physics	NRE 3301			
	Plasma Phys. & Fusion Engr.	NRE 4610			

<sup>\*</sup> These CHBE classes can be applied as CHBE or Engineering Electives.

Up to 3 credit hours of Engineering Electives may be taken at the 2000 level; at least 3 credit hours must be taken at the 3000 level or higher.

Undergraduate research (XXXX 2699 and/or XXXX 4699) may be used as Engineering Electives in Standard Option if the research is performed within the College of Engineering, XXXX = CHBE/BME/ME/MSE/etc. Please see your academic advisor for additional rules governing research.

Any XXXX 480X Special Topics course (e.g. CHBE 4801 or MSE 4803) other than the specific course titles listed above must be approved as Engineering Elective by the Associate Chair for Undergraduate Studies in ChBE.

No two courses will be allowed towards satisfying the BS-CHBE degree requirements if there is more than 20% overlap in course Approval of other College of Engineering courses as Engineering Elective will be at the discretion of the Associate Chair for Undergraduate Studies in ChBE based on written request that includes a course syllabus.

<sup>\*\*</sup> CHBE 4310 is a required class for Biotechnology concentration; it can be a CHBE or technical engineering elective for standard You are required to take 6 total hours of Engineering Electives in the Standard Option.