

Software Engineering Electives

EL BUS - Business Elective

- BA 1220 - Microeconomics
- BA 1227 - Global Business
- BA 2015 - Business Analytics I
- BA 2220 - Foundations of Business Economics
- BA 2222 - Macroeconomics
- BA 2225 - Health Care Economics
- BA 2331 - Business Law
- BA 3015 - Business Analytics II
- BA 3998 - Business Internship
- BA 4330 - Legal Aspects of Innovation and Entrepreneurship:
- BA 4344 - Business and Government Relations
- BA 4348 - Employment Law
- BA 4350 - Business Startups for Entrepreneurs
- BA 4960 - Selected Topics in Business
- BA 4970 - Practicum in Entrepreneurship
- BA 4975 - Applied Servant Leadership - Business Solutions
- BA 4990 - Business Strategy
- BA 4999 - Independent Study
- BA 2401 - Project Management
- BA 2440 - Production Management
- BA 2442 - Management
- BA 3411 - Leading Project Teams
- BA 3423 - Innovation and Business Markets
- BA 3440 - Business Communication and Commerce
- BA 3444 - Organizational Behavior and Leadership
- BA 3447 - Leadership
- BA 3491 - Supply Chain Management

- BA 3801 - Continuous Improvement I
- BA 3803 - Continuous Improvement II
- BA 3805 - Six Sigma Techniques
- BA 3895 - International Logistics
- BA 4820 - Enterprise Resource Planning
- BA 4850 - Telecommunications
- BA 2501 - Finance I
- BA 2503 - Finance II
- BA 2505 - Finance III
- BA 2510 - Introduction to Accounting
- BA 2530 - Introduction to Finance
- BA 2550 - Corporate Finance
- BA 3580 - Managerial Accounting and Costing
- BA 3591 - Intermediate Accounting
- BA 3593 - Intermediate Finance
- BA 3595 - Intermediate Accounting II
- BA 4501 - Management Control Systems
- BA 4502 - Accounting Ethics
- BA 4510 - Business Tax Planning
- BA 4512 - Business Tax Planning II
- BA 4520 - Investment and Portfolio Analysis
- BA 4530 - Personal Finance & Planning
- BA 4550 - Auditing
- BA 4570 - Accounting Information Systems
- BA 4575 - Accounting Analytics and Artificial Intelligence
- BA 4580 - Advanced Managerial Accounting
- BA 4590 - Advanced Accounting and Research
- BA 2661 - Marketing
- BA 3630 - Social Media Marketing Strategies
- BA 4601 - International Marketing and Export Management
- BA 4620 - Technical Selling
- BA 4622 - Psychology of Sales
- BA 4624 - Sales Process and Pipeline
- BA 4626 - Networking and Prospecting

- BA 4628 - Forecasting
- BA 4650 - Branding and Brand Management
- BA 4667 - Marketing Research
- BA 4668 - Promotion and Advertising Strategies
- BA 4669 - Consumer Behavior
- BA EL1 - Business Elective
- BA EL2 - Business Elective
- BUS 2001 - Personal and Professional Development
- BUS 2010 - Business Analysis and Data Storytelling
- BUS 2100 - Organizational Management
- BUS 2221 - Microeconomics
- BUS 2222 - Macroeconomics
- BUS 2225 - Health Care Economics
- BUS 2330 - Business Law
- BUS 2411 - Building Inclusive Teams
- BUS 2445 - Global Business
- BUS 2450 - Business Operations
- BUS 2510 - Principles of Financial Accounting
- BUS 2530 - Introduction to Finance
- BUS 2660 - Marketing
- BUS 2900 - Character in the Business Professions
- BUS 3010 - Business Analytics
- BUS 3200 - Principles of Economics and Financial Decision-Making
- BUS 3400 - Project Management
- BUS 3420 - Innovation and Entrepreneurship
- BUS 3445 - Leadership Communication
- BUS 3560 - Managerial Cost Accounting
- BUS 3580 - Intermediate Accounting I
- BUS 3585 - Intermediate Accounting II
- BUS 3593 - Intermediate Finance and Portfolio Theory
- BUS 3600 - Advanced Financial Analysis
- BUS 3650 - Branding and Brand Management
- BUS 3670 - Marketing Research
- BUS 3800 - Continuous Improvement

- BUS 3805 - Lean-Six Sigma Techniques
- BUS 3820 - Planning, Scheduling, and Control
- BUS 3890 - Supply Chain Management
- BUS 4310 - Legal Aspects of Innovation and Entrepreneurship
- BUS 4320 - Business Startups for Entrepreneurs
- BUS 4340 - Cultivating Your Entrepreneurial Mindset
- BUS 4490 - Human Resources
- BUS 4500 - Management Control Systems and Advanced Managerial Accounting
- BUS 4510 - Tax Planning and Research
- BUS 4530 - Personal Financial Planning
- BUS 4550 - Auditing and Advanced Accounting
- BUS 4560 - Accounting Ethics
- BUS 4570 - Accounting Information Systems
- BUS 4575 - Accounting Analytics and Artificial Intelligence
- BUS 4620 - The Psychology of Sales
- BUS 4630 - Sales Process and Pipeline
- BUS 4640 - Sales Networking and Prospecting
- BUS 4660 - Digital Marketing
- BUS 4680 - Advertising and Promotion Strategies
- BUS 4690 - Consumer Behavior
- BUS 4820 - Enterprise Resource Planning
- BUS 4900 - Forecasting and Strategy

EL CHBI - Chemistry/Biology Elective

- BI 102 - Cell Biology and Genetics
- CH 200 - Chemistry I
- CH 200A - Chemistry I
- CH 200B - Chemistry I
- BIO 1110 - Cell Biology and Genetics
- CHM 1010 - Chemistry I

EL Free - Free Elective

- CE 1901 - Digital Logic 1
- CE 1911 - Digital Logic 2
- CE 1921 - Computer Architecture
- CE 2801 - Embedded Systems I
- CE 2812 - Embedded Systems II
- CE 2820 - Embedded Systems III
- CE 3101 - Digital Electronics and Computer Interfacing
- CE 3200 - Wireless Sensor Networks
- CE 4100 - Embedded System Fabrication
- CE 4800 - Advanced Digital Design
- CE 493 - Advanced Digital Design
- CE 4930 - Computer Architecture II
- CE 4940 - VLSI Design Techniques
- CE 4951 - Networking I
- CE 4961 - Networking II
- CE 4970 - Topics in Computer Engineering with Laboratory
- CE 498 - Topics in Computer Engineering
- CE 499 - Independent Study
- CS 1011 - Software Development I
- CS 1021 - Software Development II
- CS 2040 - Programming in C and C++
- CS 2300 - Computational Science
- CS 2400 - Introduction to Artificial Intelligence
- CS 2711 - Computer Organization
- CS 2852 - Data Structures
- CS 2911 - Network Protocols
- CS 3040 - Programming Languages and Translators
- CS 3300 - Data Science
- CS 3310 - Data Science Practicum
- CS 3400 - Machine Learning
- CS 3450 - Deep Learning
- CS 3840 - Operating Systems
- CS 3841 - Design of Operating Systems
- CS 3851 - Algorithms

- CS 3860 - Database Systems
- CS 4210 - Advanced Computer Graphics
- CS 4230 - Distributed and Cloud Computing
- CS 4830 - Computer Vision
- CS 4850 - Machine Learning
- CS 4860 - C# and Program Language Design
- CS 4881 - Artificial Intelligence
- CS 4920 - Information Security
- CS 4980 - Topics in Computer Science
- CS 4981 - Topics in Computer Science with Laboratory
- CS 4999 - Independent Study
- CS 5980 - Topics in Computer Science
- CS 5981 - Topics in Computer Science with Lab
- CS 150 - Intro to Computer Programming
- CS 498 - Topics in Computer Science
- EE 1000 - Introduction to Electrical Engineering
- EE 1910 - Introduction to Embedded Systems Programming
- EE 201 - Linear Networks: Steady-State Analysis
- EE 2050 - Linear Circuits - Steady State I
- EE 2980T - Electrical Engineering Topic: Transition Circuits Course
- EE 2060 - Linear Circuits - Steady State II
- EE 2070 - Linear Circuits - Transients
- EE 2510 - Introduction to Object-Oriented Programming
- EE 2715 - Linear Circuits II: Transients
- EE 2725 - Linear Circuits III: AC
- EE 2905 - Introduction to Embedded Systems and Digital Electronics
- EE 2920 - Embedded Systems
- EE 2931 - Systems Interfacing
- EE 3001B - Signals and Circuits I
- EE 3002B - Signals and Circuits II
- EE 3032 - Signals and Systems
- EE 3050 - Dynamic Systems
- EE 3051B - Dynamic Systems
- EE 3102 - Analog Electronics I

- EE 3112 - Analog Electronics II
- EE 3204 - Electric and Magnetic Fields
- EE 3214 - Electromagnetic Waves
- EE 3221 - Digital Signal Processing
- EE 3401 - Electromechanical Energy Conversion
- EE 3720 - Control Systems
- EE 3900B - Design of Logic Systems
- EE 3910B - Embedded Systems
- EE 3921 - Digital System Design
- EE 4022 - Principles of Communications
- EE 4050 - Low-Noise Analog System Design
- EE 407 - Senior Design Project I
- EE 408 - Senior Design Project II
- EE 409 - Senior Design Project III
- EE 4112 - Advanced Analog Electronics
- EE 4142 - Power Electronics
- EE 421 - Digital Communication Systems
- EE 423 - Applications of Digital Signal Processing
- EE 4240 - Software-Defined Radio
- EE 425 - Radio Frequency Circuit Design
- EE 4250 - Advanced Signal Processing
- EE 426 - Advanced Electromagnetic Fields
- EE 4280 - Antenna Theory and Wireless Applications
- EE 429 - Microwave Engineering
- EE 4403 - Specialty Electric Machines
- EE 444 - Power Electronics
- EE 4451 - Bulk Electric System Stability and Control
- EE 447 - Power System Analysis I
- EE 4480 - Electrical Power Systems Quality
- EE 449 - Power System Analysis II
- EE 4601 - Modeling and Simulation of Dynamic Systems
- EE 4720 - Control Systems Applications
- EE 484 - Neural Networks
- EE 4901 - Electrical Engineering Cooperative Practicum 1

- EE 4902 - Electrical Engineering Cooperative Practicum 2
- EE 4903 - Electrical Engineering Cooperative Practicum 3
- EE 4930 - Advanced Embedded Systems
- EE 4980 - Topics in Electrical Engineering
- EE 4981 - Topics in Electrical Engineering with Laboratory
- EE 499 - Independent Study
- EE 499G - Independent Study - German Students
- EE 5280 - Antenna Theory and Wireless Applications
- EE 5403 - Specialty Electric Machines
- EE 5451 - Bulk Electric System Stability and Control
- EE 5981 - Electrical Engineering Special Topics with Laboratory
- EE 100 - Intro to Electrical Engineering
- EE 2705 - Linear Circuits I: DC
- EE 2900 - Combinational Logic Circuits
- EE 3031 - Signals and Systems
- EE 3101 - Operational Amplifier Design
- EE 3111 - Electronic Devices and Circuits
- EE 3220 - Digital Signal Processing
- EE 5480 - Electrical Power Systems Quality
- SE 1011 - Software Development I
- SE 1021 - Software Development II
- SE 2030 - Software Engineering Tools and Practices
- SE 2040 - Software Development III
- SE 2800 - Software Engineering Process I
- SE 2811 - Software Component Design
- SE 2832 - Introduction to Software Verification
- SE 2840 - Web Application Development
- SE 3010 - Software Development Laboratory I
- SE 3020 - Software Development Laboratory II
- SE 3030 - Software Development Laboratory III
- SE 3250 - Introduction to Game Development
- SE 3800 - Software Engineering Process II
- SE 3810 - Software Architecture
- SE 3821 - Software Requirements and Specification

- SE 3830 - Human-Computer Interaction
- SE 3910 - Real-Time Systems
- SE 4840 - Software Maintenance and Craftsmanship
- SE 4910 - Mobile Application Development
- SE 4910I - Mobile Application Development-iOS
- SE 4930 - Developing Secure Software
- SE 4940 - Network Security Tools and Practices
- SE 4980 - Topics in Software Engineering
- SE 4981 - Topics in Software Engineering with Laboratory
- SE 4999 - Independent Study
- SE 5890 - Topics in Software Engineering
- SE 5981 - Topics in Software Engineering with Lab
- SE 400 - Senior Design Project I
- SE 401 - Senior Design Project II
- SE 402 - Senior Design Project III
- SE 498 - Topics in Software Engineering
- AE 1001 - Freshman Seminar I
- AE 1002 - Freshman Seminar II
- AE 1231 - Building Construction Materials
- AE 200 - Statics
- AE 2001 - Building Information Modeling
- AE 201 - Strength of Materials
- AE 2011 - Mechanics of Materials I
- AE 2012 - Mechanics of Materials II
- AE 2121 - Fundamentals of Thermodynamics
- AE 2130 - Introduction to Fluid Mechanics
- AE 2150 - Fundamentals of Electricity and Circuits
- AE 2250 - Specifications and Contracts
- AE 3201 - Principles of Structural Engineering
- AE 3211 - Structural Analysis
- AE 3221 - Steel Design
- AE 3231 - Concrete Design
- AE 3251 - Structural Systems Design
- AE 3301 - Principles of Building Mechanical Systems

- AE 3321 - Architectural History
- AE 3421 - Building Mechanical Systems I
- AE 3422 - Building Mechanical Systems II
- AE 3451 - Building Systems Control
- AE 3521 - Plumbing Systems Design
- AE 3531 - Fire Suppression Systems Design
- AE 3601 - Principles of Electrical Engineering for Buildings
- AE 3622 - Building Electrical Systems I
- AE 3632 - Illumination Systems Design
- AE 3636 - Communication Systems Design
- AE 3661 - Electrical Power Quality for Buildings
- AE 4121 - Environmental Science in Building Construction
- AE 4311 - Architectural Design
- AE 4412 - Engineering and Building Investment Economics
- AE 4712 - Architectural Engineering and Construction Management Design-Build Senior Project I
- AE 4721 - Architectural Engineering and Construction Management Design-Build Senior Project II
- AE 4731 - Architectural Engineering and Construction Management Design-Build Senior Project III
- AE 4733 - AE Senior Project Working Drawings
- AE 490 - Independent Study
- AE 4980 - Special Topics in Architectural Engineering
- AE 5210 - Matrix Structural Analysis
- AE 5220 - AISC Steel Design
- AE 5230 - Reinforced Concrete Structure Design
- AE 5232 - Prestressed Concrete Design
- AE 5234 - Foundation Design
- AE 5240 - Masonry Design
- AE 5250 - Wood Design
- AE 5260 - Bridge Design
- AE 5262 - Modern Structural Systems
- AE 5402 - Building Mechanical System Design
- AE 5404 - Building Electrical System Design

- AE 5450 - Building Control System Design
- AE 5460 - Commissioning
- AE 5470 - Advanced Project Management for MEP
- AE 5520 - Advanced Plumbing Systems Design
- AE 5600 - Electrical Code for Buildings
- AE 5630 - Advanced Building Illumination Design
- AE 5980 - Topics in Architectural Engineering
- AE 1311 - Introduction to CAD
- AE 5480 - Advanced Hydronic Systems
- AE 5800 - Research and Writing
- BE 1005 - Introduction to Biomedical Engineering
- BE 2200 - MATLAB Programming for Engineers
- BE 3005 - Professional Topics in BME
- BE 3015 - Biomedical Engineering Design I
- BE 3205 - Introduction to Sensors and Actuators
- BE 3405 - Biomedical Device Evaluation
- BE 3500 - Bio-thermal-fluid Transport I
- BE 3510 - Bio-thermal-fluid Transport 2
- BE 3515 - Bio-thermal-fluid Transport II
- BE 3705 - Biomedical Electronics and Instrumentation
- BE 3905 - Biomedical Combined Laboratory I
- BE 3915 - Combined Lab II: Physiology, DSP & Biomechanics
- BE 4005 - Biomedical Engineering Design II
- BE 4015 - Biomedical Engineering Design III
- BE 4025 - Biomedical Engineering Design IV
- BE 410 - Biomaterials
- BE 411 - Biomechanics
- BE 4205 - Medical Imaging Systems
- BE 4340 - Advanced Topics in Biomedical Digital Signal Processing
- BE 4705 - Biomedical Electronics and Instrumentation II
- BE 4805 - Biomedical System Dynamics
- BE 4815 - Biomedical Feedback Control Systems
- BE 4961 - Introduction to Human Body Systems for Radiological Applications

- BE 4962 - Fundamentals of Medical Imaging
- BE 4963 - Best Practices in Visualization and Labeling of Medical Images
- BE 4975 - Biomedical Research Internship
- BE 4980 - Independent Study
- BE 499 - Clinical Internship
- BE 4990 - Topics in Biomedical Engineering
- BE 4991 - Topics in Biomedical Engineering with Laboratory
- EB 1001 - Intro to BioMolecular Engineering
- EB 2001 - Laboratory and BioProcess Safety and Ethics
- EB 2100 - BioMolecular Engineering Sophomore Seminar
- EB 2240 - Engineering Applications in Biochemistry
- EB 2250 - Biopolymer Engineering
- EB 2410 - Principles of Biotechnology
- EB 2420 - Informatics Computing I
- EB 2430 - Informatics Computing II
- EB 2510 - Thermodynamics I
- EB 3100 - BioMolecular Engineering Junior Seminar
- EB 3200 - Bioanalytical Instrumentation
- EB 3300 - Molecular Nanotechnology
- EB 3400 - Food Engineering
- EB 3410 - Applications of Biotechnology
- EB 3411 - Applications of Biotechnology II
- EB 3420 - Bioinformatics I
- EB 3430 - Bioinformatics II
- EB 3510 - Thermodynamics II
- EB 3520 - Engineering of Controlled Drug Delivery
- EB 3530 - Cell Culture Lab for BioMolecular Engineering
- EB 3561 - Unit Operations-Production Scale Bioseparations
- EB 3570 - Kinetics and Bioreactor Design
- EB 3600 - Genomics in Engineering
- EB 3610 - Transport Phenomena I
- EB 3620 - Transport Phenomena II
- EB 3800 - Drug Discovery and Development

- EB 3810 - Tissue Engineering
- EB 3820 - Molecular Biology for Engineering
- EB 3830 - Heat Transfer Equipment in Process Engineering
- EB 3840 - Bioinformatics III
- EB 3850 - Cosmetics: Science, Engineering & Technology
- EB 3860 - Prokaryotic Processes
- EB 3870 - Microfluidics
- EB 3880 - Entrepreneurship in BioMolecular Engineering
- EB 401 - Topics in Biomolecular Engineering
- EB 4100 - BioMolecular Engineering Senior Seminar
- EB 4300 - Metabolic Engineering and Synthetic Biology
- EB 4511 - Bio-Process Control
- EB 4561 - Process Engineering Lab
- EB 4910 - BioMolecular Engineering Design I
- EB 4920 - BioMolecular Engineering Design II
- EB 4930 - BioMolecular Engineering Design III
- EB 499 - BioMolecular Engineering Independent Study
- CM 2121 - Surveying
- CM 2200 - Building Construction Methods
- CM 2300 - Building Construction Methods II
- CM 250 - Construction Jobsite Management and Leadership
- CM 3013 - Construction Project Financial and Cost Control
- CM 3024 - Construction Law
- CM 3112 - Building Environmental and Mechanical Systems for CM
- CM 3210 - Construction Scheduling
- CM 3250 - Construction Estimating
- CM 3417 - Construction Equipment Management
- CM 3612 - Building Electrical and Communication Systems for CM
- CM 4311 - Construction Project Management I
- CM 4321 - Construction Project Management II
- CM 4512 - Construction Safety Management
- CM 4712 - Architectural Engineering and Construction Management Design-Build Senior Project I
- CM 4721 - Architectural Engineering and Construction Management

Design-Build Senior Project II

- CM 4731 - Architectural Engineering and Construction Management

Design-Build Senior Project III

- CM 4980 - Special Topics in Construction Management
- CM 5020 - Project Acquisitions and Business Development
- CM 5040 - Construction Operations and Management Strategies
- CM 5045 - Lean Construction and Resource Management
- CM 5520 - 21st Century Leadership in Construction
- CM 5980 - Topics in Construction Management
- IE 1000 - Introduction to Industrial Engineering Profession
- IE 1003 - Industrial Engineering Profession
- IE 1190 - Computer Applications in Industrial Engineering
- IE 2030 - Applications of Statistics in Industrial Engineering
- IE 2450 - Work Planning and Methods Development
- IE 312 - Research Methods
- IE 3310 - Production Planning and Inventory Control
- IE 336 - Contemporary Manufacturing Systems
- IE 340 - Project Management
- IE 3470 - Facilities Design
- IE 348 - Quality Assurance (SPC)
- IE 3621 - Ergonomics
- IE 377 - Safety in Engineering
- IE 3771 - Automation Technologies
- IE 381 - Deterministic Modeling and Optimization
- IE 3820 - Stochastic Processes
- IE 383 - Simulation
- IE 391 - Industrial Engineering Junior Project
- IE 423 - Engineering Economy
- IE 426 - Materials and Manufacturing Processes
- IE 4260 - Design for Manufacture and Assembly
- IE 431 - Six Sigma Methods
- IE 4332 - Lean
- IE 4336 - Quick Response Manufacturing
- IE 440 - Team Leadership/Facilitation

- IE 449 - Quality Management
- IE 4501 - Health Care Systems Engineering
- IE 460 - Design for Quality
- IE 4621 - Socio-Technical Systems
- IE 4622 - Organization and Job Design
- IE 4640 - Product Design and Development Processes
- IE 470 - Topics in Industrial Engineering
- IE 4773 - Computer Aided Manufacturing/CNC Machining/Rapid Prototyping
- IE 4810 - Engineering Accounting
- IE 4823 - Financial Engineering
- IE 483 - Advanced Simulation Modeling
- IE 4880 - Supply Chain Engineering
- IE 4901 - Industrial Engineering Senior Design Project I
- IE 4902 - Industrial Engineering Senior Design Project II
- IE 4903 - Industrial Engineering Senior Design Project III
- IE 499 - Independent Study
- ME 1301 - Introduction to Mechatronics
- ME 1601 - Introduction to Solid Modeling and Design
- ME 190 - Computer Applications in Engineering
- ME 2001 - Mechanics I
- ME 2002 - Mechanics II
- ME 2003 - Mechanics III
- ME 2004 - Mechanics of Materials I
- ME 205 - Engineering Statics
- ME 206 - Engineering Dynamics
- ME 207 - Mechanics of Materials
- ME 2101 - Principles of Thermodynamics I
- ME 230 - Dynamics of Systems
- ME 2980T - Mechanical Engineering Topic: Thermodynamics
- ME 300 - Modeling and Numerical Analysis
- ME 3005 - Mechanics of Materials II
- ME 3102 - Principles of Thermodynamics II
- ME 3103 - Fluid Mechanics I

- ME 3104 - Fluid Mechanics II
- ME 3105 - Applied Thermodynamics
- ME 318 - Heat Transfer
- ME 321 - Materials Science
- ME 322 - Engineering Materials
- ME 323 - Manufacturing Processes
- ME 3301 - Instrumentation
- ME 354 - Thermodynamics and Heat Transfer
- ME 362 - Design of Machinery
- ME 363 - Design of Machine Components
- ME 3650 - Systematic Engineering Design
- ME 401 - Vibration Control
- ME 402 - Vehicle Dynamics
- ME 409 - Experimental Stress Analysis
- ME 411 - Advanced Topics in Fluid Mechanics
- ME 419 - Internal Combustion Engines
- ME 4220 - Fatigue and Fracture in Mechanical Design
- ME 423 - Materials Selection
- ME 424 - Engineering with Plastics
- ME 4250 - Additive Manufacturing
- ME 429 - Composite Materials
- ME 4302 - Automatic Control Systems
- ME 4303 - Electromechanical Systems
- ME 4304 - Introduction to Robotic Systems
- ME 4305 - Mechanical System Simulation
- ME 460 - Finite Element Methods
- ME 4602 - Transient and Nonlinear Finite Element Methods
- ME 4610 - Medical Applications in Mechanical Engineering
- ME 4701 - Fluid Power Circuits
- ME 4702 - Fluid Power Modeling
- ME 480 - HVAC Systems Design
- ME 4802 - Compressible Flow
- ME 4804 - Advanced Energy Technologies
- ME 4805 - Renewable Energy Utilization

- ME 4806 - Computational Fluid Dynamics
- ME 481 - Aerodynamics
- ME 485 - Energy Systems Design Project
- ME 490 - Senior Design I
- ME 4906 - Applied Numerical Methods
- ME 491 - Senior Design II
- ME 492 - Senior Design III
- ME 4951 - Bachelor Thesis I
- ME 4952 - Bachelor Thesis II
- ME 498 - Topics in Mechanical Engineering
- ME 499 - Independent Study
- ME 5305 - Mechanical System Simulation
- ME 5601 - Microelectromechanical Systems Fundamentals
- ME 5980 - Topics in Mechanical Engineering
- ME 1000 - Mech Engr Freshman Seminar
- ME 191 - Computer Appls in Engineering II
- ME 309 - Intermediate Mechanics of Materials
- ME 311 - Principles-Thermodynamics I
- ME 314 - Principles-Thermodynamics II
- ME 317 - Fluid Mechanics
- ME 361 - Dynamics of Machinery
- ME 416 - Thermodynamics Applications
- ME 431 - Automatic Control Systems
- ME 433 - Electromechanical Systems
- ME 4803 - Computational Fluid Mechanics
- ME 523 - Materials Selection
- NU 2000 - Introduction to Professional Nursing Practice
- NU 2011 - Health Concepts and Health Assessment
- NU 220 - Health Care Terminology
- NU 2320 - Health Assessment of Family
- NU 2520 - Primary Dynamics of Nursing Care
- NU 2521 - Primary Concepts and Dynamics of Nursing Care
- NU 260 - Nutrition
- NU 2810 - Pharmacology I

- NU 2820 - Pharmacology II
- NU 290 - Pathophysiology I
- NU 2980T - Nursing Topic: Transition Pharmacology
- NU 299 - Global Health Care and International Health Care Systems
- NU 300 - Transcultural Nursing
- NU 3000 - Nursing Care of Clients with Episodic Health Challenges I
- NU 3000L - Application of Psychomotor Skills I
- NU 3100 - Principles of Electrocardiograph (ECG) Interpretation & Monitoring
- NU 3200 - Nursing Care of Clients with Episodic Health Challenges II
- NU 3200L - Application of Psychomotor Skills II
- NU 3302 - Application of Nursing Care Concepts to Clients with Episodic Health Challenges
- NU 3302L - Application of Psychomotor Skills (ASD)
- NU 3320 - Complementary and Integrative Health Challenges
- NU 3400 - Nursing Care of Clients with Chronic Health Challenges
- NU 350 - Nursing Care of Older Adults
- NU 3600 - Nursing Care of the Community
- NU 390 - Evidence-Based Nursing Practice
- NU 391 - Pathophysiology II
- NU 395 - Interprofessional Education (IPE)
- NU 3980T - Nursing Topic: Transition Course for NU4700+cardiac lab
- NU 3980U - Nursing Topic: Transition Course for Evidenced-based Practice
- NU 450 - Gerontological Management of Care
- NU 455 - Gerontological Policy, Service, and Social Issues
- NU 4600 - Nursing Care of Clients with Mental Health Challenges
- NU 4700 - Nursing Care of Clients with Complex Chronic Health Challenges
- NU 4702 - Application of Nursing Care Concepts to Clients with Complex Chronic Health Challenges
- NU 4710 - Nursing Care of Clients with Complex Episodic Health Challenges
- NU 4711 - Nursing Care of Clients with Complex Episodic Health

Challenges (ASD)

- NU 485 - Senior Nursing Preceptorship
- NU 4850 - Senior Nursing Preceptorship (ASD)
- NU 4860 - Synthesis of Nursing Care
- NU 4870 - Transition to Professional Nursing Practice I
- NU 4870X - Transition to Professional Nursing Practice I
- NU 4880 - Transition to Professional Nursing Practice II
- NU 4961 - Nursing Leadership I
- NU 4971 - Nursing Leadership II
- NU 4980 - Special Topics in Nursing
- NU 499 - Independent Study
- NU 499IR - Instructional Review
- NU 1000 - Intro Nursing Health and Language
- UX 1400 - Foundations of User Experience
- UX 1400H - Foundations of User Experience
- UX 1511 - Visual Design I
- UX 1521 - Visual Design II
- UX 2001 - Human-Centered AI
- UX 2002 - Intelligent User Interfaces
- UX 2011 - Interface Design I
- UX 2021 - Interface Design II
- UX 2023 - Design Systems
- UX 2024 - Information Architecture
- UX 2031 - Interaction Design
- UX 241H - Easy by Design
- UX 242 - Collaborative Design
- UX 253 - Inclusive Design
- UX 255 - User Interface Design
- UX 3001 - Communicating with Data
- UX 3011 - UX Research I
- UX 3015 - Designing for the Digital Future
- UX 3021 - UX Research II
- UX 3025 - Data Visualization
- UX 3031 - Agile Product Management

- UX 3035 - Design for Voice
- UX 3045 - SEO and Analytics
- UX 333 - Knowledge and Content Management
- UX 345 - Agile Project Management
- UX 361 - UX Research
- UX 4011 - UX Senior Project I
- UX 4021 - UX Senior Project II
- UX 4031 - UX Senior Project III
- UX 4410 - Digital Portfolio and Professional Development
- UX 490 - Independent Study
- UX 495 - UX Selected Studies
- UX 498 - UX Practicum
- UX 499 - UX and Communication Design Internship
- UX 172 - Desktop Publishing and UX Tools
- PL HU - Placeholder for HU Course
- PL SS - Placeholder for SS Course
- PL PROG - Placeholder for Program Course
- PL MS - Placeholder for Math/Science Course
- BI 102 - Cell Biology and Genetics
- BI 2305 - Physiology I
- CH 200 - Chemistry I
- CH 201 - Chemistry II
- CH 223 - Biochemistry
- PH 2011 - Physics I - Mechanics
- PH 2021 - Physics II - ElectroMagnetism
- PH 2031 - Waves, Optics, Thermodynamics, and Quantum Physics
- BIO 1110 - Cell Biology and Genetics
- BIO 1410 - Human Anatomy & Physiology I
- BIO 1420 - Human Anatomy & Physiology II
- BIO 2310 - Clinical Microbiology and Genomics
- BIO 2520 - Human Physiology II
- CHM 1010 - Chemistry I
- CHM 1020 - Chemistry II
- CHM 1310 - Chemistry of Food Molecules

- CHM 2310 - Biochemistry
- CHM 3510 - Advanced Analytical Chemistry
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices
- SCI 1610 - Environmental Science
- BI 1001 - Principles of Biomedical Sciences
- BI 1002 - Human Body Systems
- BI 1003 - Medical Interventions
- BI 1010 - Human Anatomy and Physiology I
- BI 1010A - Human Anatomy and Physiology I
- BI 1020 - Human Anatomy and Physiology II
- BI 1030 - Human Anatomy and Physiology III
- BI 1980T - Biology Topic: Anatomy and Physiology I
- BI 1980U - Biology Topic: Anatomy and Physiology II
- BI 1980V - Biology Topic: Anatomy and Physiology III
- BI 2020 - Cellular Microbiology
- BI 2040 - Human Anatomy and Physiology IV
- BI 2306 - Human Physiology I
- BI 2315 - Physiology II
- BI 2316 - Human Physiology II
- BI 256 - Microbiology
- BI 3100 - Stem Cell and Cancer Biology
- BI 3350 - Introduction to Genomics: Concepts and Technologies
- BI 4980 - Topics in Biology
- BI 499 - Life Science Independent Study
- BI 172 - Human Anatomy and Physiology I
- CH 200A - Chemistry I
- CH 200B - Chemistry I
- CH 2050 - General Chemistry for Life Sciences
- CH 222 - Organic Chemistry I
- CH 2250 - Organic Chemistry for Life Sciences
- CH 2251 - Organic Chemistry for Life Sciences
- CH 2261 - Biochemistry for Life Sciences

- CH 302 - Chemistry III
- CH 3020 - Food Chemistry
- CH 303 - Chemistry III Lab
- CH 310 - Applied Chemistry
- CH 322 - Organic Chemistry II
- CH 323 - Organic Chemistry II Lab
- CH 353 - Fundamentals of Environmental Chem
- CH 3650 - Materials Chemistry
- CH 3660 - Surface Properties of Materials
- CH 3670 - Polymer Chemistry
- CH 371 - Modern Biotechnology
- CH 373 - Advanced Biotechnology
- CH 401 - Topics in Chemistry
- CH 499 - Independent Study
- PH 2011A - Physics I - Mechanics
- PH 320 - Lasers and Applications
- PH 322 - Intro-Optics and Photonics
- PH 324 - Fiber Optics/Fiber Optic Sensors
- PH 325 - Acoustics & Illumination
- PH 341 - Intro-Astronomy/Astrophysics
- PH 342 - Relativity and Cosmology
- PH 352 - Quantum Physics
- PH 354 - Nuclear Power, Applications and Safety
- PH 3600 - Physics of Semiconductor Materials and Devices
- PH 361 - Physics of Materials
- PH 3710 - Intro to Biophysics
- PH 401 - Topics in Physics
- PH 499 - Independent Study
- PH 2010 - Physics I - Mechanics
- PH 2020 - Physics II–Electromagnetism/Optics
- PH 2030 - Physics III
- SC 310 - Nanoscience and Nanotechnology
- SC 370 - Geology and Geophysics
- SC 371 - Oceanography

- SC 499 - Independent Study
- PH 1980T - Physics Topic: Waves, Relativity, Thermo
- MA 2323 - Calculus IV
- MA 232 - Calculus IV
- MA 235 - Differential Equations
- MA 2320 - Introduction to Graph Theory
- MA 262 - Probability and Statistics
- MA 327 - Mathematical Modeling
- MA 330 - Vector Analysis
- MA 343 - Linear Programming
- MA 344 - Nonlinear Programming
- MA 380 - Advanced Differential Equations
- MA 381 - Complex Variables
- MA 382 - Laplace and Fourier Transforms
- MA 383 - Linear Algebra
- MA 384 - Statistical Methods for Use in Research
- MA 385 - Modern Algebra with Applications
- MA 386 - Functions of a Real Variable
- MA 387 - Partial Differential Equations
- MA 388 - Introduction to Number Theory
- MA 3320 - Discrete Mathematics II
- MA 3710 - Mathematical Biology
- MA 461 - Applied Probability Models
- MA 499 - Independent Study
- MTH 2980T - Mathematics Topic: Quarter Calculus III
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV
- MTH 2130 - Calculus III
- MTH 2140 - Differential Equations
- MTH 2340 - Linear Algebra with Applications
- MTH 2480 - Probability and Statistics
- MTH 3340 - Abstract Algebra with Applications
- MTH 3410 - Applied Regression Analysis
- MTH 4130 - Complex Analysis
- MTH 4150 - Partial Differential Equations

- BIO 2320 - Cellular Microbiology
- BIO 2510 - Human Physiology I
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo
- CHM 3850 - Food Chemistry
- SCI 3750 - Nanoscience and Nanotechnology
- BA 1220 - Microeconomics
- BA 1227 - Global Business
- BA 2015 - Business Analytics I
- BA 2220 - Foundations of Business Economics
- BA 2222 - Macroeconomics
- BA 2225 - Health Care Economics
- BA 2331 - Business Law
- BA 3015 - Business Analytics II
- BA 3998 - Business Internship
- BA 4330 - Legal Aspects of Innovation and Entrepreneurship:
- BA 4344 - Business and Government Relations
- BA 4348 - Employment Law
- BA 4350 - Business Startups for Entrepreneurs
- BA 4960 - Selected Topics in Business
- BA 4970 - Practicum in Entrepreneurship
- BA 4975 - Applied Servant Leadership - Business Solutions
- BA 4990 - Business Strategy
- BA 4999 - Independent Study
- BA 2401 - Project Management
- BA 2440 - Production Management
- BA 2442 - Management
- BA 3411 - Leading Project Teams
- BA 3423 - Innovation and Business Markets
- BA 3440 - Business Communication and Commerce
- BA 3444 - Organizational Behavior and Leadership
- BA 3447 - Leadership
- BA 3491 - Supply Chain Management
- BA 3801 - Continuous Improvement I
- BA 3803 - Continuous Improvement II

- BA 3805 - Six Sigma Techniques
- BA 3895 - International Logistics
- BA 4820 - Enterprise Resource Planning
- BA 4850 - Telecommunications
- BA 2501 - Finance I
- BA 2503 - Finance II
- BA 2505 - Finance III
- BA 2510 - Introduction to Accounting
- BA 2530 - Introduction to Finance
- BA 2550 - Corporate Finance
- BA 3580 - Managerial Accounting and Costing
- BA 3591 - Intermediate Accounting
- BA 3593 - Intermediate Finance
- BA 3595 - Intermediate Accounting II
- BA 4501 - Management Control Systems
- BA 4502 - Accounting Ethics
- BA 4510 - Business Tax Planning
- BA 4512 - Business Tax Planning II
- BA 4520 - Investment and Portfolio Analysis
- BA 4530 - Personal Finance & Planning
- BA 4550 - Auditing
- BA 4570 - Accounting Information Systems
- BA 4575 - Accounting Analytics and Artificial Intelligence
- BA 4580 - Advanced Managerial Accounting
- BA 4590 - Advanced Accounting and Research
- BA 2661 - Marketing
- BA 3630 - Social Media Marketing Strategies
- BA 4601 - International Marketing and Export Management
- BA 4620 - Technical Selling
- BA 4622 - Psychology of Sales
- BA 4624 - Sales Process and Pipeline
- BA 4626 - Networking and Prospecting
- BA 4628 - Forecasting
- BA 4650 - Branding and Brand Management

- BA 4667 - Marketing Research
- BA 4668 - Promotion and Advertising Strategies
- BA 4669 - Consumer Behavior
- BA EL1 - Business Elective
- BA EL2 - Business Elective
- BUS 2001 - Personal and Professional Development
- BUS 2010 - Business Analysis and Data Storytelling
- BUS 2100 - Organizational Management
- BUS 2221 - Microeconomics
- BUS 2222 - Macroeconomics
- BUS 2225 - Health Care Economics
- BUS 2330 - Business Law
- BUS 2411 - Building Inclusive Teams
- BUS 2445 - Global Business
- BUS 2450 - Business Operations
- BUS 2510 - Principles of Financial Accounting
- BUS 2530 - Introduction to Finance
- BUS 2660 - Marketing
- BUS 2900 - Character in the Business Professions
- BUS 3010 - Business Analytics
- BUS 3200 - Principles of Economics and Financial Decision-Making
- BUS 3400 - Project Management
- BUS 3420 - Innovation and Entrepreneurship
- BUS 3445 - Leadership Communication
- BUS 3560 - Managerial Cost Accounting
- BUS 3580 - Intermediate Accounting I
- BUS 3585 - Intermediate Accounting II
- BUS 3593 - Intermediate Finance and Portfolio Theory
- BUS 3600 - Advanced Financial Analysis
- BUS 3650 - Branding and Brand Management
- BUS 3670 - Marketing Research
- BUS 3800 - Continuous Improvement
- BUS 3805 - Lean-Six Sigma Techniques
- BUS 3820 - Planning, Scheduling, and Control

- BUS 3890 - Supply Chain Management
- BUS 4310 - Legal Aspects of Innovation and Entrepreneurship
- BUS 4320 - Business Startups for Entrepreneurs
- BUS 4340 - Cultivating Your Entrepreneurial Mindset
- BUS 4490 - Human Resources
- BUS 4500 - Management Control Systems and Advanced Managerial Accounting
- BUS 4510 - Tax Planning and Research
- BUS 4530 - Personal Financial Planning
- BUS 4550 - Auditing and Advanced Accounting
- BUS 4560 - Accounting Ethics
- BUS 4570 - Accounting Information Systems
- BUS 4575 - Accounting Analytics and Artificial Intelligence
- BUS 4620 - The Psychology of Sales
- BUS 4630 - Sales Process and Pipeline
- BUS 4640 - Sales Networking and Prospecting
- BUS 4660 - Digital Marketing
- BUS 4680 - Advertising and Promotion Strategies
- BUS 4690 - Consumer Behavior
- BUS 4820 - Enterprise Resource Planning
- BUS 4900 - Forecasting and Strategy
- HU 299 - Global Health Care and International Health Care Systems
- HU 332 - Bioethics
- HU 401 - Spanish for Nurses
- HU 406G - German Literature
- HU 406S - Spanish Literature
- HU 410CH - Chinese I
- HU 410F - French I
- HU 410G - German I
- HU 410I - Italian I
- HU 410J - Japanese I
- HU 410S - Spanish I
- HU 410X - Foreign Language I
- HU 411CH - Chinese II

- HU 411F - French II
- HU 411G - German II
- HU 411I - Italian II
- HU 411J - Japanese II
- HU 411S - Spanish II
- HU 411X - Foreign Language II
- HU 412CH - Chinese III
- HU 412F - French III
- HU 412G - German III
- HU 412I - Italian III
- HU 412J - Japanese III
- HU 412S - Spanish III
- HU 412X - Foreign Language III
- HU 413G - German IV
- HU 413S - Spanish IV
- HU 414G - German V
- HU 414S - Spanish V
- HU 419S - Special Topics in Spanish Speaking World
- HU 420 - Classical Derivatives
- HU 4200 - Linguistics: Scientific Study of Language
- HU 421 - Literary Genres
- HU 422 - British Literature
- HU 423 - American Literature
- HU 424 - Science Fiction
- HU 424H - Science Fiction
- HU 425 - Contemporary Literature
- HU 426 - Survey of Developing World Literature
- HU 427 - Classics in Eastern Literature
- HU 428 - Classics in Literature
- HU 429 - Literature of American Minorities
- HU 430 - Epistemology
- HU 4300 - Philosophy of Education
- HU 4301 - Philosophy of Mind and Artificial Intelligence
- HU 4311 - Philosophy of Science

- HU 431A - Formal Logic
- HU 431B - Informal Logic
- HU 432 - Ethics for Professional Managers and Engineers
- HU 4321 - Ethics of Digital Technologies and AI
- HU 433 - Philosophy
- HU 4331 - Introduction to Eastern Philosophy
- HU 434 - Existentialism
- HU 435 - Philosophy of Religion
- HU 436 - Metaphysics
- HU 437 - Praxiology
- HU 4370 - Political and Social Philosophy
- HU 438 - Aesthetics
- HU 439 - Philosophy of Technology
- HU 440 - Global History I–The World to 1500
- HU 441 - Global History II–World since 1500
- HU 4410 - History of Urban Agriculture
- HU 442 - Modern European History
- HU 4420 - History of the Civil War & Reconstruction
- HU 443 - Russian History
- HU 444 - United States History
- HU 445 - United States History I
- HU 446 - United States History II
- HU 447 - History of the Middle East
- HU 448 - World War II
- HU 4480 - American Revolution
- HU 449 - German History
- HU 4495 - Latin American History
- HU 4495A - African History
- HU 4495C - Cuban History
- HU 4800 - Music I
- HU 4801 - Music II
- HU 4802 - Music III
- HU 4803 - Music IV
- HU 4804 - Music V

- HU 4805 - Music VI
- HU 484 - Art History
- HU 4841 - German Art History
- HU 485 - Fine Arts
- HU 486 - Theatre Arts
- HU 487 - Visual Arts
- HU 488 - Music History & Appreciation
- HU 489 - Film and Media Studies
- HU 489H - Film and Media Studies
- HU 490 - Creative Nonfiction
- HU 492 - World's Living Religions
- HU 494 - Creative Thinking
- HU 41X - Foreign Language Elective
- HU 42X - Literature Elective
- HU 43X - Philosophy Elective
- HU 44X - History Elective
- HU 48X - Fine Arts Elective
- HU 495 - Humanities Selected Studies
- HU 499 - Independent Study
- HU 4XX - Humanities Elective
- HU 413X - Foreign Language IV
- HU EL1 - Humanities Elective I
- AHT 2001 - Western Art History
- AHT 2002 - German Art History
- AHT 2980 - Topics in Art History
- AHT 2999 - Art History Independent Study
- AHT 3980 - Topics in Art History
- AHT 3999 - Art History Independent Study
- AHT 4980 - Topics in Art History
- AHT 4999 - Art History Independent Study
- FNA 2002 - Drama and The Theater
- FNA 2980 - Topics in Fine Arts
- FNA 2999 - Fine Arts Independent Study
- FNA 3001 - Creative Writing

- FNA 3980 - Topics in Fine Arts
- FNA 3999 - Fine Arts Independent Study
- FNA 4010 - Film and Media Studies
- FNA 4980 - Topics in Fine Arts
- FNA 4999 - Fine Arts Independent Study
- GER 1001 - Elementary German
- GER 2001 - Intermediate German
- GER 2999 - German Independent Study
- GER 3001 - Advanced German
- GER 3980 - Topics in the German-Speaking World
- GER 3999 - German Independent Study
- GER 4980 - Topics in the German-Speaking World
- GER 4999 - German Independent Study
- HST 1013 - United States History I
- HST 1014 - United States History II
- HST 1015 - Latin American History I
- HST 1016 - Latin American History II
- HST 2011 - American Revolution
- HST 2012 - Civil War and Reconstruction
- HST 2014 - History of US World's Fairs
- HST 2015 - Topics in Twentieth Century American History
- HST 2021 - Topics in Modern European History
- HST 2022 - German History
- HST 2031 - World War II
- HST 2041 - Cuban History
- HST 2053 - Music History
- HST 2980 - Topics in History
- HST 2999 - History Independent Study
- HST 3980 - Topics in History
- HST 3999 - History Independent Study
- HST 4980 - Topics in History
- HST 4999 - History Independent Study
- LIT 1010 - American Literature I
- LIT 1020 - American Literature II

- LIT 2001 - Science Fiction
- LIT 2010 - Literary Genres
- LIT 2020 - Contemporary Literature
- LIT 2980 - Topics in Literature
- LIT 2999 - Literature Independent Study
- LIT 3001 - Topics in Global Literature
- LIT 3980 - Topics in Literature
- LIT 3999 - Literature Independent Study
- LIT 4980 - Topics in Literature
- LIT 4999 - Literature Independent Study
- PHL 2980 - Topics in Philosophy
- PHL 2999 - Philosophy Independent Study
- PHL 3101 - Ethics for Professional Managers and Engineers
- PHL 3102 - Ethics of Digital Technologies and Artificial Intelligence
- PHL 3103 - Bioethics
- PHL 3104 - Eastern Philosophy
- PHL 3201 - Introduction to Philosophy
- PHL 3202 - Introduction to Logic
- PHL 3203 - Epistemology
- PHL 3204 - Metaphysics
- PHL 3205 - Minds, Brains, and Computers
- PHL 3206 - Social and Political Philosophy
- PHL 3207 - Philosophy of Science
- PHL 3208 - Philosophy of Art
- PHL 3980 - Topics in Philosophy
- PHL 3999 - Philosophy Independent Study
- PHL 4980 - Topics in Philosophy
- PHL 4999 - Philosophy Independent Study
- SPN 1001 - Elementary Spanish
- SPN 2001 - Intermediate Spanish
- SPN 2999 - Spanish Independent Study
- SPN 3001 - Advanced Spanish
- SPN 3980 - Topics in the Spanish-Speaking World
- SPN 3999 - Spanish Independent Study

- SPN 4980 - Topics in the Spanish-Speaking World
- SPN 4999 - Spanish Independent Study
- ARE 3821 - Architectural History
- SS 3630 - Design Thinking
- SS 3700 - Digital Society
- SS 415A - African American Culture
- SS 415AM - American Culture
- SS 415CA - Culture and Health in Central America
- SS 415CH - Chinese Culture
- SS 415F - French Culture
- SS 415G - German Culture
- SS 415I - Introduction to Italian Culture
- SS 415IR - Irish Culture
- SS 415J - Japanese Culture
- SS 415LA - Latin American Culture
- SS 415N - Native American Culture
- SS 415P - Polish Culture
- SS 415R - Russian Culture
- SS 415S - Spanish Culture
- SS 453 - American Government
- SS 454 - Political Science
- SS 455 - International Relations
- SS 456 - Public Policy in Urban America
- SS 457 - Current Affairs
- SS 458 - Contemporary European Society
- SS 4595 - The Sustainable City
- SS 459H - Rethinking Cuba
- SS 460 - Foundations of Psychology
- SS 460H - Foundations of Psychology
- SS 461 - Organizational Psychology
- SS 462 - Developmental Psychology
- SS 463 - Psychology of Design
- SS 464 - Human Factors in Engineering and Design
- SS 465 - Cognitive Psychology

- SS 466 - Abnormal Psychology
- SS 467 - Social Psychology
- SS 4670 - Group Discussion
- SS 471 - Sociology
- SS 4715M - Middle Eastern Culture
- SS 472 - Social Problems
- SS 473 - Cultural Anthropology
- SS 473H - Cultural Anthropology
- SS 474 - The Family
- SS 475 - Addictions and Compulsions
- SS 476 - Death and Dying
- SS 477 - Adaptive Reuse and Tactical Urbanism in the 21st Century City
- SS 4795 - Latin American Society
- SS 492 - Instructional Design
- SS 495 - Social Science Selected Studies
- SS 45X - Political Science Elective
- SS 46X - Psychology Elective
- SS 47X - Sociology Elective
- SS 499 - Independent Study
- SS 415C - Czech Culture
- SS EL1 - Social Science Elective
- SS EL2 - Social Science Elective
- ANT 1001 - Cultural Anthropology
- ANT 2010 - Culture and Health in Central America
- ANT 2012 - Urban Agriculture: Past, Present, Future
- ANT 2020 - Native American Culture
- ANT 2980 - Topics in Anthropology
- ANT 2999 - Anthropology Independent Study
- ANT 3980 - Topics in Anthropology
- ANT 3999 - Anthropology Independent Study
- ANT 4980 - Topics in Anthropology
- ANT 4999 - Anthropology Independent Study
- PSC 2010 - Foundations of Political Science

- PSC 2011 - American Government
- PSC 2015 - International Relations
- PSC 2016 - Urban Studies
- PSC 2980 - Topics in Political Science
- PSC 2999 - Political Science Independent Study
- PSC 3980 - Topics in Political Science
- PSC 3999 - Political Science Independent Study
- PSC 4980 - Topics in Political Science
- PSC 4999 - Political Science Independent Study
- PSY 1001 - Foundations of Psychology
- PSY 2002 - Psychology of Design
- PSY 2003 - Organizational Psychology
- PSY 2005 - The Family: Psychological and Social Perspectives
- PSY 2006 - Death, Dying, and Grief
- PSY 2007 - Addictive and Compulsive Behavior
- PSY 2010 - Understanding Human Language
- PSY 2980 - Topics in Psychology
- PSY 2999 - Psychology Independent Study
- PSY 3001 - Cognitive Psychology
- PSY 3002 - Psychological Disorders and Mental Health
- PSY 3003 - Developmental Psychology
- PSY 3004 - Social Psychology
- PSY 3980 - Topics in Psychology
- PSY 3999 - Psychology Independent Study
- PSY 4980 - Topics in Psychology
- PSY 4999 - Psychology Independent Study
- SOC 1001 - Foundations of Sociology
- SOC 2980 - Topics in Sociology
- SOC 2999 - Sociology Independent Study
- SOC 3001 - Cybercrime: Human Perspectives
- SOC 3980 - Topics in Sociology
- SOC 3999 - Sociology Independent Study
- SOC 4001 - Digital Society
- SOC 4980 - Topics in Sociology

- SOC 4999 - Sociology Independent Study
- BME 1010 - Introduction to Biomedical Engineering
- BME 2310 - Embedded Systems for Biomedical Engineers
- BME 2961 - Introduction to Human Body Systems for Radiological Applications
- BME 2963 - Fundamentals of Medical Imaging and Imaging AI
- BME 3010 - Medical Device Regulation and Standards
- BME 3210 - Medical Imaging Systems
- BME 3310 - Sensors, Actuators, and Interfaces
- BME 3410 - Biomechanics
- BME 3510 - Biotransport Phenomena
- BME 3610 - Biomaterials
- BME 3710 - Biomedical Instrumentation I
- BME 3980T - Biomedical Topic: Integrated BME Lab
- BME 4110 - Control Systems for Biomedical Applications
- BME 4410 - Advanced Biomechanics
- BME 4710 - Biomedical Instrumentation II
- BME 4801 - Clinical Engineering Internship
- BME 4802 - Biomedical Engineering Research Internship
- BME 4901 - Biomedical Engineering Senior Design I
- BME 4902 - Biomedical Engineering Senior Design II
- BME 4910 - Lasers: Medical Applications
- BME 4980 - Topics in Biomedical Engineering
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards
- BME 4981 - Topics in Biomedical Engineering with Lab
- BME 4999 - Biomedical Engineering Independent Study
- CPE 1500 - Digital Logic
- CPE 1510 - Computer Architecture and Assembly Language
- CPE 2600 - Systems Programming
- CPE 2610 - Embedded Systems
- CPE 3300 - Computer Networking
- CPE 3600 - Advanced Embedded Systems
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture

- CPE 4520 - Memory System and I/O System Architecture
- CPE 4800 - Information Security
- CPE 4980 - Topics in Computer Engineering
- CPE 4981 - Topics in Computer Engineering with Lab
- CPE 4999 - Computer Engineering Independent Study
- ELE 1000 - Introduction to Electrical Engineering
- ELE 1601 - Introduction to Programming for EEs
- ELE 1801 - Transfer Digital Logic and Embedded Systems
- ELE 2001 - Electric Circuits I: Theory and Applications
- ELE 2011 - Electric Circuits II: Theory and Applications
- ELE 2051 - Circuit Theory for Mechanical Engineering
- ELE 2610 - Embedded Systems
- ELE 2801 - Bridge Digital Design and Procedural Programming
- ELE 3101 - Electronics I
- ELE 3111 - Electronics II
- ELE 3141 - Transfer Electronics
- ELE 3151 - Bridge Electronics II
- ELE 3201 - Electromagnetic Fields
- ELE 3211 - Electromagnetic Waves and T-lines
- ELE 3300 - Signals and Systems
- ELE 3310 - Introduction to Probability and Random Processes
- ELE 3320 - Digital Signal Processing
- ELE 3401 - Electric Power and Machines
- ELE 3510 - Digital Systems
- ELE 3701 - Control Systems
- ELE 3900 - Career and Professional Guidance
- ELE 4142 - Modern Electronic Systems
- ELE 4240 - Advanced Electromagnetics and Antenna Theory
- ELE 4300 - Principles of Communications
- ELE 4320 - Applications of DSP
- ELE 4403 - Specialty Electric Machines
- ELE 4440 - Power Electronics
- ELE 4447 - Power System Models and Analysis
- ELE 4451 - Grid Stability

- ELE 4480 - Electrical Power Systems Quality
- ELE 4610 - Advanced Programming for EEs
- ELE 4630 - Advanced Embedded Systems
- ELE 4701 - Control Systems Applications
- ELE 4901 - Electrical Engineering - Senior Design Project I
- ELE 4902 - Electrical Engineering - Senior Design Project II
- ELE 4940 - THL Bachelor Thesis
- ELE 4980T - EE Topic: Quarter Analog Electronics II
- ELE 4980 - Topics in Electrical Engineering
- ELE 4981 - Topics in Electrical Engineering with Laboratory
- ELE 4999 - Electrical Engineering Independent Study
- ELE 5142 - Modern Electronic Systems
- ELE 5240 - Advanced Electromagnetics and Antenna Theory
- ELE 5320 - Applications of DSP
- ELE 5440 - Power Electronics
- ELE 5480 - Electrical Power Systems Quality
- ELE 5610 - Advanced Programming for EEs
- ELE 5630 - Advanced Embedded Systems
- ELE 5980 - Topics in Electrical Engineering
- ELE 5981 - Topics in Electrical Engineering with Laboratory
- ACS 1130 - Introduction to Actuarial Science
- ACS 1530 - Financial Mathematics I
- ACS 1540 - Financial Mathematics II
- ACS 2740 - Risk Management and Insurance
- ACS 3410 - Linear Regression and Time Series
- ACS 3420 - Linear Models and Predictive Analytics
- ACS 3530 - Fundamentals of Actuarial Mathematics I
- ACS 3540 - Fundamentals of Actuarial Mathematics II
- ACS 3740 - Introduction to Asset Pricing
- ACS 4410 - Advanced Predictive Analytics
- ACS 4530 - Actuarial Life Contingency Models
- ACS 4630 - Actuarial Probability Models I
- ACS 4640 - Actuarial Probability Models II
- ACS 4740 - Quantitative Risk Management

- ACS 4901 - Actuarial Science Senior Capstone Project
- ACS 4980 - Topics in Actuarial Science
- ACS 4999 - Actuarial Science Independent Study
- ARE 2111 - Fundamentals of Electricity and Circuits
- ARE 2851 - Architectural Graphics
- ARE 2852 - Building Information Modeling
- ARE 2980 - Topics in Architectural Engineering
- ARE 3101 - Principles of Electrical Engineering for Buildings
- ARE 3121 - Design of Communication and Life Safety Systems
- ARE 3151 - Design of Lighting Systems
- ARE 3161 - Design of Power Systems
- ARE 3401 - Principles of Mechanical Engineering for Buildings
- ARE 3441 - Design of Fire Protection and Life Safety Systems
- ARE 3451 - Design of Mechanical Systems
- ARE 3461 - Design of Plumbing Systems
- ARE 3980 - Topics in Architectural Engineering
- ARE 4321 - Soil Mechanics and Foundations
- ARE 4901 - Architectural Engineering Capstone I
- ARE 4902 - Architectural Engineering Capstone II
- ARE 4980 - Topics in Architectural Engineering
- ARE 4999 - Architectural Engineering Independent Study
- ARE 5141 - District Energy Electrical Systems
- ARE 5151 - Design of Lighting Systems II
- ARE 5161 - Design of Power Systems II
- ARE 5162 - Electrical Power Quality for Buildings
- ARE 5421 - Design of Building Control Systems
- ARE 5431 - District Energy Mechanical Systems
- ARE 5451 - Design of Mechanical Systems II
- ARE 5452 - Design of Hydronic Systems
- ARE 5453 - Indoor Air Quality
- ARE 5871 - Commissioning
- ARE 5980 - Topics in Architectural Engineering
- CAE 1001 - Professional Growth I
- CAE 1811 - 1st Year Design

- CAE 1851 - Introduction to CAECM Graphics
- CAE 1871 - Materials and Methods
- CAE 1872 - Materials and Methods Laboratory
- CAE 2001 - Professional Growth II
- CAE 2411 - Thermal Sciences
- CAE 2511 - Statics
- CAE 2512 - Mechanics of Materials
- CAE 2711 - Fluid Mechanics
- CAE 2980 - Topics in Civil and Architectural Engineering
- CAE 2980T - CAE Topic: Quarter Building Construction Methods
- CAE 3001 - Professional Growth III
- CAE 3501 - Principles of Structural Engineering
- CAE 3511 - Analysis of Structures
- CAE 3521 - Design of Reinforced Concrete Structures
- CAE 3561 - Design of Steel Structures
- CAE 3861 - Specifications and the Project Manual
- CAE 3891 - Introduction to Disaster Relief and Global Sustainable Development
- CAE 3980 - Topics in Civil and Architectural Engineering
- CAE 3991 - CAECM Co-op Experience Continuation I
- CAE 3992 - CAECM Co-op Experience Completion I
- CAE 4811 - Real Estate Development Economics
- CAE 4861 - Construction Law and Contracts
- CAE 4881 - Sustainability and Resilience
- CAE 4901 - Architectural Engineering and Construction Management Capstone I
- CAE 4902 - Architectural Engineering and Construction Management Capstone II
- CAE 4980 - Topics in Civil and Architectural Engineering
- CAE 4991 - CAECM Co-op Experience Continuation II
- CAE 4992 - CAECM Co-op Experience Completion II
- CAE 4999 - Civil and Architectural Engineering Independent Study
- CAE 5461 - Water Reclamation and Treatment Systems
- CAE 5511 - Analysis of Structures by Matrix Methods

- CAE 5512 - Introduction to the Finite Element Method
- CAE 5521 - Design of Reinforced Concrete Structures II
- CAE 5522 - Design of Precast Concrete Structures
- CAE 5551 - Design of Masonry Structures
- CAE 5561 - Design of Steel Structures II
- CAE 5571 - Design of Wood and Timber Structures
- CAE 5591 - Design of Structural Systems
- CON 2001 - Introduction to Construction Management
- CON 2011 - Surveying
- CON 2071 - Construction Safety
- CON 2980 - Topics in Construction Management
- CON 3001 - Principles of Construction Project Management
- CON 3011 - Building Mechanical and Electrical Systems for CM
- CON 3021 - Construction Estimating
- CON 3061 - Construction Scheduling
- CON 3071 - Construction Jobsite and Equipment Management
- CON 3980 - Topics in Construction Management
- CON 4021 - Construction Finance and Accounting
- CON 4051 - Construction Project Management II
- CON 4901 - Construction Management Capstone I
- CON 4902 - Construction Management Capstone II
- CON 4980 - Topics in Construction Management
- CON 4999 - Construction Management Independent Study
- CON 5011 - Lean Construction and Resource Management
- CON 5051 - Construction Project Leadership
- CON 5980 - Topics in Computer Science
- CVE 2851 - Introduction to Civil 3D
- CVE 2852 - Introduction to Geographic Information Systems (GIS)
- CVE 2980 - Topics in Civil Engineering
- CVE 3201 - Principles of Environmental Engineering
- CVE 3251 - Design of Municipal Potable Water and Wastewater Treatment Plants
- CVE 3301 - Principles of Soils and Geotechnical Engineering
- CVE 3601 - Principles of Transportation Engineering

- CVE 3611 - Traffic Engineering
- CVE 3661 - Geometric Design of Roadways
- CVE 3701 - Principles of Water Resources Engineering
- CVE 3721 - Analysis and Design of Potable Water Distribution Systems and Wastewater Collection Systems
- CVE 3741 - Design of Stormwater Management Systems
- CVE 3811 - Principles of Site Development
- CVE 3980 - Topics in Civil Engineering
- CVE 4901 - Civil Engineering Capstone I
- CVE 4902 - Civil Engineering Capstone II
- CVE 4980 - Topics in Civil Engineering
- CVE 4999 - Civil Engineering Independent Study
- CVE 5201 - Environmental and Water Law
- CVE 5211 - Air Quality
- CVE 5221 - Environmental Chemistry for Civil Engineers
- CVE 5222 - Environmental Microbiology
- CVE 5241 - Solid Waste Engineering and Design
- CVE 5321 - Design of Foundations
- CVE 5331 - Retaining Structures and Slope Stability
- CVE 5611 - Traffic Analysis
- CVE 5621 - Design and Planning of Airports
- CVE 5631 - Design and Bridges
- CVE 5661 - Pavement Design
- CVE 5681 - Traffic Control
- CVE 5721 - Hydraulic Design
- CVE 5731 - Physical Hydrogeology
- CVE 5741 - Hydrology
- CVE 5811 - Applied Statistics and Modeling
- CVE 5980 - Topics in Civil Engineering
- COM 1001 - College Writing
- COM 2001 - Writing for the STEM Disciplines
- COM 2980 - Topics in Communication
- COM 2999 - Communication Independent Study
- COM 3001 - Professional Presentations

- COM 3980 - Topics in Communication
- COM 3999 - Communication Independent Study
- COM 4980 - Topics in Communication
- COM 4999 - Communication Independent Study
- UXD 1001 - Human-Centered Design
- UXD 1020 - Visual Design
- UXD 1030 - Interface Design
- UXD 1040 - Design Thinking
- UXD 2010 - Inclusive Design
- UXD 2020 - Interaction Design
- UXD 2030 - Designing for Extended Reality
- UXD 2040 - People + Automation
- UXD 2050 - UX Writing
- UXD 2961 - Human-centered AI
- UXD 2963 - Intelligent User Interfaces
- UXD 2980 - Topics in User Experience
- UXD 2999 - User Experience Independent Study
- UXD 3010 - UX Research
- UXD 3020 - Design for Chat and Voice
- UXD 3030 - Data Visualization
- UXD 3040 - Agile Project Management
- UXD 3050 - Search Engine Optimization
- UXD 3060 - Professional Portfolio
- UXD 3980 - Topics in User Experience
- UXD 3999 - User Experience Independent Study
- UXD 4020 - UX of Physical Products
- UXD 4030 - UX Strategy
- UXD 4040 - UX in Transportation
- UXD 4060 - UX in Healthcare
- UXD 4801 - UX Internship
- UXD 4901 - UX Senior Design
- UXD 4980 - Topics in User Experience
- UXD 4999 - User Experience Independent Study
- CSE 3991 - Co-op Experience Continuation I

- CSE 3992 - Co-op Experience Completion I
- CSE 4991 - Co-op Experience Continuation II
- CSE 4992 - Co-op Experience Completion II
- IND 1000 - Introduction to Industrial Engineering
- IND 2010 - Logic Development and Computer Programming for Engineers
- IND 2030 - Applied Statistics for Industrial Engineers
- IND 2700 - Engineering Economics
- IND 3210 - Automation Technologies
- IND 3400 - Quality Systems
- IND 3410 - Design of Experiments and Data Analysis for Engineers
- IND 3510 - Fundamentals of Enterprise Operations for Engineers
- IND 3600 - Ergonomics and Work Methods
- IND 3700 - Project Management for Systems Change
- IND 3810 - Process Modelling and Optimization
- IND 3820 - Stochastic Processes
- IND 4110 - Research Methods
- IND 4120 - Healthcare Systems Engineering
- IND 4210 - Computer-Aided Manufacturing/CNC Machining/Additive Manufacturing
- IND 4310 - Production Planning and Inventory Control
- IND 4320 - Facilities Design
- IND 4330 - Modern Manufacturing Processes
- IND 4410 - Six Sigma for Engineers
- IND 4430 - Lean Manufacturing Enterprise for Engineers
- IND 4610 - Safety Service Engineering
- IND 4621 - Sociotechnical Systems Engineering
- IND 4622 - Organization and Job Design
- IND 4630 - Product Design and Development Processes
- IND 4710 - Financial Engineering
- IND 4720 - Supply Chain Engineering
- IND 4830 - Process Simulation
- IND 4840 - Advanced Simulation
- IND 4901 - Industrial Engineering Senior Design Capstone I

- IND 4902 - Industrial Engineering Senior Design Capstone II
- IND 4980 - Topics in Industrial Engineering
- IND 4999 - Industrial Engineering Independent Study
- MEC 1602 - Introduction to Solid Modeling and Design
- MEC 1900 - Introduction to Mechanical Engineering
- MEC 1910 - Computer Applications in Engineering
- MEC 2010 - Engineering Mechanics I: Statics
- MEC 2020 - Engineering Mechanics II: Dynamics
- MEC 2030 - Mechanics of Materials
- MEC 2110 - Thermodynamics I
- MEC 2501 - Statics and Mechanics of Materials
- MEC 3040 - Computer-Aided Design of Machines
- MEC 3060 - Design of Machine Components
- MEC 3120 - Fluid Mechanics
- MEC 3130 - Heat Transfer
- MEC 3140 - Thermodynamics II
- MEC 3210 - Material Science
- MEC 3220 - Materials and Manufacturing Processes
- MEC 3310 - Instrumentation and Measurements
- MEC 3320 - Dynamic Systems
- MEC 3991 - Co-op Experience Continuation I
- MEC 3992 - Co-op Experience Completion I
- MEC 4060 - Finite Element Analysis
- MEC 4160 - Computational Fluid Dynamics
- MEC 4270 - Fatigue and Fracture in Mechanical Design
- MEC 4310 - Automatic Control Systems
- MEC 4470 - Introduction to Robotics
- MEC 4670 - Experimental Stress Analysis
- MEC 4671 - Vibration Control
- MEC 4672 - Applications in Finite Element Modeling
- MEC 4673 - Advanced Machine Design
- MEC 4674 - Medical Applications in Mechanical Engineering
- MEC 4675 - Vehicle Dynamics
- MEC 4676 - Composite Materials

- MEC 4677 - Applied Numerical Methods
- MEC 4770 - Fluid Power Systems
- MEC 4810 - Thermo-Fluid Systems Lab
- MEC 4870 - HVAC Systems Design
- MEC 4871 - Aerodynamics
- MEC 4872 - Compressible Flow
- MEC 4873 - Gas Turbines and Aircraft Engines
- MEC 4874 - Renewable and Sustainable Energy Systems
- MEC 4875 - Internal Combustion Engines
- MEC 4901 - Mechanical Engineering Capstone Design I
- MEC 4902 - Mechanical Engineering Capstone Design II
- MEC 4950 - THL Bachelor's Thesis
- MEC 4980 - Topics in Mechanical Engineering
- MEC 4991 - Co-op Experience Continuation II
- MEC 4992 - Co-op Experience Completion II
- MEC 4999 - Mechanical Engineering Independent Study
- MEC 5601 - MicroElectroMechanical System Fundamentals
- NUR 1000 - Introduction to Professional Nursing Practice
- NUR 2000 - Nutrition in Health and Illness Across the Life Span
- NUR 2001 - Pathophysiology and Pharmacology I
- NUR 2002 - Pathophysiology and Pharmacology II
- NUR 2003 - Pathophysiology
- NUR 2004 - Pharmacology
- NUR 2010 - Health Assessment
- NUR 2015 - Health Assessment and Foundations of Safe, Person-Centered Nursing Care
- NUR 2020 - Foundations of Safe, Person-Centered Nursing Care
- NUR 2500 - Global Health Care and International Health Care Systems
- NUR 3000 - Transcultural and Family Dynamics in Healthcare
- NUR 3001 - Transcultural Dynamics in Healthcare
- NUR 3005 - Nursing Care of Older Adults
- NUR 3006 - Gerontological Management of Care
- NUR 3010 - Episodic Health Challenges
- NUR 3011 - Acquisition of Psychomotor Skills and Integration of

Clinical Reasoning I

- NUR 3015 - Episodic and Restorative Health Care
- NUR 3016 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning
- NUR 3020 - Chronic Health Challenges
- NUR 3021 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning II
- NUR 3030 - Population Health
- NUR 3100 - Principles of Electrocardiograph (ECG) Interpretation and Monitoring
- NUR 3320 - Complementary and Integrative Health Therapies
- NUR 3950 - Interprofessional Education (IPE)
- NUR 4001 - Preparing for NCLEX Licensure Success
- NUR 4010 - Supportive Care for End-of-Life, Mental Health, and Trauma-Informed Care
- NUR 4015 - Chronic Health Challenges
- NUR 4020 - Complex High Acuity Health Challenges
- NUR 4030 - Practice Synthesis: Preceptorship and Simulations
- NUR 4901 - Nursing Research and Evidence-Based Practice
- NUR 4902 - Nurses as Leaders in Advancing Health Care
- NUR 4980 - Topics in Nursing
- NUR 4990 - Instructional Review
- NUR 4999 - Nursing Independent Study
- HON 2011 - Honors Practicum
- HON 2051 - Honors Seminar I
- HON 2052 - Honors Seminar II
- HON 2060 - Honors Travel Experience
- HON 2980 - Honors Special Topics
- HON 2999 - Honors Independent Study
- HON 3060 - Honors Research/Entrepreneur Experience
- HON 3980 - Honors Special Topics
- HON 4060 - Honors Senior Reflection
- HON 4999 - Honors Independent Study
- UGR 4970 - Undergraduate Research Experience

- UGR 4971 - Undergraduate Research Thesis I
- UGR 4972 - Undergraduate Research Thesis II
- IDS 2020 - Career Development
- IDS 3901 - Interdisciplinary Design
- PLC HU - Placeholder for HU Course
- PLC SS - Placeholder for SS Course
- PLC PROG - Placeholder for Program Course
- PLC MS - Placeholder for Math/Science Course
- CSC 2210 - Procedural and Object-Oriented C++
- CSC 2611 - AI Tools
- CSC 2621 - Introduction to Data Science
- CSC 2661 - Python for AI
- CSC 2663 - Machine Learning Techniques
- SWE 2410 - Design and Cloud Patterns
- SWE 2511 - Web Applications
- SWE 2710 - Software Tools and Process
- SWE 2721 - Introduction to Software Verification
- CSC 3210 - Operating Systems
- CSC 3310 - Algorithms and Advanced Data Structures
- CSC 3320 - Databases
- CSC 3511 - Security and Networking
- CSC 4241 - GPU Programming
- CSC 4243 - Compiler Construction
- CSC 4245 - Linux Administration
- CSC 4341 - Competitive Programming
- CSC 4601 - Theory of Machine Learning
- CSC 4611 - Introduction to Deep Learning
- CSC 4631 - Artificial Intelligence
- CSC 4641 - Natural Language Processing
- CSC 4801 - Data Science Practicum
- CSC 4911 - Mobile Application Development
- CSC 4941 - Robotics
- CSC 4980 - Topics in Computer Science
- CSC 4981 - Topics in Computer Science with Lab

- CSC 4999 - Computer Science Independent Study
- CSC 5201 - Microservices and Cloud Computing
- CSC 5241 - GPU Programming
- CSC 5601 - Theory of Machine Learning
- CSC 5610 - AI Tools and Paradigms
- CSC 5611 - Deep Learning
- CSC 5980 - Topics in Computer Science
- CSC 5981 - Topics in Computer Science with Lab
- SWE 3411 - Software Requirements and Architecture
- SWE 3710 - Software Development Laboratory I
- SWE 3720 - Software Development Laboratory II
- SWE 4211 - Real-time Systems
- SWE 4411 - Game Development
- SWE 4511 - DevSecOps
- SWE 4540 - Network Security Tools and Practices
- SWE 4541 - Penetration Testing
- SWE 4980 - Topics in Software Engineering
- SWE 4981 - Topics in Software Engineering with Lab
- SWE 4999 - Software Engineering Independent Study

EL LabS - Lab Sciences Elective

- BI 102 - Cell Biology and Genetics
- BI 2305 - Physiology I
- CH 200 - Chemistry I
- CH 201 - Chemistry II
- CH 223 - Biochemistry
- PH 2011 - Physics I - Mechanics
- PH 2021 - Physics II - ElectroMagnetism
- PH 2031 - Waves, Optics, Thermodynamics, and Quantum Physics
- BIO 1110 - Cell Biology and Genetics
- BIO 1410 - Human Anatomy & Physiology I
- BIO 1420 - Human Anatomy & Physiology II
- BIO 2310 - Clinical Microbiology and Genomics

- BIO 2520 - Human Physiology II
- CHM 1010 - Chemistry I
- CHM 1020 - Chemistry II
- CHM 1310 - Chemistry of Food Molecules
- CHM 2310 - Biochemistry
- CHM 3510 - Advanced Analytical Chemistry
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices
- SCI 1610 - Environmental Science

EL MS - Math/Science Elective

- BI 1001 - Principles of Biomedical Sciences
- BI 1002 - Human Body Systems
- BI 1003 - Medical Interventions
- BI 1010 - Human Anatomy and Physiology I
- BI 1010A - Human Anatomy and Physiology I
- BI 102 - Cell Biology and Genetics
- BI 1020 - Human Anatomy and Physiology II
- BI 1030 - Human Anatomy and Physiology III
- BI 1980T - Biology Topic: Anatomy and Physiology I
- BI 1980U - Biology Topic: Anatomy and Physiology II
- BI 1980V - Biology Topic: Anatomy and Physiology III
- BI 2020 - Cellular Microbiology
- BI 2040 - Human Anatomy and Physiology IV
- BI 2305 - Physiology I
- BI 2306 - Human Physiology I
- BI 2315 - Physiology II
- BI 2316 - Human Physiology II
- BI 256 - Microbiology
- BI 3100 - Stem Cell and Cancer Biology
- BI 3350 - Introduction to Genomics: Concepts and Technologies
- BI 4980 - Topics in Biology

- BI 499 - Life Science Independent Study
- BI 172 - Human Anatomy and Physiology I
- CH 200 - Chemistry I
- CH 200A - Chemistry I
- CH 200B - Chemistry I
- CH 201 - Chemistry II
- CH 2050 - General Chemistry for Life Sciences
- CH 222 - Organic Chemistry I
- CH 223 - Biochemistry
- CH 2250 - Organic Chemistry for Life Sciences
- CH 2251 - Organic Chemistry for Life Sciences
- CH 2261 - Biochemistry for Life Sciences
- CH 302 - Chemistry III
- CH 3020 - Food Chemistry
- CH 303 - Chemistry III Lab
- CH 310 - Applied Chemistry
- CH 322 - Organic Chemistry II
- CH 323 - Organic Chemistry II Lab
- CH 353 - Fundamentals of Environmental Chem
- CH 3650 - Materials Chemistry
- CH 3660 - Surface Properties of Materials
- CH 3670 - Polymer Chemistry
- CH 371 - Modern Biotechnology
- CH 373 - Advanced Biotechnology
- CH 401 - Topics in Chemistry
- CH 499 - Independent Study
- PH 2011 - Physics I - Mechanics
- PH 2011A - Physics I - Mechanics
- PH 2021 - Physics II - ElectroMagnetism
- PH 2031 - Waves, Optics, Thermodynamics, and Quantum Physics
- PH 320 - Lasers and Applications
- PH 322 - Intro-Optics and Photonics
- PH 324 - Fiber Optics/Fiber Optic Sensors
- PH 325 - Acoustics & Illumination

- PH 341 - Intro-Astronomy/Astrophysics
- PH 342 - Relativity and Cosmology
- PH 352 - Quantum Physics
- PH 354 - Nuclear Power, Applications and Safety
- PH 3600 - Physics of Semiconductor Materials and Devices
- PH 361 - Physics of Materials
- PH 3710 - Intro to Biophysics
- PH 401 - Topics in Physics
- PH 499 - Independent Study
- PH 2010 - Physics I - Mechanics
- PH 2020 - Physics II–Electromagnetism/Optics
- PH 2030 - Physics III
- SC 310 - Nanoscience and Nanotechnology
- SC 370 - Geology and Geophysics
- SC 371 - Oceanography
- SC 499 - Independent Study
- PH 1980T - Physics Topic: Waves, Relativity, Thermo
- MA 2323 - Calculus IV
- MA 232 - Calculus IV
- MA 235 - Differential Equations
- MA 2320 - Introduction to Graph Theory
- MA 262 - Probability and Statistics
- MA 327 - Mathematical Modeling
- MA 330 - Vector Analysis
- MA 343 - Linear Programming
- MA 344 - Nonlinear Programming
- MA 380 - Advanced Differential Equations
- MA 381 - Complex Variables
- MA 382 - Laplace and Fourier Transforms
- MA 383 - Linear Algebra
- MA 384 - Statistical Methods for Use in Research
- MA 385 - Modern Algebra with Applications
- MA 386 - Functions of a Real Variable
- MA 387 - Partial Differential Equations

- MA 388 - Introduction to Number Theory
- MA 3320 - Discrete Mathematics II
- MA 3710 - Mathematical Biology
- MA 461 - Applied Probability Models
- MA 499 - Independent Study
- MTH 2980T - Mathematics Topic: Quarter Calculus III
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV
- MTH 2130 - Calculus III
- MTH 2140 - Differential Equations
- MTH 2340 - Linear Algebra with Applications
- MTH 2480 - Probability and Statistics
- MTH 3340 - Abstract Algebra with Applications
- MTH 3410 - Applied Regression Analysis
- MTH 4130 - Complex Analysis
- MTH 4150 - Partial Differential Equations
- BIO 2320 - Cellular Microbiology
- BIO 2510 - Human Physiology I
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo
- CHM 3850 - Food Chemistry
- SCI 3750 - Nanoscience and Nanotechnology

EL PUT - Program Elective (Upper Technical)

- BE 3005 - Professional Topics in BME
- BE 3015 - Biomedical Engineering Design I
- BE 3205 - Introduction to Sensors and Actuators
- BE 3405 - Biomedical Device Evaluation
- BE 3500 - Bio-thermal-fluid Transport I
- BE 3510 - Bio-thermal-fluid Transport 2
- BE 3515 - Bio-thermal-fluid Transport II
- BE 3705 - Biomedical Electronics and Instrumentation
- BE 3905 - Biomedical Combined Laboratory I
- BE 3915 - Combined Lab II: Physiology, DSP & Biomechanics
- BE 4005 - Biomedical Engineering Design II

- BE 4015 - Biomedical Engineering Design III
- BE 4025 - Biomedical Engineering Design IV
- BE 410 - Biomaterials
- BE 411 - Biomechanics
- BE 4205 - Medical Imaging Systems
- BE 4340 - Advanced Topics in Biomedical Digital Signal Processing
- BE 4705 - Biomedical Electronics and Instrumentation II
- BE 4805 - Biomedical System Dynamics
- BE 4815 - Biomedical Feedback Control Systems
- BE 4961 - Introduction to Human Body Systems for Radiological Applications
- BE 4962 - Fundamentals of Medical Imaging
- BE 4963 - Best Practices in Visualization and Labeling of Medical Images
- BE 4975 - Biomedical Research Internship
- BE 4980 - Independent Study
- BE 499 - Clinical Internship
- BE 4990 - Topics in Biomedical Engineering
- BE 4991 - Topics in Biomedical Engineering with Laboratory
- CE 3101 - Digital Electronics and Computer Interfacing
- CE 3200 - Wireless Sensor Networks
- CE 4100 - Embedded System Fabrication
- CE 4800 - Advanced Digital Design
- CE 493 - Advanced Digital Design
- CE 4930 - Computer Architecture II
- CE 4940 - VLSI Design Techniques
- CE 4951 - Networking I
- CE 4970 - Topics in Computer Engineering with Laboratory
- CE 498 - Topics in Computer Engineering
- CE 499 - Independent Study
- CS 3040 - Programming Languages and Translators
- CS 3300 - Data Science
- CS 3310 - Data Science Practicum
- CS 3400 - Machine Learning

- CS 3450 - Deep Learning
- CS 3840 - Operating Systems
- CS 3851 - Algorithms
- CS 3860 - Database Systems
- CS 4210 - Advanced Computer Graphics
- CS 4230 - Distributed and Cloud Computing
- CS 4830 - Computer Vision
- CS 4850 - Machine Learning
- CS 4860 - C# and Program Language Design
- CS 4881 - Artificial Intelligence
- CS 4920 - Information Security
- CS 4961 - Python for AI
- CS 4962 - Machine Learning Tools
- CS 4963 - Deep Learning and Neural Networks
- CS 4980 - Topics in Computer Science
- CS 4981 - Topics in Computer Science with Laboratory
- CS 4999 - Independent Study
- CS 5980 - Topics in Computer Science
- CS 5981 - Topics in Computer Science with Lab
- CS 498 - Topics in Computer Science
- EE 3001B - Signals and Circuits I
- EE 3002B - Signals and Circuits II
- EE 3032 - Signals and Systems
- EE 3050 - Dynamic Systems
- EE 3051B - Dynamic Systems
- EE 3102 - Analog Electronics I
- EE 3112 - Analog Electronics II
- EE 3204 - Electric and Magnetic Fields
- EE 3214 - Electromagnetic Waves
- EE 3221 - Digital Signal Processing
- EE 3401 - Electromechanical Energy Conversion
- EE 3720 - Control Systems
- EE 3900B - Design of Logic Systems
- EE 3910B - Embedded Systems

- EE 3921 - Digital System Design
- EE 4022 - Principles of Communications
- EE 4050 - Low-Noise Analog System Design
- EE 4112 - Advanced Analog Electronics
- EE 4142 - Power Electronics
- EE 421 - Digital Communication Systems
- EE 423 - Applications of Digital Signal Processing
- EE 4240 - Software-Defined Radio
- EE 425 - Radio Frequency Circuit Design
- EE 4250 - Advanced Signal Processing
- EE 426 - Advanced Electromagnetic Fields
- EE 4280 - Antenna Theory and Wireless Applications
- EE 429 - Microwave Engineering
- EE 4403 - Specialty Electric Machines
- EE 444 - Power Electronics
- EE 4451 - Bulk Electric System Stability and Control
- EE 447 - Power System Analysis I
- EE 4480 - Electrical Power Systems Quality
- EE 449 - Power System Analysis II
- EE 4601 - Modeling and Simulation of Dynamic Systems
- EE 4720 - Control Systems Applications
- EE 484 - Neural Networks
- EE 4901 - Electrical Engineering Cooperative Practicum 1
- EE 4902 - Electrical Engineering Cooperative Practicum 2
- EE 4903 - Electrical Engineering Cooperative Practicum 3
- EE 4930 - Advanced Embedded Systems
- EE 4980 - Topics in Electrical Engineering
- EE 4981 - Topics in Electrical Engineering with Laboratory
- EE 499 - Independent Study
- EE 499G - Independent Study - German Students
- EE 5280 - Antenna Theory and Wireless Applications
- EE 5403 - Specialty Electric Machines
- EE 5451 - Bulk Electric System Stability and Control
- EE 5981 - Electrical Engineering Special Topics with Laboratory

- EE 3031 - Signals and Systems
- EE 3101 - Operational Amplifier Design
- EE 3111 - Electronic Devices and Circuits
- EE 3220 - Digital Signal Processing
- EE 5480 - Electrical Power Systems Quality
- SE 3010 - Software Development Laboratory I
- SE 3020 - Software Development Laboratory II
- SE 3030 - Software Development Laboratory III
- SE 3250 - Introduction to Game Development
- SE 3800 - Software Engineering Process II
- SE 3830 - Human-Computer Interaction
- SE 3910 - Real-Time Systems
- SE 4840 - Software Maintenance and Craftsmanship
- SE 4910 - Mobile Application Development
- SE 4910I - Mobile Application Development-iOS
- SE 4930 - Developing Secure Software
- SE 4940 - Network Security Tools and Practices
- SE 4980 - Topics in Software Engineering
- SE 4981 - Topics in Software Engineering with Laboratory
- SE 4999 - Independent Study
- SE 5890 - Topics in Software Engineering
- SE 5981 - Topics in Software Engineering with Lab
- SE 400 - Senior Design Project I
- SE 401 - Senior Design Project II
- SE 402 - Senior Design Project III
- SE 498 - Topics in Software Engineering
- BME 3010 - Medical Device Regulation and Standards
- BME 3210 - Medical Imaging Systems
- BME 3310 - Sensors, Actuators, and Interfaces
- BME 3410 - Biomechanics
- BME 3510 - Biotransport Phenomena
- BME 3610 - Biomaterials
- BME 3710 - Biomedical Instrumentation I
- BME 3980T - Biomedical Topic: Integrated BME Lab

- BME 4110 - Control Systems for Biomedical Applications
- BME 4410 - Advanced Biomechanics
- BME 4710 - Biomedical Instrumentation II
- BME 4801 - Clinical Engineering Internship
- BME 4802 - Biomedical Engineering Research Internship
- BME 4910 - Lasers: Medical Applications
- BME 4980 - Topics in Biomedical Engineering
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards
- BME 4981 - Topics in Biomedical Engineering with Lab
- BME 4999 - Biomedical Engineering Independent Study
- CPE 3300 - Computer Networking
- CPE 3600 - Advanced Embedded Systems
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture
- CPE 4520 - Memory System and I/O System Architecture
- CPE 4800 - Information Security
- CPE 4980 - Topics in Computer Engineering
- CPE 4981 - Topics in Computer Engineering with Lab
- CPE 4999 - Computer Engineering Independent Study
- CSC 3210 - Operating Systems
- CSC 3310 - Algorithms and Advanced Data Structures
- CSC 3320 - Databases
- CSC 3511 - Security and Networking
- CSC 4241 - GPU Programming
- CSC 4243 - Compiler Construction
- CSC 4245 - Linux Administration
- CSC 4341 - Competitive Programming
- CSC 4601 - Theory of Machine Learning
- CSC 4611 - Introduction to Deep Learning
- CSC 4631 - Artificial Intelligence
- CSC 4641 - Natural Language Processing
- CSC 4801 - Data Science Practicum
- CSC 4911 - Mobile Application Development
- CSC 4941 - Robotics

- CSC 4980 - Topics in Computer Science
- CSC 4981 - Topics in Computer Science with Lab
- CSC 4999 - Computer Science Independent Study
- CSC 5201 - Microservices and Cloud Computing
- CSC 5241 - GPU Programming
- CSC 5601 - Theory of Machine Learning
- CSC 5610 - AI Tools and Paradigms
- CSC 5611 - Deep Learning
- CSC 5980 - Topics in Computer Science
- CSC 5981 - Topics in Computer Science with Lab
- ELE 3101 - Electronics I
- ELE 3111 - Electronics II
- ELE 3141 - Transfer Electronics
- ELE 3151 - Bridge Electronics II
- ELE 3201 - Electromagnetic Fields
- ELE 3211 - Electromagnetic Waves and T-lines
- ELE 3300 - Signals and Systems
- ELE 3310 - Introduction to Probability and Random Processes
- ELE 3320 - Digital Signal Processing
- ELE 3401 - Electric Power and Machines
- ELE 3510 - Digital Systems
- ELE 3701 - Control Systems
- ELE 4142 - Modern Electronic Systems
- ELE 4240 - Advanced Electromagnetics and Antenna Theory
- ELE 4300 - Principles of Communications
- ELE 4320 - Applications of DSP
- ELE 4403 - Specialty Electric Machines
- ELE 4440 - Power Electronics
- ELE 4447 - Power System Models and Analysis
- ELE 4451 - Grid Stability
- ELE 4480 - Electrical Power Systems Quality
- ELE 4610 - Advanced Programming for EEs
- ELE 4630 - Advanced Embedded Systems
- ELE 4701 - Control Systems Applications

- ELE 4940 - THL Bachelor Thesis
- ELE 4980T - EE Topic: Quarter Analog Electronics II
- ELE 4980 - Topics in Electrical Engineering
- ELE 4981 - Topics in Electrical Engineering with Laboratory
- ELE 4999 - Electrical Engineering Independent Study
- ELE 5142 - Modern Electronic Systems
- ELE 5240 - Advanced Electromagnetics and Antenna Theory
- ELE 5320 - Applications of DSP
- ELE 5440 - Power Electronics
- ELE 5480 - Electrical Power Systems Quality
- ELE 5610 - Advanced Programming for EEs
- ELE 5630 - Advanced Embedded Systems
- ELE 5980 - Topics in Electrical Engineering
- ELE 5981 - Topics in Electrical Engineering with Laboratory
- SWE 3411 - Software Requirements and Architecture
- SWE 3710 - Software Development Laboratory I
- SWE 3720 - Software Development Laboratory II
- SWE 4211 - Real-time Systems
- SWE 4411 - Game Development
- SWE 4511 - DevSecOps
- SWE 4540 - Network Security Tools and Practices
- SWE 4541 - Penetration Testing
- SWE 4980 - Topics in Software Engineering
- SWE 4981 - Topics in Software Engineering with Lab
- SWE 4999 - Software Engineering Independent Study
- UXD 3030 - Data Visualization

ELC Free - Free Elective

- BME 1010 - Introduction to Biomedical Engineering
- BME 2310 - Embedded Systems for Biomedical Engineers
- BME 2961 - Introduction to Human Body Systems for Radiological Applications
- BME 2963 - Fundamentals of Medical Imaging and Imaging AI

- BME 3010 - Medical Device Regulation and Standards
- BME 3210 - Medical Imaging Systems
- BME 3310 - Sensors, Actuators, and Interfaces
- BME 3410 - Biomechanics
- BME 3510 - Biotransport Phenomena
- BME 3610 - Biomaterials
- BME 3710 - Biomedical Instrumentation I
- BME 3980T - Biomedical Topic: Integrated BME Lab
- BME 4110 - Control Systems for Biomedical Applications
- BME 4410 - Advanced Biomechanics
- BME 4710 - Biomedical Instrumentation II
- BME 4801 - Clinical Engineering Internship
- BME 4802 - Biomedical Engineering Research Internship
- BME 4901 - Biomedical Engineering Senior Design I
- BME 4902 - Biomedical Engineering Senior Design II
- BME 4910 - Lasers: Medical Applications
- BME 4980 - Topics in Biomedical Engineering
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards
- BME 4981 - Topics in Biomedical Engineering with Lab
- BME 4999 - Biomedical Engineering Independent Study
- CPE 1500 - Digital Logic
- CPE 1510 - Computer Architecture and Assembly Language
- CPE 2600 - Systems Programming
- CPE 2610 - Embedded Systems
- CPE 3300 - Computer Networking
- CPE 3600 - Advanced Embedded Systems
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture
- CPE 4520 - Memory System and I/O System Architecture
- CPE 4800 - Information Security
- CPE 4980 - Topics in Computer Engineering
- CPE 4981 - Topics in Computer Engineering with Lab
- CPE 4999 - Computer Engineering Independent Study
- ELE 1000 - Introduction to Electrical Engineering

- ELE 1601 - Introduction to Programming for EEs
- ELE 1801 - Transfer Digital Logic and Embedded Systems
- ELE 2001 - Electric Circuits I: Theory and Applications
- ELE 2011 - Electric Circuits II: Theory and Applications
- ELE 2051 - Circuit Theory for Mechanical Engineering
- ELE 2610 - Embedded Systems
- ELE 2801 - Bridge Digital Design and Procedural Programming
- ELE 3101 - Electronics I
- ELE 3111 - Electronics II
- ELE 3141 - Transfer Electronics
- ELE 3151 - Bridge Electronics II
- ELE 3201 - Electromagnetic Fields
- ELE 3211 - Electromagnetic Waves and T-lines
- ELE 3300 - Signals and Systems
- ELE 3310 - Introduction to Probability and Random Processes
- ELE 3320 - Digital Signal Processing
- ELE 3401 - Electric Power and Machines
- ELE 3510 - Digital Systems
- ELE 3701 - Control Systems
- ELE 3900 - Career and Professional Guidance
- ELE 4142 - Modern Electronic Systems
- ELE 4240 - Advanced Electromagnetics and Antenna Theory
- ELE 4300 - Principles of Communications
- ELE 4320 - Applications of DSP
- ELE 4403 - Specialty Electric Machines
- ELE 4440 - Power Electronics
- ELE 4447 - Power System Models and Analysis
- ELE 4451 - Grid Stability
- ELE 4480 - Electrical Power Systems Quality
- ELE 4610 - Advanced Programming for EEs
- ELE 4630 - Advanced Embedded Systems
- ELE 4701 - Control Systems Applications
- ELE 4901 - Electrical Engineering - Senior Design Project I
- ELE 4902 - Electrical Engineering - Senior Design Project II

- ELE 4940 - THL Bachelor Thesis
- ELE 4980T - EE Topic: Quarter Analog Electronics II
- ELE 4980 - Topics in Electrical Engineering
- ELE 4981 - Topics in Electrical Engineering with Laboratory
- ELE 4999 - Electrical Engineering Independent Study
- ELE 5142 - Modern Electronic Systems
- ELE 5240 - Advanced Electromagnetics and Antenna Theory
- ELE 5320 - Applications of DSP
- ELE 5440 - Power Electronics
- ELE 5480 - Electrical Power Systems Quality
- ELE 5610 - Advanced Programming for EEs
- ELE 5630 - Advanced Embedded Systems
- ELE 5980 - Topics in Electrical Engineering
- ELE 5981 - Topics in Electrical Engineering with Laboratory
- ACS 1130 - Introduction to Actuarial Science
- ACS 1530 - Financial Mathematics I
- ACS 1540 - Financial Mathematics II
- ACS 2740 - Risk Management and Insurance
- ACS 3410 - Linear Regression and Time Series
- ACS 3420 - Linear Models and Predictive Analytics
- ACS 3530 - Fundamentals of Actuarial Mathematics I
- ACS 3540 - Fundamentals of Actuarial Mathematics II
- ACS 3740 - Introduction to Asset Pricing
- ACS 4410 - Advanced Predictive Analytics
- ACS 4530 - Actuarial Life Contingency Models
- ACS 4630 - Actuarial Probability Models I
- ACS 4640 - Actuarial Probability Models II
- ACS 4740 - Quantitative Risk Management
- ACS 4901 - Actuarial Science Senior Capstone Project
- ACS 4980 - Topics in Actuarial Science
- ACS 4999 - Actuarial Science Independent Study
- ARE 2111 - Fundamentals of Electricity and Circuits
- ARE 2851 - Architectural Graphics
- ARE 2852 - Building Information Modeling

- ARE 2980 - Topics in Architectural Engineering
- ARE 3101 - Principles of Electrical Engineering for Buildings
- ARE 3121 - Design of Communication and Life Safety Systems
- ARE 3151 - Design of Lighting Systems
- ARE 3161 - Design of Power Systems
- ARE 3401 - Principles of Mechanical Engineering for Buildings
- ARE 3441 - Design of Fire Protection and Life Safety Systems
- ARE 3451 - Design of Mechanical Systems
- ARE 3461 - Design of Plumbing Systems
- ARE 3821 - Architectural History
- ARE 3980 - Topics in Architectural Engineering
- ARE 4321 - Soil Mechanics and Foundations
- ARE 4901 - Architectural Engineering Capstone I
- ARE 4902 - Architectural Engineering Capstone II
- ARE 4980 - Topics in Architectural Engineering
- ARE 4999 - Architectural Engineering Independent Study
- ARE 5141 - District Energy Electrical Systems
- ARE 5151 - Design of Lighting Systems II
- ARE 5161 - Design of Power Systems II
- ARE 5162 - Electrical Power Quality for Buildings
- ARE 5421 - Design of Building Control Systems
- ARE 5431 - District Energy Mechanical Systems
- ARE 5451 - Design of Mechanical Systems II
- ARE 5452 - Design of Hydronic Systems
- ARE 5453 - Indoor Air Quality
- ARE 5871 - Commissioning
- ARE 5980 - Topics in Architectural Engineering
- CAE 1001 - Professional Growth I
- CAE 1811 - 1st Year Design
- CAE 1851 - Introduction to CAECM Graphics
- CAE 1871 - Materials and Methods
- CAE 1872 - Materials and Methods Laboratory
- CAE 2001 - Professional Growth II
- CAE 2411 - Thermal Sciences

- CAE 2511 - Statics
- CAE 2512 - Mechanics of Materials
- CAE 2711 - Fluid Mechanics
- CAE 2980 - Topics in Civil and Architectural Engineering
- CAE 2980T - CAE Topic: Quarter Building Construction Methods
- CAE 3001 - Professional Growth III
- CAE 3501 - Principles of Structural Engineering
- CAE 3511 - Analysis of Structures
- CAE 3521 - Design of Reinforced Concrete Structures
- CAE 3561 - Design of Steel Structures
- CAE 3861 - Specifications and the Project Manual
- CAE 3891 - Introduction to Disaster Relief and Global Sustainable Development
- CAE 3980 - Topics in Civil and Architectural Engineering
- CAE 3991 - CAECM Co-op Experience Continuation I
- CAE 3992 - CAECM Co-op Experience Completion I
- CAE 4811 - Real Estate Development Economics
- CAE 4861 - Construction Law and Contracts
- CAE 4881 - Sustainability and Resilience
- CAE 4901 - Architectural Engineering and Construction Management Capstone I
- CAE 4902 - Architectural Engineering and Construction Management Capstone II
- CAE 4980 - Topics in Civil and Architectural Engineering
- CAE 4991 - CAECM Co-op Experience Continuation II
- CAE 4992 - CAECM Co-op Experience Completion II
- CAE 4999 - Civil and Architectural Engineering Independent Study
- CAE 5461 - Water Reclamation and Treatment Systems
- CAE 5511 - Analysis of Structures by Matrix Methods
- CAE 5512 - Introduction to the Finite Element Method
- CAE 5521 - Design of Reinforced Concrete Structures II
- CAE 5522 - Design of Precast Concrete Structures
- CAE 5551 - Design of Masonry Structures
- CAE 5561 - Design of Steel Structures II

- CAE 5571 - Design of Wood and Timber Structures
- CAE 5591 - Design of Structural Systems
- CON 2001 - Introduction to Construction Management
- CON 2011 - Surveying
- CON 2071 - Construction Safety
- CON 2980 - Topics in Construction Management
- CON 3001 - Principles of Construction Project Management
- CON 3011 - Building Mechanical and Electrical Systems for CM
- CON 3021 - Construction Estimating
- CON 3061 - Construction Scheduling
- CON 3071 - Construction Jobsite and Equipment Management
- CON 3980 - Topics in Construction Management
- CON 4021 - Construction Finance and Accounting
- CON 4051 - Construction Project Management II
- CON 4901 - Construction Management Capstone I
- CON 4902 - Construction Management Capstone II
- CON 4980 - Topics in Construction Management
- CON 4999 - Construction Management Independent Study
- CON 5011 - Lean Construction and Resource Management
- CON 5051 - Construction Project Leadership
- CON 5980 - Topics in Computer Science
- CVE 2851 - Introduction to Civil 3D
- CVE 2852 - Introduction to Geographic Information Systems (GIS)
- CVE 2980 - Topics in Civil Engineering
- CVE 3201 - Principles of Environmental Engineering
- CVE 3251 - Design of Municipal Potable Water and Wastewater Treatment Plants
- CVE 3301 - Principles of Soils and Geotechnical Engineering
- CVE 3601 - Principles of Transportation Engineering
- CVE 3611 - Traffic Engineering
- CVE 3661 - Geometric Design of Roadways
- CVE 3701 - Principles of Water Resources Engineering
- CVE 3721 - Analysis and Design of Potable Water Distribution Systems and Wastewater Collection Systems

- CVE 3741 - Design of Stormwater Management Systems
- CVE 3811 - Principles of Site Development
- CVE 3980 - Topics in Civil Engineering
- CVE 4901 - Civil Engineering Capstone I
- CVE 4902 - Civil Engineering Capstone II
- CVE 4980 - Topics in Civil Engineering
- CVE 4999 - Civil Engineering Independent Study
- CVE 5201 - Environmental and Water Law
- CVE 5211 - Air Quality
- CVE 5221 - Environmental Chemistry for Civil Engineers
- CVE 5222 - Environmental Microbiology
- CVE 5241 - Solid Waste Engineering and Design
- CVE 5321 - Design of Foundations
- CVE 5331 - Retaining Structures and Slope Stability
- CVE 5611 - Traffic Analysis
- CVE 5621 - Design and Planning of Airports
- CVE 5631 - Design and Bridges
- CVE 5661 - Pavement Design
- CVE 5681 - Traffic Control
- CVE 5721 - Hydraulic Design
- CVE 5731 - Physical Hydrogeology
- CVE 5741 - Hydrology
- CVE 5811 - Applied Statistics and Modeling
- CVE 5980 - Topics in Civil Engineering
- COM 1001 - College Writing
- COM 2001 - Writing for the STEM Disciplines
- COM 2980 - Topics in Communication
- COM 2999 - Communication Independent Study
- COM 3001 - Professional Presentations
- COM 3980 - Topics in Communication
- COM 3999 - Communication Independent Study
- COM 4980 - Topics in Communication
- COM 4999 - Communication Independent Study
- UXD 1001 - Human-Centered Design

- UXD 1020 - Visual Design
- UXD 1030 - Interface Design
- UXD 1040 - Design Thinking
- UXD 2010 - Inclusive Design
- UXD 2020 - Interaction Design
- UXD 2030 - Designing for Extended Reality
- UXD 2040 - People + Automation
- UXD 2050 - UX Writing
- UXD 2961 - Human-centered AI
- UXD 2963 - Intelligent User Interfaces
- UXD 2980 - Topics in User Experience
- UXD 2999 - User Experience Independent Study
- UXD 3010 - UX Research
- UXD 3020 - Design for Chat and Voice
- UXD 3030 - Data Visualization
- UXD 3040 - Agile Project Management
- UXD 3050 - Search Engine Optimization
- UXD 3060 - Professional Portfolio
- UXD 3980 - Topics in User Experience
- UXD 3999 - User Experience Independent Study
- UXD 4020 - UX of Physical Products
- UXD 4030 - UX Strategy
- UXD 4040 - UX in Transportation
- UXD 4060 - UX in Healthcare
- UXD 4801 - UX Internship
- UXD 4901 - UX Senior Design
- UXD 4980 - Topics in User Experience
- UXD 4999 - User Experience Independent Study
- CSE 3991 - Co-op Experience Continuation I
- CSE 3992 - Co-op Experience Completion I
- CSE 4991 - Co-op Experience Continuation II
- CSE 4992 - Co-op Experience Completion II
- IND 1000 - Introduction to Industrial Engineering
- IND 2010 - Logic Development and Computer Programming for

Engineers

- IND 2030 - Applied Statistics for Industrial Engineers
- IND 2700 - Engineering Economics
- IND 3210 - Automation Technologies
- IND 3400 - Quality Systems
- IND 3410 - Design of Experiments and Data Analysis for Engineers
- IND 3510 - Fundamentals of Enterprise Operations for Engineers
- IND 3600 - Ergonomics and Work Methods
- IND 3700 - Project Management for Systems Change
- IND 3810 - Process Modelling and Optimization
- IND 3820 - Stochastic Processes
- IND 4110 - Research Methods
- IND 4120 - Healthcare Systems Engineering
- IND 4210 - Computer-Aided Manufacturing/CNC Machining/Additive Manufacturing
- IND 4310 - Production Planning and Inventory Control
- IND 4320 - Facilities Design
- IND 4330 - Modern Manufacturing Processes
- IND 4410 - Six Sigma for Engineers
- IND 4430 - Lean Manufacturing Enterprise for Engineers
- IND 4610 - Safety Service Engineering
- IND 4621 - Sociotechnical Systems Engineering
- IND 4622 - Organization and Job Design
- IND 4630 - Product Design and Development Processes
- IND 4710 - Financial Engineering
- IND 4720 - Supply Chain Engineering
- IND 4830 - Process Simulation
- IND 4840 - Advanced Simulation
- IND 4901 - Industrial Engineering Senior Design Capstone I
- IND 4902 - Industrial Engineering Senior Design Capstone II
- IND 4980 - Topics in Industrial Engineering
- IND 4999 - Industrial Engineering Independent Study
- MEC 1602 - Introduction to Solid Modeling and Design
- MEC 1900 - Introduction to Mechanical Engineering

- MEC 1910 - Computer Applications in Engineering
- MEC 2010 - Engineering Mechanics I: Statics
- MEC 2020 - Engineering Mechanics II: Dynamics
- MEC 2030 - Mechanics of Materials
- MEC 2110 - Thermodynamics I
- MEC 2501 - Statics and Mechanics of Materials
- MEC 3040 - Computer-Aided Design of Machines
- MEC 3060 - Design of Machine Components
- MEC 3120 - Fluid Mechanics
- MEC 3130 - Heat Transfer
- MEC 3140 - Thermodynamics II
- MEC 3210 - Material Science
- MEC 3220 - Materials and Manufacturing Processes
- MEC 3310 - Instrumentation and Measurements
- MEC 3320 - Dynamic Systems
- MEC 3991 - Co-op Experience Continuation I
- MEC 3992 - Co-op Experience Completion I
- MEC 4060 - Finite Element Analysis
- MEC 4160 - Computational Fluid Dynamics
- MEC 4270 - Fatigue and Fracture in Mechanical Design
- MEC 4310 - Automatic Control Systems
- MEC 4470 - Introduction to Robotics
- MEC 4670 - Experimental Stress Analysis
- MEC 4671 - Vibration Control
- MEC 4672 - Applications in Finite Element Modeling
- MEC 4673 - Advanced Machine Design
- MEC 4674 - Medical Applications in Mechanical Engineering
- MEC 4675 - Vehicle Dynamics
- MEC 4676 - Composite Materials
- MEC 4677 - Applied Numerical Methods
- MEC 4770 - Fluid Power Systems
- MEC 4810 - Thermo-Fluid Systems Lab
- MEC 4870 - HVAC Systems Design
- MEC 4871 - Aerodynamics

- MEC 4872 - Compressible Flow
- MEC 4873 - Gas Turbines and Aircraft Engines
- MEC 4874 - Renewable and Sustainable Energy Systems
- MEC 4875 - Internal Combustion Engines
- MEC 4901 - Mechanical Engineering Capstone Design I
- MEC 4902 - Mechanical Engineering Capstone Design II
- MEC 4950 - THL Bachelor's Thesis
- MEC 4980 - Topics in Mechanical Engineering
- MEC 4991 - Co-op Experience Continuation II
- MEC 4992 - Co-op Experience Completion II
- MEC 4999 - Mechanical Engineering Independent Study
- MEC 5601 - MicroElectroMechanical System Fundamentals
- NUR 1000 - Introduction to Professional Nursing Practice
- NUR 2000 - Nutrition in Health and Illness Across the Life Span
- NUR 2001 - Pathophysiology and Pharmacology I
- NUR 2002 - Pathophysiology and Pharmacology II
- NUR 2003 - Pathophysiology
- NUR 2004 - Pharmacology
- NUR 2010 - Health Assessment
- NUR 2015 - Health Assessment and Foundations of Safe, Person-Centered Nursing Care
- NUR 2020 - Foundations of Safe, Person-Centered Nursing Care
- NUR 2500 - Global Health Care and International Health Care Systems
- NUR 3000 - Transcultural and Family Dynamics in Healthcare
- NUR 3001 - Transcultural Dynamics in Healthcare
- NUR 3005 - Nursing Care of Older Adults
- NUR 3006 - Gerontological Management of Care
- NUR 3010 - Episodic Health Challenges
- NUR 3011 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning I
- NUR 3015 - Episodic and Restorative Health Care
- NUR 3016 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning
- NUR 3020 - Chronic Health Challenges

- NUR 3021 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning II
- NUR 3030 - Population Health
- NUR 3100 - Principles of Electrocardiograph (ECG) Interpretation and Monitoring
- NUR 3320 - Complementary and Integrative Health Therapies
- NUR 3950 - Interprofessional Education (IPE)
- NUR 4001 - Preparing for NCLEX Licensure Success
- NUR 4010 - Supportive Care for End-of-Life, Mental Health, and Trauma-Informed Care
- NUR 4015 - Chronic Health Challenges
- NUR 4020 - Complex High Acuity Health Challenges
- NUR 4030 - Practice Synthesis: Preceptorship and Simulations
- NUR 4901 - Nursing Research and Evidence-Based Practice
- NUR 4902 - Nurses as Leaders in Advancing Health Care
- NUR 4980 - Topics in Nursing
- NUR 4990 - Instructional Review
- NUR 4999 - Nursing Independent Study
- HON 2011 - Honors Practicum
- HON 2051 - Honors Seminar I
- HON 2052 - Honors Seminar II
- HON 2060 - Honors Travel Experience
- HON 2980 - Honors Special Topics
- HON 2999 - Honors Independent Study
- HON 3060 - Honors Research/Entrepreneur Experience
- HON 3980 - Honors Special Topics
- HON 4060 - Honors Senior Reflection
- HON 4999 - Honors Independent Study
- UGR 4970 - Undergraduate Research Experience
- UGR 4971 - Undergraduate Research Thesis I
- UGR 4972 - Undergraduate Research Thesis II
- IDS 2020 - Career Development
- IDS 3901 - Interdisciplinary Design
- PLC HU - Placeholder for HU Course

- PLC SS - Placeholder for SS Course
- PLC PROG - Placeholder for Program Course
- PLC MS - Placeholder for Math/Science Course
- MTH 2980T - Mathematics Topic: Quarter Calculus III
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV
- MTH 2130 - Calculus III
- MTH 2140 - Differential Equations
- MTH 2340 - Linear Algebra with Applications
- MTH 2480 - Probability and Statistics
- MTH 3340 - Abstract Algebra with Applications
- MTH 3410 - Applied Regression Analysis
- MTH 4130 - Complex Analysis
- MTH 4150 - Partial Differential Equations
- BIO 2320 - Cellular Microbiology
- BIO 2510 - Human Physiology I
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo
- CHM 3850 - Food Chemistry
- SCI 3750 - Nanoscience and Nanotechnology
- BI 1001 - Principles of Biomedical Sciences
- BI 1002 - Human Body Systems
- BI 1003 - Medical Interventions
- BI 1010 - Human Anatomy and Physiology I
- BI 1010A - Human Anatomy and Physiology I
- BI 102 - Cell Biology and Genetics
- BI 1020 - Human Anatomy and Physiology II
- BI 1030 - Human Anatomy and Physiology III
- BI 1980T - Biology Topic: Anatomy and Physiology I
- BI 1980U - Biology Topic: Anatomy and Physiology II
- BI 1980V - Biology Topic: Anatomy and Physiology III
- BI 2020 - Cellular Microbiology
- BI 2040 - Human Anatomy and Physiology IV
- BI 2305 - Physiology I
- BI 2306 - Human Physiology I
- BI 2315 - Physiology II

- BI 2316 - Human Physiology II
- BI 256 - Microbiology
- BI 3100 - Stem Cell and Cancer Biology
- BI 3350 - Introduction to Genomics: Concepts and Technologies
- BI 4980 - Topics in Biology
- BI 499 - Life Science Independent Study
- BI 172 - Human Anatomy and Physiology I
- CH 200 - Chemistry I
- CH 200A - Chemistry I
- CH 200B - Chemistry I
- CH 201 - Chemistry II
- CH 2050 - General Chemistry for Life Sciences
- CH 222 - Organic Chemistry I
- CH 223 - Biochemistry
- CH 2250 - Organic Chemistry for Life Sciences
- CH 2251 - Organic Chemistry for Life Sciences
- CH 2261 - Biochemistry for Life Sciences
- CH 302 - Chemistry III
- CH 3020 - Food Chemistry
- CH 303 - Chemistry III Lab
- CH 310 - Applied Chemistry
- CH 322 - Organic Chemistry II
- CH 323 - Organic Chemistry II Lab
- CH 353 - Fundamentals of Environmental Chem
- CH 3650 - Materials Chemistry
- CH 3660 - Surface Properties of Materials
- CH 3670 - Polymer Chemistry
- CH 371 - Modern Biotechnology
- CH 373 - Advanced Biotechnology
- CH 401 - Topics in Chemistry
- CH 499 - Independent Study
- PH 2011 - Physics I - Mechanics
- PH 2011A - Physics I - Mechanics
- PH 2021 - Physics II - ElectroMagnetism

- PH 2031 - Waves, Optics, Thermodynamics, and Quantum Physics
- PH 320 - Lasers and Applications
- PH 322 - Intro-Optics and Photonics
- PH 324 - Fiber Optics/Fiber Optic Sensors
- PH 325 - Acoustics & Illumination
- PH 341 - Intro-Astronomy/Astrophysics
- PH 342 - Relativity and Cosmology
- PH 352 - Quantum Physics
- PH 354 - Nuclear Power, Applications and Safety
- PH 3600 - Physics of Semiconductor Materials and Devices
- PH 361 - Physics of Materials
- PH 3710 - Intro to Biophysics
- PH 401 - Topics in Physics
- PH 499 - Independent Study
- PH 2010 - Physics I - Mechanics
- PH 2020 - Physics II–Electromagnetism/Optics
- PH 2030 - Physics III
- SC 310 - Nanoscience and Nanotechnology
- SC 370 - Geology and Geophysics
- SC 371 - Oceanography
- SC 499 - Independent Study
- PH 1980T - Physics Topic: Waves, Relativity, Thermo
- MA 2323 - Calculus IV
- MA 232 - Calculus IV
- MA 235 - Differential Equations
- MA 2320 - Introduction to Graph Theory
- MA 262 - Probability and Statistics
- MA 327 - Mathematical Modeling
- MA 330 - Vector Analysis
- MA 343 - Linear Programming
- MA 344 - Nonlinear Programming
- MA 380 - Advanced Differential Equations
- MA 381 - Complex Variables
- MA 382 - Laplace and Fourier Transforms

- MA 383 - Linear Algebra
- MA 384 - Statistical Methods for Use in Research
- MA 385 - Modern Algebra with Applications
- MA 386 - Functions of a Real Variable
- MA 387 - Partial Differential Equations
- MA 388 - Introduction to Number Theory
- MA 3320 - Discrete Mathematics II
- MA 3710 - Mathematical Biology
- MA 461 - Applied Probability Models
- MA 499 - Independent Study
- BUS 2001 - Personal and Professional Development
- BUS 2010 - Business Analysis and Data Storytelling
- BUS 2100 - Organizational Management
- BUS 2221 - Microeconomics
- BUS 2222 - Macroeconomics
- BUS 2225 - Health Care Economics
- BUS 2330 - Business Law
- BUS 2411 - Building Inclusive Teams
- BUS 2445 - Global Business
- BUS 2450 - Business Operations
- BUS 2510 - Principles of Financial Accounting
- BUS 2530 - Introduction to Finance
- BUS 2660 - Marketing
- BUS 2900 - Character in the Business Professions
- BUS 3010 - Business Analytics
- BUS 3200 - Principles of Economics and Financial Decision-Making
- BUS 3400 - Project Management
- BUS 3420 - Innovation and Entrepreneurship
- BUS 3445 - Leadership Communication
- BUS 3560 - Managerial Cost Accounting
- BUS 3580 - Intermediate Accounting I
- BUS 3585 - Intermediate Accounting II
- BUS 3593 - Intermediate Finance and Portfolio Theory
- BUS 3600 - Advanced Financial Analysis

- BUS 3650 - Branding and Brand Management
- BUS 3670 - Marketing Research
- BUS 3800 - Continuous Improvement
- BUS 3805 - Lean-Six Sigma Techniques
- BUS 3820 - Planning, Scheduling, and Control
- BUS 3890 - Supply Chain Management
- BUS 4310 - Legal Aspects of Innovation and Entrepreneurship
- BUS 4320 - Business Startups for Entrepreneurs
- BUS 4340 - Cultivating Your Entrepreneurial Mindset
- BUS 4490 - Human Resources
- BUS 4500 - Management Control Systems and Advanced Managerial Accounting
- BUS 4510 - Tax Planning and Research
- BUS 4530 - Personal Financial Planning
- BUS 4550 - Auditing and Advanced Accounting
- BUS 4560 - Accounting Ethics
- BUS 4570 - Accounting Information Systems
- BUS 4575 - Accounting Analytics and Artificial Intelligence
- BUS 4620 - The Psychology of Sales
- BUS 4630 - Sales Process and Pipeline
- BUS 4640 - Sales Networking and Prospecting
- BUS 4660 - Digital Marketing
- BUS 4680 - Advertising and Promotion Strategies
- BUS 4690 - Consumer Behavior
- BUS 4820 - Enterprise Resource Planning
- BUS 4900 - Forecasting and Strategy
- BA 1220 - Microeconomics
- BA 1227 - Global Business
- BA 2015 - Business Analytics I
- BA 2220 - Foundations of Business Economics
- BA 2222 - Macroeconomics
- BA 2225 - Health Care Economics
- BA 2331 - Business Law
- BA 3015 - Business Analytics II

- BA 3998 - Business Internship
- BA 4330 - Legal Aspects of Innovation and Entrepreneurship:
- BA 4344 - Business and Government Relations
- BA 4348 - Employment Law
- BA 4350 - Business Startups for Entrepreneurs
- BA 4960 - Selected Topics in Business
- BA 4970 - Practicum in Entrepreneurship
- BA 4975 - Applied Servant Leadership - Business Solutions
- BA 4990 - Business Strategy
- BA 4999 - Independent Study
- BA 2401 - Project Management
- BA 2440 - Production Management
- BA 2442 - Management
- BA 3411 - Leading Project Teams
- BA 3423 - Innovation and Business Markets
- BA 3440 - Business Communication and Commerce
- BA 3444 - Organizational Behavior and Leadership
- BA 3447 - Leadership
- BA 3491 - Supply Chain Management
- BA 3801 - Continuous Improvement I
- BA 3803 - Continuous Improvement II
- BA 3805 - Six Sigma Techniques
- BA 3895 - International Logistics
- BA 4820 - Enterprise Resource Planning
- BA 4850 - Telecommunications
- BA 2501 - Finance I
- BA 2503 - Finance II
- BA 2505 - Finance III
- BA 2510 - Introduction to Accounting
- BA 2530 - Introduction to Finance
- BA 2550 - Corporate Finance
- BA 3580 - Managerial Accounting and Costing
- BA 3591 - Intermediate Accounting
- BA 3593 - Intermediate Finance

- BA 3595 - Intermediate Accounting II
- BA 4501 - Management Control Systems
- BA 4502 - Accounting Ethics
- BA 4510 - Business Tax Planning
- BA 4512 - Business Tax Planning II
- BA 4520 - Investment and Portfolio Analysis
- BA 4530 - Personal Finance & Planning
- BA 4550 - Auditing
- BA 4570 - Accounting Information Systems
- BA 4575 - Accounting Analytics and Artificial Intelligence
- BA 4580 - Advanced Managerial Accounting
- BA 4590 - Advanced Accounting and Research
- BA 2661 - Marketing
- BA 3630 - Social Media Marketing Strategies
- BA 4601 - International Marketing and Export Management
- BA 4620 - Technical Selling
- BA 4622 - Psychology of Sales
- BA 4624 - Sales Process and Pipeline
- BA 4626 - Networking and Prospecting
- BA 4628 - Forecasting
- BA 4650 - Branding and Brand Management
- BA 4667 - Marketing Research
- BA 4668 - Promotion and Advertising Strategies
- BA 4669 - Consumer Behavior
- BA EL1 - Business Elective
- BA EL2 - Business Elective
- AHT 2001 - Western Art History
- AHT 2002 - German Art History
- AHT 2980 - Topics in Art History
- AHT 2999 - Art History Independent Study
- AHT 3980 - Topics in Art History
- AHT 3999 - Art History Independent Study
- AHT 4980 - Topics in Art History
- AHT 4999 - Art History Independent Study

- FNA 2002 - Drama and The Theater
- FNA 2980 - Topics in Fine Arts
- FNA 2999 - Fine Arts Independent Study
- FNA 3001 - Creative Writing
- FNA 3980 - Topics in Fine Arts
- FNA 3999 - Fine Arts Independent Study
- FNA 4010 - Film and Media Studies
- FNA 4980 - Topics in Fine Arts
- FNA 4999 - Fine Arts Independent Study
- GER 1001 - Elementary German
- GER 2001 - Intermediate German
- GER 2999 - German Independent Study
- GER 3001 - Advanced German
- GER 3980 - Topics in the German-Speaking World
- GER 3999 - German Independent Study
- GER 4980 - Topics in the German-Speaking World
- GER 4999 - German Independent Study
- HST 1013 - United States History I
- HST 1014 - United States History II
- HST 1015 - Latin American History I
- HST 1016 - Latin American History II
- HST 2011 - American Revolution
- HST 2012 - Civil War and Reconstruction
- HST 2014 - History of US World's Fairs
- HST 2015 - Topics in Twentieth Century American History
- HST 2021 - Topics in Modern European History
- HST 2022 - German History
- HST 2031 - World War II
- HST 2041 - Cuban History
- HST 2053 - Music History
- HST 2980 - Topics in History
- HST 2999 - History Independent Study
- HST 3980 - Topics in History
- HST 3999 - History Independent Study

- HST 4980 - Topics in History
- HST 4999 - History Independent Study
- LIT 1010 - American Literature I
- LIT 1020 - American Literature II
- LIT 2001 - Science Fiction
- LIT 2010 - Literary Genres
- LIT 2020 - Contemporary Literature
- LIT 2980 - Topics in Literature
- LIT 2999 - Literature Independent Study
- LIT 3001 - Topics in Global Literature
- LIT 3980 - Topics in Literature
- LIT 3999 - Literature Independent Study
- LIT 4980 - Topics in Literature
- LIT 4999 - Literature Independent Study
- PHL 2980 - Topics in Philosophy
- PHL 2999 - Philosophy Independent Study
- PHL 3101 - Ethics for Professional Managers and Engineers
- PHL 3102 - Ethics of Digital Technologies and Artificial Intelligence
- PHL 3103 - Bioethics
- PHL 3104 - Eastern Philosophy
- PHL 3201 - Introduction to Philosophy
- PHL 3202 - Introduction to Logic
- PHL 3203 - Epistemology
- PHL 3204 - Metaphysics
- PHL 3205 - Minds, Brains, and Computers
- PHL 3206 - Social and Political Philosophy
- PHL 3207 - Philosophy of Science
- PHL 3208 - Philosophy of Art
- PHL 3980 - Topics in Philosophy
- PHL 3999 - Philosophy Independent Study
- PHL 4980 - Topics in Philosophy
- PHL 4999 - Philosophy Independent Study
- SPN 1001 - Elementary Spanish
- SPN 2001 - Intermediate Spanish

- SPN 2999 - Spanish Independent Study
- SPN 3001 - Advanced Spanish
- SPN 3980 - Topics in the Spanish-Speaking World
- SPN 3999 - Spanish Independent Study
- SPN 4980 - Topics in the Spanish-Speaking World
- SPN 4999 - Spanish Independent Study
- HU 299 - Global Health Care and International Health Care Systems
- HU 332 - Bioethics
- HU 401 - Spanish for Nurses
- HU 406G - German Literature
- HU 406S - Spanish Literature
- HU 410CH - Chinese I
- HU 410F - French I
- HU 410G - German I
- HU 410I - Italian I
- HU 410J - Japanese I
- HU 410S - Spanish I
- HU 410X - Foreign Language I
- HU 411CH - Chinese II
- HU 411F - French II
- HU 411G - German II
- HU 411I - Italian II
- HU 411J - Japanese II
- HU 411S - Spanish II
- HU 411X - Foreign Language II
- HU 412CH - Chinese III
- HU 412F - French III
- HU 412G - German III
- HU 412I - Italian III
- HU 412J - Japanese III
- HU 412S - Spanish III
- HU 412X - Foreign Language III
- HU 413G - German IV
- HU 413S - Spanish IV

- HU 414G - German V
- HU 414S - Spanish V
- HU 419S - Special Topics in Spanish Speaking World
- HU 420 - Classical Derivatives
- HU 4200 - Linguistics: Scientific Study of Language
- HU 421 - Literary Genres
- HU 422 - British Literature
- HU 423 - American Literature
- HU 424 - Science Fiction
- HU 424H - Science Fiction
- HU 425 - Contemporary Literature
- HU 426 - Survey of Developing World Literature
- HU 427 - Classics in Eastern Literature
- HU 428 - Classics in Literature
- HU 429 - Literature of American Minorities
- HU 430 - Epistemology
- HU 4300 - Philosophy of Education
- HU 4301 - Philosophy of Mind and Artificial Intelligence
- HU 4311 - Philosophy of Science
- HU 431A - Formal Logic
- HU 431B - Informal Logic
- HU 432 - Ethics for Professional Managers and Engineers
- HU 4321 - Ethics of Digital Technologies and AI
- HU 433 - Philosophy
- HU 4331 - Introduction to Eastern Philosophy
- HU 434 - Existentialism
- HU 435 - Philosophy of Religion
- HU 436 - Metaphysics
- HU 437 - Praxiology
- HU 4370 - Political and Social Philosophy
- HU 438 - Aesthetics
- HU 439 - Philosophy of Technology
- HU 440 - Global History I–The World to 1500
- HU 441 - Global History II–World since 1500

- HU 4410 - History of Urban Agriculture
- HU 442 - Modern European History
- HU 4420 - History of the Civil War & Reconstruction
- HU 443 - Russian History
- HU 444 - United States History
- HU 445 - United States History I
- HU 446 - United States History II
- HU 447 - History of the Middle East
- HU 448 - World War II
- HU 4480 - American Revolution
- HU 449 - German History
- HU 4495 - Latin American History
- HU 4495A - African History
- HU 4495C - Cuban History
- HU 4800 - Music I
- HU 4801 - Music II
- HU 4802 - Music III
- HU 4803 - Music IV
- HU 4804 - Music V
- HU 4805 - Music VI
- HU 484 - Art History
- HU 4841 - German Art History
- HU 485 - Fine Arts
- HU 486 - Theatre Arts
- HU 487 - Visual Arts
- HU 488 - Music History & Appreciation
- HU 489 - Film and Media Studies
- HU 489H - Film and Media Studies
- HU 490 - Creative Nonfiction
- HU 492 - World's Living Religions
- HU 494 - Creative Thinking
- HU 41X - Foreign Language Elective
- HU 42X - Literature Elective
- HU 43X - Philosophy Elective

- HU 44X - History Elective
- HU 48X - Fine Arts Elective
- HU 495 - Humanities Selected Studies
- HU 499 - Independent Study
- HU 4XX - Humanities Elective
- HU 413X - Foreign Language IV
- HU EL1 - Humanities Elective I
- AE 3321 - Architectural History
- ANT 1001 - Cultural Anthropology
- ANT 2010 - Culture and Health in Central America
- ANT 2012 - Urban Agriculture: Past, Present, Future
- ANT 2020 - Native American Culture
- ANT 2980 - Topics in Anthropology
- ANT 2999 - Anthropology Independent Study
- ANT 3980 - Topics in Anthropology
- ANT 3999 - Anthropology Independent Study
- ANT 4980 - Topics in Anthropology
- ANT 4999 - Anthropology Independent Study
- PSC 2010 - Foundations of Political Science
- PSC 2011 - American Government
- PSC 2015 - International Relations
- PSC 2016 - Urban Studies
- PSC 2980 - Topics in Political Science
- PSC 2999 - Political Science Independent Study
- PSC 3980 - Topics in Political Science
- PSC 3999 - Political Science Independent Study
- PSC 4980 - Topics in Political Science
- PSC 4999 - Political Science Independent Study
- PSY 1001 - Foundations of Psychology
- PSY 2002 - Psychology of Design
- PSY 2003 - Organizational Psychology
- PSY 2005 - The Family: Psychological and Social Perspectives
- PSY 2006 - Death, Dying, and Grief
- PSY 2007 - Addictive and Compulsive Behavior

- PSY 2010 - Understanding Human Language
- PSY 2980 - Topics in Psychology
- PSY 2999 - Psychology Independent Study
- PSY 3001 - Cognitive Psychology
- PSY 3002 - Psychological Disorders and Mental Health
- PSY 3003 - Developmental Psychology
- PSY 3004 - Social Psychology
- PSY 3980 - Topics in Psychology
- PSY 3999 - Psychology Independent Study
- PSY 4980 - Topics in Psychology
- PSY 4999 - Psychology Independent Study
- SOC 1001 - Foundations of Sociology
- SOC 2980 - Topics in Sociology
- SOC 2999 - Sociology Independent Study
- SOC 3001 - Cybercrime: Human Perspectives
- SOC 3980 - Topics in Sociology
- SOC 3999 - Sociology Independent Study
- SOC 4001 - Digital Society
- SOC 4980 - Topics in Sociology
- SOC 4999 - Sociology Independent Study
- SS 3630 - Design Thinking
- SS 3700 - Digital Society
- SS 415A - African American Culture
- SS 415AM - American Culture
- SS 415CA - Culture and Health in Central America
- SS 415CH - Chinese Culture
- SS 415F - French Culture
- SS 415G - German Culture
- SS 415I - Introduction to Italian Culture
- SS 415IR - Irish Culture
- SS 415J - Japanese Culture
- SS 415LA - Latin American Culture
- SS 415N - Native American Culture
- SS 415P - Polish Culture

- SS 415R - Russian Culture
- SS 415S - Spanish Culture
- SS 453 - American Government
- SS 454 - Political Science
- SS 455 - International Relations
- SS 456 - Public Policy in Urban America
- SS 457 - Current Affairs
- SS 458 - Contemporary European Society
- SS 4595 - The Sustainable City
- SS 459H - Rethinking Cuba
- SS 460 - Foundations of Psychology
- SS 460H - Foundations of Psychology
- SS 461 - Organizational Psychology
- SS 462 - Developmental Psychology
- SS 463 - Psychology of Design
- SS 464 - Human Factors in Engineering and Design
- SS 465 - Cognitive Psychology
- SS 466 - Abnormal Psychology
- SS 467 - Social Psychology
- SS 4670 - Group Discussion
- SS 471 - Sociology
- SS 4715M - Middle Eastern Culture
- SS 472 - Social Problems
- SS 473 - Cultural Anthropology
- SS 473H - Cultural Anthropology
- SS 474 - The Family
- SS 475 - Addictions and Compulsions
- SS 476 - Death and Dying
- SS 477 - Adaptive Reuse and Tactical Urbanism in the 21st Century City
- SS 4795 - Latin American Society
- SS 492 - Instructional Design
- SS 495 - Social Science Selected Studies
- SS 45X - Political Science Elective

- SS 46X - Psychology Elective
- SS 47X - Sociology Elective
- SS 499 - Independent Study
- SS 415C - Czech Culture
- SS EL1 - Social Science Elective
- SS EL2 - Social Science Elective
- CSC 2210 - Procedural and Object-Oriented C++
- CSC 2611 - AI Tools
- CSC 2621 - Introduction to Data Science
- CSC 2661 - Python for AI
- CSC 2663 - Machine Learning Techniques
- SWE 2410 - Design and Cloud Patterns
- SWE 2511 - Web Applications
- SWE 2710 - Software Tools and Process
- SWE 2721 - Introduction to Software Verification
- CSC 3210 - Operating Systems
- CSC 3310 - Algorithms and Advanced Data Structures
- CSC 3320 - Databases
- CSC 3511 - Security and Networking
- CSC 4241 - GPU Programming
- CSC 4243 - Compiler Construction
- CSC 4245 - Linux Administration
- CSC 4341 - Competitive Programming
- CSC 4601 - Theory of Machine Learning
- CSC 4611 - Introduction to Deep Learning
- CSC 4631 - Artificial Intelligence
- CSC 4641 - Natural Language Processing
- CSC 4801 - Data Science Practicum
- CSC 4911 - Mobile Application Development
- CSC 4941 - Robotics
- CSC 4980 - Topics in Computer Science
- CSC 4981 - Topics in Computer Science with Lab
- CSC 4999 - Computer Science Independent Study
- CSC 5201 - Microservices and Cloud Computing

- CSC 5241 - GPU Programming
- CSC 5601 - Theory of Machine Learning
- CSC 5610 - AI Tools and Paradigms
- CSC 5611 - Deep Learning
- CSC 5980 - Topics in Computer Science
- CSC 5981 - Topics in Computer Science with Lab
- SWE 3411 - Software Requirements and Architecture
- SWE 3710 - Software Development Laboratory I
- SWE 3720 - Software Development Laboratory II
- SWE 4211 - Real-time Systems
- SWE 4411 - Game Development
- SWE 4511 - DevSecOps
- SWE 4540 - Network Security Tools and Practices
- SWE 4541 - Penetration Testing
- SWE 4980 - Topics in Software Engineering
- SWE 4981 - Topics in Software Engineering with Lab
- SWE 4999 - Software Engineering Independent Study
- BE 3005 - Professional Topics in BME
- BE 3015 - Biomedical Engineering Design I
- BE 3205 - Introduction to Sensors and Actuators
- BE 3405 - Biomedical Device Evaluation
- BE 3500 - Bio-thermal-fluid Transport I
- BE 3510 - Bio-thermal-fluid Transport 2
- BE 3515 - Bio-thermal-fluid Transport II
- BE 3705 - Biomedical Electronics and Instrumentation
- BE 3905 - Biomedical Combined Laboratory I
- BE 3915 - Combined Lab II: Physiology, DSP & Biomechanics
- BE 4005 - Biomedical Engineering Design II
- BE 4015 - Biomedical Engineering Design III
- BE 4025 - Biomedical Engineering Design IV
- BE 410 - Biomaterials
- BE 411 - Biomechanics
- BE 4205 - Medical Imaging Systems
- BE 4340 - Advanced Topics in Biomedical Digital Signal Processing

- BE 4705 - Biomedical Electronics and Instrumentation II
- BE 4805 - Biomedical System Dynamics
- BE 4815 - Biomedical Feedback Control Systems
- BE 4961 - Introduction to Human Body Systems for Radiological Applications
- BE 4962 - Fundamentals of Medical Imaging
- BE 4963 - Best Practices in Visualization and Labeling of Medical Images
- BE 4975 - Biomedical Research Internship
- BE 4980 - Independent Study
- BE 499 - Clinical Internship
- BE 4990 - Topics in Biomedical Engineering
- BE 4991 - Topics in Biomedical Engineering with Laboratory
- CE 3101 - Digital Electronics and Computer Interfacing
- CE 3200 - Wireless Sensor Networks
- CE 4100 - Embedded System Fabrication
- CE 4800 - Advanced Digital Design
- CE 493 - Advanced Digital Design
- CE 4930 - Computer Architecture II
- CE 4940 - VLSI Design Techniques
- CE 4951 - Networking I
- CE 4970 - Topics in Computer Engineering with Laboratory
- CE 498 - Topics in Computer Engineering
- CE 499 - Independent Study
- CS 3040 - Programming Languages and Translators
- CS 3300 - Data Science
- CS 3310 - Data Science Practicum
- CS 3400 - Machine Learning
- CS 3450 - Deep Learning
- CS 3840 - Operating Systems
- CS 3851 - Algorithms
- CS 3860 - Database Systems
- CS 4210 - Advanced Computer Graphics
- CS 4230 - Distributed and Cloud Computing

- CS 4830 - Computer Vision
- CS 4850 - Machine Learning
- CS 4860 - C# and Program Language Design
- CS 4881 - Artificial Intelligence
- CS 4920 - Information Security
- CS 4961 - Python for AI
- CS 4962 - Machine Learning Tools
- CS 4963 - Deep Learning and Neural Networks
- CS 4980 - Topics in Computer Science
- CS 4981 - Topics in Computer Science with Laboratory
- CS 4999 - Independent Study
- CS 5980 - Topics in Computer Science
- CS 5981 - Topics in Computer Science with Lab
- CS 498 - Topics in Computer Science
- EE 3001B - Signals and Circuits I
- EE 3002B - Signals and Circuits II
- EE 3032 - Signals and Systems
- EE 3050 - Dynamic Systems
- EE 3051B - Dynamic Systems
- EE 3102 - Analog Electronics I
- EE 3112 - Analog Electronics II
- EE 3204 - Electric and Magnetic Fields
- EE 3214 - Electromagnetic Waves
- EE 3221 - Digital Signal Processing
- EE 3401 - Electromechanical Energy Conversion
- EE 3720 - Control Systems
- EE 3900B - Design of Logic Systems
- EE 3910B - Embedded Systems
- EE 3921 - Digital System Design
- EE 4022 - Principles of Communications
- EE 4050 - Low-Noise Analog System Design
- EE 4112 - Advanced Analog Electronics
- EE 4142 - Power Electronics
- EE 421 - Digital Communication Systems

- EE 423 - Applications of Digital Signal Processing
- EE 4240 - Software-Defined Radio
- EE 425 - Radio Frequency Circuit Design
- EE 4250 - Advanced Signal Processing
- EE 426 - Advanced Electromagnetic Fields
- EE 4280 - Antenna Theory and Wireless Applications
- EE 429 - Microwave Engineering
- EE 4403 - Specialty Electric Machines
- EE 444 - Power Electronics
- EE 4451 - Bulk Electric System Stability and Control
- EE 447 - Power System Analysis I
- EE 4480 - Electrical Power Systems Quality
- EE 449 - Power System Analysis II
- EE 4601 - Modeling and Simulation of Dynamic Systems
- EE 4720 - Control Systems Applications
- EE 484 - Neural Networks
- EE 4901 - Electrical Engineering Cooperative Practicum 1
- EE 4902 - Electrical Engineering Cooperative Practicum 2
- EE 4903 - Electrical Engineering Cooperative Practicum 3
- EE 4930 - Advanced Embedded Systems
- EE 4980 - Topics in Electrical Engineering
- EE 4981 - Topics in Electrical Engineering with Laboratory
- EE 499 - Independent Study
- EE 499G - Independent Study - German Students
- EE 5280 - Antenna Theory and Wireless Applications
- EE 5403 - Specialty Electric Machines
- EE 5451 - Bulk Electric System Stability and Control
- EE 5981 - Electrical Engineering Special Topics with Laboratory
- EE 3031 - Signals and Systems
- EE 3101 - Operational Amplifier Design
- EE 3111 - Electronic Devices and Circuits
- EE 3220 - Digital Signal Processing
- EE 5480 - Electrical Power Systems Quality
- SE 3010 - Software Development Laboratory I

- SE 3020 - Software Development Laboratory II
- SE 3030 - Software Development Laboratory III
- SE 3250 - Introduction to Game Development
- SE 3800 - Software Engineering Process II
- SE 3830 - Human-Computer Interaction
- SE 3910 - Real-Time Systems
- SE 4840 - Software Maintenance and Craftsmanship
- SE 4910 - Mobile Application Development
- SE 4910I - Mobile Application Development-iOS
- SE 4930 - Developing Secure Software
- SE 4940 - Network Security Tools and Practices
- SE 4980 - Topics in Software Engineering
- SE 4981 - Topics in Software Engineering with Laboratory
- SE 4999 - Independent Study
- SE 5890 - Topics in Software Engineering
- SE 5981 - Topics in Software Engineering with Lab
- SE 400 - Senior Design Project I
- SE 401 - Senior Design Project II
- SE 402 - Senior Design Project III
- SE 498 - Topics in Software Engineering
- CE 2801 - Embedded Systems I
- CE 2812 - Embedded Systems II
- CE 2820 - Embedded Systems III
- CS 2040 - Programming in C and C++
- CS 2300 - Computational Science
- CS 2400 - Introduction to Artificial Intelligence
- CS 2550 - Concepts of Data Structures and Algorithms
- CS 2711 - Computer Organization
- CS 2852 - Data Structures
- CS 2911 - Network Protocols
- EE 201 - Linear Networks: Steady-State Analysis
- EE 2050 - Linear Circuits - Steady State I
- EE 2980T - Electrical Engineering Topic: Transition Circuits Course
- EE 2060 - Linear Circuits - Steady State II

- EE 2070 - Linear Circuits - Transients
- EE 2510 - Introduction to Object-Oriented Programming
- EE 2715 - Linear Circuits II: Transients
- EE 2725 - Linear Circuits III: AC
- EE 2905 - Introduction to Embedded Systems and Digital Electronics
- EE 2920 - Embedded Systems
- EE 2931 - Systems Interfacing
- EE 2705 - Linear Circuits I: DC
- EE 2900 - Combinational Logic Circuits
- SE 2030 - Software Engineering Tools and Practices
- SE 2040 - Software Development III
- SE 2800 - Software Engineering Process I
- SE 2811 - Software Component Design
- SE 2832 - Introduction to Software Verification
- SE 2840 - Web Application Development
- CE 1901 - Digital Logic 1
- CE 1911 - Digital Logic 2
- CE 1921 - Computer Architecture
- CE 4961 - Networking II
- CS 1011 - Software Development I
- CS 1021 - Software Development II
- CS 3841 - Design of Operating Systems
- CS 150 - Intro to Computer Programming
- EE 1000 - Introduction to Electrical Engineering
- EE 1910 - Introduction to Embedded Systems Programming
- EE 407 - Senior Design Project I
- EE 408 - Senior Design Project II
- EE 409 - Senior Design Project III
- EE 100 - Intro to Electrical Engineering
- SE 1011 - Software Development I
- SE 1021 - Software Development II
- SE 3810 - Software Architecture
- SE 3821 - Software Requirements and Specification
- AE 1001 - Freshman Seminar I

- AE 1002 - Freshman Seminar II
- AE 1231 - Building Construction Materials
- AE 200 - Statics
- AE 2001 - Building Information Modeling
- AE 201 - Strength of Materials
- AE 2011 - Mechanics of Materials I
- AE 2012 - Mechanics of Materials II
- AE 2121 - Fundamentals of Thermodynamics
- AE 2130 - Introduction to Fluid Mechanics
- AE 2150 - Fundamentals of Electricity and Circuits
- AE 2250 - Specifications and Contracts
- AE 3201 - Principles of Structural Engineering
- AE 3211 - Structural Analysis
- AE 3221 - Steel Design
- AE 3231 - Concrete Design
- AE 3251 - Structural Systems Design
- AE 3301 - Principles of Building Mechanical Systems
- AE 3421 - Building Mechanical Systems I
- AE 3422 - Building Mechanical Systems II
- AE 3451 - Building Systems Control
- AE 3521 - Plumbing Systems Design
- AE 3531 - Fire Suppression Systems Design
- AE 3601 - Principles of Electrical Engineering for Buildings
- AE 3622 - Building Electrical Systems I
- AE 3632 - Illumination Systems Design
- AE 3636 - Communication Systems Design
- AE 3661 - Electrical Power Quality for Buildings
- AE 4121 - Environmental Science in Building Construction
- AE 4311 - Architectural Design
- AE 4412 - Engineering and Building Investment Economics
- AE 4712 - Architectural Engineering and Construction Management Design-Build Senior Project I
- AE 4721 - Architectural Engineering and Construction Management Design-Build Senior Project II

- AE 4731 - Architectural Engineering and Construction Management Design-Build Senior Project III
- AE 4733 - AE Senior Project Working Drawings
- AE 490 - Independent Study
- AE 4980 - Special Topics in Architectural Engineering
- AE 5210 - Matrix Structural Analysis
- AE 5220 - AISC Steel Design
- AE 5230 - Reinforced Concrete Structure Design
- AE 5232 - Prestressed Concrete Design
- AE 5234 - Foundation Design
- AE 5240 - Masonry Design
- AE 5250 - Wood Design
- AE 5260 - Bridge Design
- AE 5262 - Modern Structural Systems
- AE 5402 - Building Mechanical System Design
- AE 5404 - Building Electrical System Design
- AE 5450 - Building Control System Design
- AE 5460 - Commissioning
- AE 5470 - Advanced Project Management for MEP
- AE 5520 - Advanced Plumbing Systems Design
- AE 5600 - Electrical Code for Buildings
- AE 5630 - Advanced Building Illumination Design
- AE 5980 - Topics in Architectural Engineering
- AE 1311 - Introduction to CAD
- AE 5480 - Advanced Hydronic Systems
- AE 5800 - Research and Writing
- BE 1005 - Introduction to Biomedical Engineering
- BE 2200 - MATLAB Programming for Engineers
- EB 1001 - Intro to BioMolecular Engineering
- EB 2001 - Laboratory and BioProcess Safety and Ethics
- EB 2100 - BioMolecular Engineering Sophomore Seminar
- EB 2240 - Engineering Applications in Biochemistry
- EB 2250 - Biopolymer Engineering
- EB 2410 - Principles of Biotechnology

- EB 2420 - Informatics Computing I
- EB 2430 - Informatics Computing II
- EB 2510 - Thermodynamics I
- EB 3100 - BioMolecular Engineering Junior Seminar
- EB 3200 - Bioanalytical Instrumentation
- EB 3300 - Molecular Nanotechnology
- EB 3400 - Food Engineering
- EB 3410 - Applications of Biotechnology
- EB 3411 - Applications of Biotechnology II
- EB 3420 - Bioinformatics I
- EB 3430 - Bioinformatics II
- EB 3510 - Thermodynamics II
- EB 3520 - Engineering of Controlled Drug Delivery
- EB 3530 - Cell Culture Lab for BioMolecular Engineering
- EB 3561 - Unit Operations-Production Scale Bioseparations
- EB 3570 - Kinetics and Bioreactor Design
- EB 3600 - Genomics in Engineering
- EB 3610 - Transport Phenomena I
- EB 3620 - Transport Phenomena II
- EB 3800 - Drug Discovery and Development
- EB 3810 - Tissue Engineering
- EB 3820 - Molecular Biology for Engineering
- EB 3830 - Heat Transfer Equipment in Process Engineering
- EB 3840 - Bioinformatics III
- EB 3850 - Cosmetics: Science, Engineering & Technology
- EB 3860 - Prokaryotic Processes
- EB 3870 - Microfluidics
- EB 3880 - Entrepreneurship in BioMolecular Engineering
- EB 401 - Topics in Biomolecular Engineering
- EB 4100 - BioMolecular Engineering Senior Seminar
- EB 4300 - Metabolic Engineering and Synthetic Biology
- EB 4511 - Bio-Process Control
- EB 4561 - Process Engineering Lab
- EB 4910 - BioMolecular Engineering Design I

- EB 4920 - BioMolecular Engineering Design II
- EB 4930 - BioMolecular Engineering Design III
- EB 499 - BioMolecular Engineering Independent Study
- CM 2121 - Surveying
- CM 2200 - Building Construction Methods
- CM 2300 - Building Construction Methods II
- CM 250 - Construction Jobsite Management and Leadership
- CM 3013 - Construction Project Financial and Cost Control
- CM 3024 - Construction Law
- CM 3112 - Building Environmental and Mechanical Systems for CM
- CM 3210 - Construction Scheduling
- CM 3250 - Construction Estimating
- CM 3417 - Construction Equipment Management
- CM 3612 - Building Electrical and Communication Systems for CM
- CM 4311 - Construction Project Management I
- CM 4321 - Construction Project Management II
- CM 4512 - Construction Safety Management
- CM 4712 - Architectural Engineering and Construction Management Design-Build Senior Project I
- CM 4721 - Architectural Engineering and Construction Management Design-Build Senior Project II
- CM 4731 - Architectural Engineering and Construction Management Design-Build Senior Project III
- CM 4980 - Special Topics in Construction Management
- CM 5020 - Project Acquisitions and Business Development
- CM 5040 - Construction Operations and Management Strategies
- CM 5045 - Lean Construction and Resource Management
- CM 5520 - 21st Century Leadership in Construction
- CM 5980 - Topics in Construction Management
- IE 1000 - Introduction to Industrial Engineering Profession
- IE 1003 - Industrial Engineering Profession
- IE 1190 - Computer Applications in Industrial Engineering
- IE 2030 - Applications of Statistics in Industrial Engineering
- IE 2450 - Work Planning and Methods Development

- IE 312 - Research Methods
- IE 3310 - Production Planning and Inventory Control
- IE 336 - Contemporary Manufacturing Systems
- IE 340 - Project Management
- IE 3470 - Facilities Design
- IE 348 - Quality Assurance (SPC)
- IE 3621 - Ergonomics
- IE 377 - Safety in Engineering
- IE 3771 - Automation Technologies
- IE 381 - Deterministic Modeling and Optimization
- IE 3820 - Stochastic Processes
- IE 383 - Simulation
- IE 391 - Industrial Engineering Junior Project
- IE 423 - Engineering Economy
- IE 426 - Materials and Manufacturing Processes
- IE 4260 - Design for Manufacture and Assembly
- IE 431 - Six Sigma Methods
- IE 4332 - Lean
- IE 4336 - Quick Response Manufacturing
- IE 440 - Team Leadership/Facilitation
- IE 449 - Quality Management
- IE 4501 - Health Care Systems Engineering
- IE 460 - Design for Quality
- IE 4621 - Socio-Technical Systems
- IE 4622 - Organization and Job Design
- IE 4640 - Product Design and Development Processes
- IE 470 - Topics in Industrial Engineering
- IE 4773 - Computer Aided Manufacturing/CNC Machining/Rapid Prototyping
- IE 4810 - Engineering Accounting
- IE 4823 - Financial Engineering
- IE 483 - Advanced Simulation Modeling
- IE 4880 - Supply Chain Engineering
- IE 4901 - Industrial Engineering Senior Design Project I

- IE 4902 - Industrial Engineering Senior Design Project II
- IE 4903 - Industrial Engineering Senior Design Project III
- IE 499 - Independent Study
- ME 1301 - Introduction to Mechatronics
- ME 1601 - Introduction to Solid Modeling and Design
- ME 190 - Computer Applications in Engineering
- ME 2001 - Mechanics I
- ME 2002 - Mechanics II
- ME 2003 - Mechanics III
- ME 2004 - Mechanics of Materials I
- ME 205 - Engineering Statics
- ME 206 - Engineering Dynamics
- ME 207 - Mechanics of Materials
- ME 2101 - Principles of Thermodynamics I
- ME 230 - Dynamics of Systems
- ME 2980T - Mechanical Engineering Topic: Thermodynamics
- ME 300 - Modeling and Numerical Analysis
- ME 3005 - Mechanics of Materials II
- ME 3102 - Principles of Thermodynamics II
- ME 3103 - Fluid Mechanics I
- ME 3104 - Fluid Mechanics II
- ME 3105 - Applied Thermodynamics
- ME 318 - Heat Transfer
- ME 321 - Materials Science
- ME 322 - Engineering Materials
- ME 323 - Manufacturing Processes
- ME 3301 - Instrumentation
- ME 354 - Thermodynamics and Heat Transfer
- ME 362 - Design of Machinery
- ME 363 - Design of Machine Components
- ME 3650 - Systematic Engineering Design
- ME 401 - Vibration Control
- ME 402 - Vehicle Dynamics
- ME 409 - Experimental Stress Analysis

- ME 411 - Advanced Topics in Fluid Mechanics
- ME 419 - Internal Combustion Engines
- ME 4220 - Fatigue and Fracture in Mechanical Design
- ME 423 - Materials Selection
- ME 424 - Engineering with Plastics
- ME 4250 - Additive Manufacturing
- ME 429 - Composite Materials
- ME 4302 - Automatic Control Systems
- ME 4303 - Electromechanical Systems
- ME 4304 - Introduction to Robotic Systems
- ME 4305 - Mechanical System Simulation
- ME 460 - Finite Element Methods
- ME 4602 - Transient and Nonlinear Finite Element Methods
- ME 4610 - Medical Applications in Mechanical Engineering
- ME 4701 - Fluid Power Circuits
- ME 4702 - Fluid Power Modeling
- ME 480 - HVAC Systems Design
- ME 4802 - Compressible Flow
- ME 4804 - Advanced Energy Technologies
- ME 4805 - Renewable Energy Utilization
- ME 4806 - Computational Fluid Dynamics
- ME 481 - Aerodynamics
- ME 485 - Energy Systems Design Project
- ME 490 - Senior Design I
- ME 4906 - Applied Numerical Methods
- ME 491 - Senior Design II
- ME 492 - Senior Design III
- ME 4951 - Bachelor Thesis I
- ME 4952 - Bachelor Thesis II
- ME 498 - Topics in Mechanical Engineering
- ME 499 - Independent Study
- ME 5305 - Mechanical System Simulation
- ME 5601 - Microelectromechanical Systems Fundamentals
- ME 5980 - Topics in Mechanical Engineering

- ME 1000 - Mech Engr Freshman Seminar
- ME 191 - Computer Appls in Engineering II
- ME 309 - Intermediate Mechanics of Materials
- ME 311 - Principles-Thermodynamics I
- ME 314 - Principles-Thermodynamics II
- ME 317 - Fluid Mechanics
- ME 361 - Dynamics of Machinery
- ME 416 - Thermodynamics Applications
- ME 431 - Automatic Control Systems
- ME 433 - Electromechanical Systems
- ME 4803 - Computational Fluid Mechanics
- ME 523 - Materials Selection
- NU 2000 - Introduction to Professional Nursing Practice
- NU 2011 - Health Concepts and Health Assessment
- NU 220 - Health Care Terminology
- NU 2320 - Health Assessment of Family
- NU 2520 - Primary Dynamics of Nursing Care
- NU 2521 - Primary Concepts and Dynamics of Nursing Care
- NU 260 - Nutrition
- NU 2810 - Pharmacology I
- NU 2820 - Pharmacology II
- NU 290 - Pathophysiology I
- NU 2980T - Nursing Topic: Transition Pharmacology
- NU 299 - Global Health Care and International Health Care Systems
- NU 300 - Transcultural Nursing
- NU 3000 - Nursing Care of Clients with Episodic Health Challenges I
- NU 3000L - Application of Psychomotor Skills I
- NU 3100 - Principles of Electrocardiograph (ECG) Interpretation & Monitoring
- NU 3200 - Nursing Care of Clients with Episodic Health Challenges II
- NU 3200L - Application of Psychomotor Skills II
- NU 3302 - Application of Nursing Care Concepts to Clients with Episodic Health Challenges
- NU 3302L - Application of Psychomotor Skills (ASD)

- NU 3320 - Complementary and Integrative Health Challenges
- NU 3400 - Nursing Care of Clients with Chronic Health Challenges
- NU 350 - Nursing Care of Older Adults
- NU 3600 - Nursing Care of the Community
- NU 390 - Evidence-Based Nursing Practice
- NU 391 - Pathophysiology II
- NU 395 - Interprofessional Education (IPE)
- NU 3980T - Nursing Topic: Transition Course for NU4700+cardiac lab
- NU 3980U - Nursing Topic: Transition Course for Evidenced-based Practice
- NU 450 - Gerontological Management of Care
- NU 455 - Gerontological Policy, Service, and Social Issues
- NU 4600 - Nursing Care of Clients with Mental Health Challenges
- NU 4700 - Nursing Care of Clients with Complex Chronic Health Challenges
- NU 4702 - Application of Nursing Care Concepts to Clients with Complex Chronic Health Challenges
- NU 4710 - Nursing Care of Clients with Complex Episodic Health Challenges
- NU 4711 - Nursing Care of Clients with Complex Episodic Health Challenges (ASD)
- NU 485 - Senior Nursing Preceptorship
- NU 4850 - Senior Nursing Preceptorship (ASD)
- NU 4860 - Synthesis of Nursing Care
- NU 4870 - Transition to Professional Nursing Practice I
- NU 4870X - Transition to Professional Nursing Practice I
- NU 4880 - Transition to Professional Nursing Practice II
- NU 4961 - Nursing Leadership I
- NU 4971 - Nursing Leadership II
- NU 4980 - Special Topics in Nursing
- NU 499 - Independent Study
- NU 499IR - Instructional Review
- NU 1000 - Intro Nursing Health and Language
- UX 1400 - Foundations of User Experience

- UX 1400H - Foundations of User Experience
- UX 1511 - Visual Design I
- UX 1521 - Visual Design II
- UX 2001 - Human-Centered AI
- UX 2002 - Intelligent User Interfaces
- UX 2011 - Interface Design I
- UX 2021 - Interface Design II
- UX 2023 - Design Systems
- UX 2024 - Information Architecture
- UX 2031 - Interaction Design
- UX 241H - Easy by Design
- UX 242 - Collaborative Design
- UX 253 - Inclusive Design
- UX 255 - User Interface Design
- UX 3001 - Communicating with Data
- UX 3011 - UX Research I
- UX 3015 - Designing for the Digital Future
- UX 3021 - UX Research II
- UX 3025 - Data Visualization
- UX 3031 - Agile Product Management
- UX 3035 - Design for Voice
- UX 3045 - SEO and Analytics
- UX 333 - Knowledge and Content Management
- UX 345 - Agile Project Management
- UX 361 - UX Research
- UX 4011 - UX Senior Project I
- UX 4021 - UX Senior Project II
- UX 4031 - UX Senior Project III
- UX 4410 - Digital Portfolio and Professional Development
- UX 490 - Independent Study
- UX 495 - UX Selected Studies
- UX 498 - UX Practicum
- UX 499 - UX and Communication Design Internship
- UX 172 - Desktop Publishing and UX Tools

- PL HU - Placeholder for HU Course
- PL SS - Placeholder for SS Course
- PL PROG - Placeholder for Program Course
- PL MS - Placeholder for Math/Science Course
- BIO 1110 - Cell Biology and Genetics
- BIO 1410 - Human Anatomy & Physiology I
- BIO 1420 - Human Anatomy & Physiology II
- BIO 2310 - Clinical Microbiology and Genomics
- BIO 2520 - Human Physiology II
- CHM 1010 - Chemistry I
- CHM 1020 - Chemistry II
- CHM 1310 - Chemistry of Food Molecules
- CHM 2310 - Biochemistry
- CHM 3510 - Advanced Analytical Chemistry
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices
- SCI 1610 - Environmental Science

ELC LabS - Lab Sciences Elective

- BIO 1110 - Cell Biology and Genetics
- BIO 1410 - Human Anatomy & Physiology I
- BIO 1420 - Human Anatomy & Physiology II
- BIO 2310 - Clinical Microbiology and Genomics
- BIO 2520 - Human Physiology II
- CHM 1010 - Chemistry I
- CHM 1020 - Chemistry II
- CHM 1310 - Chemistry of Food Molecules
- CHM 2310 - Biochemistry
- CHM 3510 - Advanced Analytical Chemistry
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices

- SCI 1610 - Environmental Science
- BI 102 - Cell Biology and Genetics
- BI 2305 - Physiology I
- CH 200 - Chemistry I
- CH 201 - Chemistry II
- CH 223 - Biochemistry
- PH 2011 - Physics I - Mechanics
- PH 2021 - Physics II - ElectroMagnetism
- PH 2031 - Waves, Optics, Thermodynamics, and Quantum Physics

ELC MS - Math/Science Elective

- MTH 2980T - Mathematics Topic: Quarter Calculus III
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV
- MTH 2130 - Calculus III
- MTH 2140 - Differential Equations
- MTH 2340 - Linear Algebra with Applications
- MTH 2480 - Probability and Statistics
- MTH 3340 - Abstract Algebra with Applications
- MTH 3410 - Applied Regression Analysis
- MTH 4130 - Complex Analysis
- MTH 4150 - Partial Differential Equations
- BIO 2320 - Cellular Microbiology
- BIO 2510 - Human Physiology I
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo
- CHM 3850 - Food Chemistry
- SCI 3750 - Nanoscience and Nanotechnology
- BI 1001 - Principles of Biomedical Sciences
- BI 1002 - Human Body Systems
- BI 1003 - Medical Interventions
- BI 1010 - Human Anatomy and Physiology I
- BI 1010A - Human Anatomy and Physiology I
- BI 102 - Cell Biology and Genetics
- BI 1020 - Human Anatomy and Physiology II

- BI 1030 - Human Anatomy and Physiology III
- BI 1980T - Biology Topic: Anatomy and Physiology I
- BI 1980U - Biology Topic: Anatomy and Physiology II
- BI 1980V - Biology Topic: Anatomy and Physiology III
- BI 2020 - Cellular Microbiology
- BI 2040 - Human Anatomy and Physiology IV
- BI 2305 - Physiology I
- BI 2306 - Human Physiology I
- BI 2315 - Physiology II
- BI 2316 - Human Physiology II
- BI 256 - Microbiology
- BI 3100 - Stem Cell and Cancer Biology
- BI 3350 - Introduction to Genomics: Concepts and Technologies
- BI 4980 - Topics in Biology
- BI 499 - Life Science Independent Study
- BI 172 - Human Anatomy and Physiology I
- CH 200 - Chemistry I
- CH 200A - Chemistry I
- CH 200B - Chemistry I
- CH 201 - Chemistry II
- CH 2050 - General Chemistry for Life Sciences
- CH 222 - Organic Chemistry I
- CH 223 - Biochemistry
- CH 2250 - Organic Chemistry for Life Sciences
- CH 2251 - Organic Chemistry for Life Sciences
- CH 2261 - Biochemistry for Life Sciences
- CH 302 - Chemistry III
- CH 3020 - Food Chemistry
- CH 303 - Chemistry III Lab
- CH 310 - Applied Chemistry
- CH 322 - Organic Chemistry II
- CH 323 - Organic Chemistry II Lab
- CH 353 - Fundamentals of Environmental Chem
- CH 3650 - Materials Chemistry

- CH 3660 - Surface Properties of Materials
- CH 3670 - Polymer Chemistry
- CH 371 - Modern Biotechnology
- CH 373 - Advanced Biotechnology
- CH 401 - Topics in Chemistry
- CH 499 - Independent Study
- PH 2011 - Physics I - Mechanics
- PH 2011A - Physics I - Mechanics
- PH 2021 - Physics II - ElectroMagnetism
- PH 2031 - Waves, Optics, Thermodynamics, and Quantum Physics
- PH 320 - Lasers and Applications
- PH 322 - Intro-Optics and Photonics
- PH 324 - Fiber Optics/Fiber Optic Sensors
- PH 325 - Acoustics & Illumination
- PH 341 - Intro-Astronomy/Astrophysics
- PH 342 - Relativity and Cosmology
- PH 352 - Quantum Physics
- PH 354 - Nuclear Power, Applications and Safety
- PH 3600 - Physics of Semiconductor Materials and Devices
- PH 361 - Physics of Materials
- PH 3710 - Intro to Biophysics
- PH 401 - Topics in Physics
- PH 499 - Independent Study
- PH 2010 - Physics I - Mechanics
- PH 2020 - Physics II–Electromagnetism/Optics
- PH 2030 - Physics III
- SC 310 - Nanoscience and Nanotechnology
- SC 370 - Geology and Geophysics
- SC 371 - Oceanography
- SC 499 - Independent Study
- PH 1980T - Physics Topic: Waves, Relativity, Thermo
- MA 2323 - Calculus IV
- MA 232 - Calculus IV
- MA 235 - Differential Equations

- MA 2320 - Introduction to Graph Theory
- MA 262 - Probability and Statistics
- MA 327 - Mathematical Modeling
- MA 330 - Vector Analysis
- MA 343 - Linear Programming
- MA 344 - Nonlinear Programming
- MA 380 - Advanced Differential Equations
- MA 381 - Complex Variables
- MA 382 - Laplace and Fourier Transforms
- MA 383 - Linear Algebra
- MA 384 - Statistical Methods for Use in Research
- MA 385 - Modern Algebra with Applications
- MA 386 - Functions of a Real Variable
- MA 387 - Partial Differential Equations
- MA 388 - Introduction to Number Theory
- MA 3320 - Discrete Mathematics II
- MA 3710 - Mathematical Biology
- MA 461 - Applied Probability Models
- MA 499 - Independent Study

ELC PLT - Program Elective (Lower Technical)

- BME 2310 - Embedded Systems for Biomedical Engineers
- BME 2961 - Introduction to Human Body Systems for Radiological Applications
- BME 2963 - Fundamentals of Medical Imaging and Imaging AI
- CPE 2600 - Systems Programming
- CPE 2610 - Embedded Systems
- CSC 2210 - Procedural and Object-Oriented C++
- CSC 2611 - AI Tools
- CSC 2621 - Introduction to Data Science
- CSC 2661 - Python for AI
- CSC 2663 - Machine Learning Techniques
- ELE 2001 - Electric Circuits I: Theory and Applications

- ELE 2011 - Electric Circuits II: Theory and Applications
- ELE 2051 - Circuit Theory for Mechanical Engineering
- ELE 2610 - Embedded Systems
- ELE 2801 - Bridge Digital Design and Procedural Programming
- SWE 2410 - Design and Cloud Patterns
- SWE 2511 - Web Applications
- SWE 2710 - Software Tools and Process
- SWE 2721 - Introduction to Software Verification
- BME 3010 - Medical Device Regulation and Standards
- BME 3210 - Medical Imaging Systems
- BME 3310 - Sensors, Actuators, and Interfaces
- BME 3410 - Biomechanics
- BME 3510 - Biotransport Phenomena
- BME 3610 - Biomaterials
- BME 3710 - Biomedical Instrumentation I
- BME 3980T - Biomedical Topic: Integrated BME Lab
- BME 4110 - Control Systems for Biomedical Applications
- BME 4410 - Advanced Biomechanics
- BME 4710 - Biomedical Instrumentation II
- BME 4801 - Clinical Engineering Internship
- BME 4802 - Biomedical Engineering Research Internship
- BME 4910 - Lasers: Medical Applications
- BME 4980 - Topics in Biomedical Engineering
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards
- BME 4981 - Topics in Biomedical Engineering with Lab
- BME 4999 - Biomedical Engineering Independent Study
- CPE 3300 - Computer Networking
- CPE 3600 - Advanced Embedded Systems
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture
- CPE 4520 - Memory System and I/O System Architecture
- CPE 4800 - Information Security
- CPE 4980 - Topics in Computer Engineering
- CPE 4981 - Topics in Computer Engineering with Lab

- CPE 4999 - Computer Engineering Independent Study
- CSC 3210 - Operating Systems
- CSC 3310 - Algorithms and Advanced Data Structures
- CSC 3320 - Databases
- CSC 3511 - Security and Networking
- CSC 4241 - GPU Programming
- CSC 4243 - Compiler Construction
- CSC 4245 - Linux Administration
- CSC 4341 - Competitive Programming
- CSC 4601 - Theory of Machine Learning
- CSC 4611 - Introduction to Deep Learning
- CSC 4631 - Artificial Intelligence
- CSC 4641 - Natural Language Processing
- CSC 4801 - Data Science Practicum
- CSC 4911 - Mobile Application Development
- CSC 4941 - Robotics
- CSC 4980 - Topics in Computer Science
- CSC 4981 - Topics in Computer Science with Lab
- CSC 4999 - Computer Science Independent Study
- CSC 5201 - Microservices and Cloud Computing
- CSC 5241 - GPU Programming
- CSC 5601 - Theory of Machine Learning
- CSC 5610 - AI Tools and Paradigms
- CSC 5611 - Deep Learning
- CSC 5980 - Topics in Computer Science
- CSC 5981 - Topics in Computer Science with Lab
- ELE 3101 - Electronics I
- ELE 3111 - Electronics II
- ELE 3141 - Transfer Electronics
- ELE 3151 - Bridge Electronics II
- ELE 3201 - Electromagnetic Fields
- ELE 3211 - Electromagnetic Waves and T-lines
- ELE 3300 - Signals and Systems
- ELE 3310 - Introduction to Probability and Random Processes

- ELE 3320 - Digital Signal Processing
- ELE 3401 - Electric Power and Machines
- ELE 3510 - Digital Systems
- ELE 3701 - Control Systems
- ELE 4142 - Modern Electronic Systems
- ELE 4240 - Advanced Electromagnetics and Antenna Theory
- ELE 4300 - Principles of Communications
- ELE 4320 - Applications of DSP
- ELE 4403 - Specialty Electric Machines
- ELE 4440 - Power Electronics
- ELE 4447 - Power System Models and Analysis
- ELE 4451 - Grid Stability
- ELE 4480 - Electrical Power Systems Quality
- ELE 4610 - Advanced Programming for EEs
- ELE 4630 - Advanced Embedded Systems
- ELE 4701 - Control Systems Applications
- ELE 4940 - THL Bachelor Thesis
- ELE 4980T - EE Topic: Quarter Analog Electronics II
- ELE 4980 - Topics in Electrical Engineering
- ELE 4981 - Topics in Electrical Engineering with Laboratory
- ELE 4999 - Electrical Engineering Independent Study
- ELE 5142 - Modern Electronic Systems
- ELE 5240 - Advanced Electromagnetics and Antenna Theory
- ELE 5320 - Applications of DSP
- ELE 5440 - Power Electronics
- ELE 5480 - Electrical Power Systems Quality
- ELE 5610 - Advanced Programming for EEs
- ELE 5630 - Advanced Embedded Systems
- ELE 5980 - Topics in Electrical Engineering
- ELE 5981 - Topics in Electrical Engineering with Laboratory
- SWE 3411 - Software Requirements and Architecture
- SWE 3710 - Software Development Laboratory I
- SWE 3720 - Software Development Laboratory II
- SWE 4211 - Real-time Systems

- SWE 4411 - Game Development
- SWE 4511 - DevSecOps
- SWE 4540 - Network Security Tools and Practices
- SWE 4541 - Penetration Testing
- SWE 4980 - Topics in Software Engineering
- SWE 4981 - Topics in Software Engineering with Lab
- SWE 4999 - Software Engineering Independent Study
- UXD 3030 - Data Visualization
- BE 3005 - Professional Topics in BME
- BE 3015 - Biomedical Engineering Design I
- BE 3205 - Introduction to Sensors and Actuators
- BE 3405 - Biomedical Device Evaluation
- BE 3500 - Bio-thermal-fluid Transport I
- BE 3510 - Bio-thermal-fluid Transport 2
- BE 3515 - Bio-thermal-fluid Transport II
- BE 3705 - Biomedical Electronics and Instrumentation
- BE 3905 - Biomedical Combined Laboratory I
- BE 3915 - Combined Lab II: Physiology, DSP & Biomechanics
- BE 4005 - Biomedical Engineering Design II
- BE 4015 - Biomedical Engineering Design III
- BE 4025 - Biomedical Engineering Design IV
- BE 410 - Biomaterials
- BE 411 - Biomechanics
- BE 4205 - Medical Imaging Systems
- BE 4340 - Advanced Topics in Biomedical Digital Signal Processing
- BE 4705 - Biomedical Electronics and Instrumentation II
- BE 4805 - Biomedical System Dynamics
- BE 4815 - Biomedical Feedback Control Systems
- BE 4961 - Introduction to Human Body Systems for Radiological Applications
- BE 4962 - Fundamentals of Medical Imaging
- BE 4963 - Best Practices in Visualization and Labeling of Medical Images
- BE 4975 - Biomedical Research Internship

- BE 4980 - Independent Study
- BE 499 - Clinical Internship
- BE 4990 - Topics in Biomedical Engineering
- BE 4991 - Topics in Biomedical Engineering with Laboratory
- CE 3101 - Digital Electronics and Computer Interfacing
- CE 3200 - Wireless Sensor Networks
- CE 4100 - Embedded System Fabrication
- CE 4800 - Advanced Digital Design
- CE 493 - Advanced Digital Design
- CE 4930 - Computer Architecture II
- CE 4940 - VLSI Design Techniques
- CE 4951 - Networking I
- CE 4970 - Topics in Computer Engineering with Laboratory
- CE 498 - Topics in Computer Engineering
- CE 499 - Independent Study
- CS 3040 - Programming Languages and Translators
- CS 3300 - Data Science
- CS 3310 - Data Science Practicum
- CS 3400 - Machine Learning
- CS 3450 - Deep Learning
- CS 3840 - Operating Systems
- CS 3851 - Algorithms
- CS 3860 - Database Systems
- CS 4210 - Advanced Computer Graphics
- CS 4230 - Distributed and Cloud Computing
- CS 4830 - Computer Vision
- CS 4850 - Machine Learning
- CS 4860 - C# and Program Language Design
- CS 4881 - Artificial Intelligence
- CS 4920 - Information Security
- CS 4961 - Python for AI
- CS 4962 - Machine Learning Tools
- CS 4963 - Deep Learning and Neural Networks
- CS 4980 - Topics in Computer Science

- CS 4981 - Topics in Computer Science with Laboratory
- CS 4999 - Independent Study
- CS 5980 - Topics in Computer Science
- CS 5981 - Topics in Computer Science with Lab
- CS 498 - Topics in Computer Science
- EE 3001B - Signals and Circuits I
- EE 3002B - Signals and Circuits II
- EE 3032 - Signals and Systems
- EE 3050 - Dynamic Systems
- EE 3051B - Dynamic Systems
- EE 3102 - Analog Electronics I
- EE 3112 - Analog Electronics II
- EE 3204 - Electric and Magnetic Fields
- EE 3214 - Electromagnetic Waves
- EE 3221 - Digital Signal Processing
- EE 3401 - Electromechanical Energy Conversion
- EE 3720 - Control Systems
- EE 3900B - Design of Logic Systems
- EE 3910B - Embedded Systems
- EE 3921 - Digital System Design
- EE 4022 - Principles of Communications
- EE 4050 - Low-Noise Analog System Design
- EE 4112 - Advanced Analog Electronics
- EE 4142 - Power Electronics
- EE 421 - Digital Communication Systems
- EE 423 - Applications of Digital Signal Processing
- EE 4240 - Software-Defined Radio
- EE 425 - Radio Frequency Circuit Design
- EE 4250 - Advanced Signal Processing
- EE 426 - Advanced Electromagnetic Fields
- EE 4280 - Antenna Theory and Wireless Applications
- EE 429 - Microwave Engineering
- EE 4403 - Specialty Electric Machines
- EE 444 - Power Electronics

- EE 4451 - Bulk Electric System Stability and Control
- EE 447 - Power System Analysis I
- EE 4480 - Electrical Power Systems Quality
- EE 449 - Power System Analysis II
- EE 4601 - Modeling and Simulation of Dynamic Systems
- EE 4720 - Control Systems Applications
- EE 484 - Neural Networks
- EE 4901 - Electrical Engineering Cooperative Practicum 1
- EE 4902 - Electrical Engineering Cooperative Practicum 2
- EE 4903 - Electrical Engineering Cooperative Practicum 3
- EE 4930 - Advanced Embedded Systems
- EE 4980 - Topics in Electrical Engineering
- EE 4981 - Topics in Electrical Engineering with Laboratory
- EE 499 - Independent Study
- EE 499G - Independent Study - German Students
- EE 5280 - Antenna Theory and Wireless Applications
- EE 5403 - Specialty Electric Machines
- EE 5451 - Bulk Electric System Stability and Control
- EE 5981 - Electrical Engineering Special Topics with Laboratory
- EE 3031 - Signals and Systems
- EE 3101 - Operational Amplifier Design
- EE 3111 - Electronic Devices and Circuits
- EE 3220 - Digital Signal Processing
- EE 5480 - Electrical Power Systems Quality
- SE 3010 - Software Development Laboratory I
- SE 3020 - Software Development Laboratory II
- SE 3030 - Software Development Laboratory III
- SE 3250 - Introduction to Game Development
- SE 3800 - Software Engineering Process II
- SE 3830 - Human-Computer Interaction
- SE 3910 - Real-Time Systems
- SE 4840 - Software Maintenance and Craftsmanship
- SE 4910 - Mobile Application Development
- SE 4910I - Mobile Application Development-iOS

- SE 4930 - Developing Secure Software
- SE 4940 - Network Security Tools and Practices
- SE 4980 - Topics in Software Engineering
- SE 4981 - Topics in Software Engineering with Laboratory
- SE 4999 - Independent Study
- SE 5890 - Topics in Software Engineering
- SE 5981 - Topics in Software Engineering with Lab
- SE 400 - Senior Design Project I
- SE 401 - Senior Design Project II
- SE 402 - Senior Design Project III
- SE 498 - Topics in Software Engineering
- CE 2801 - Embedded Systems I
- CE 2812 - Embedded Systems II
- CE 2820 - Embedded Systems III
- CS 2040 - Programming in C and C++
- CS 2300 - Computational Science
- CS 2400 - Introduction to Artificial Intelligence
- CS 2550 - Concepts of Data Structures and Algorithms
- CS 2711 - Computer Organization
- CS 2852 - Data Structures
- CS 2911 - Network Protocols
- EE 201 - Linear Networks: Steady-State Analysis
- EE 2050 - Linear Circuits - Steady State I
- EE 2980T - Electrical Engineering Topic: Transition Circuits Course
- EE 2060 - Linear Circuits - Steady State II
- EE 2070 - Linear Circuits - Transients
- EE 2510 - Introduction to Object-Oriented Programming
- EE 2715 - Linear Circuits II: Transients
- EE 2725 - Linear Circuits III: AC
- EE 2905 - Introduction to Embedded Systems and Digital Electronics
- EE 2920 - Embedded Systems
- EE 2931 - Systems Interfacing
- EE 2705 - Linear Circuits I: DC
- EE 2900 - Combinational Logic Circuits

- SE 2030 - Software Engineering Tools and Practices
- SE 2040 - Software Development III
- SE 2800 - Software Engineering Process I
- SE 2811 - Software Component Design
- SE 2832 - Introduction to Software Verification
- SE 2840 - Web Application Development

ELC PUT - Program Elective (Upper Technical)

- BME 3010 - Medical Device Regulation and Standards
- BME 3210 - Medical Imaging Systems
- BME 3310 - Sensors, Actuators, and Interfaces
- BME 3410 - Biomechanics
- BME 3510 - Biotransport Phenomena
- BME 3610 - Biomaterials
- BME 3710 - Biomedical Instrumentation I
- BME 3980T - Biomedical Topic: Integrated BME Lab
- BME 4110 - Control Systems for Biomedical Applications
- BME 4410 - Advanced Biomechanics
- BME 4710 - Biomedical Instrumentation II
- BME 4801 - Clinical Engineering Internship
- BME 4802 - Biomedical Engineering Research Internship
- BME 4910 - Lasers: Medical Applications
- BME 4980 - Topics in Biomedical Engineering
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards
- BME 4981 - Topics in Biomedical Engineering with Lab
- BME 4999 - Biomedical Engineering Independent Study
- CPE 3300 - Computer Networking
- CPE 3600 - Advanced Embedded Systems
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture
- CPE 4520 - Memory System and I/O System Architecture
- CPE 4800 - Information Security
- CPE 4980 - Topics in Computer Engineering

- CPE 4981 - Topics in Computer Engineering with Lab
- CPE 4999 - Computer Engineering Independent Study
- CSC 3210 - Operating Systems
- CSC 3310 - Algorithms and Advanced Data Structures
- CSC 3320 - Databases
- CSC 3511 - Security and Networking
- CSC 4241 - GPU Programming
- CSC 4243 - Compiler Construction
- CSC 4245 - Linux Administration
- CSC 4341 - Competitive Programming
- CSC 4601 - Theory of Machine Learning
- CSC 4611 - Introduction to Deep Learning
- CSC 4631 - Artificial Intelligence
- CSC 4641 - Natural Language Processing
- CSC 4801 - Data Science Practicum
- CSC 4911 - Mobile Application Development
- CSC 4941 - Robotics
- CSC 4980 - Topics in Computer Science
- CSC 4981 - Topics in Computer Science with Lab
- CSC 4999 - Computer Science Independent Study
- CSC 5201 - Microservices and Cloud Computing
- CSC 5241 - GPU Programming
- CSC 5601 - Theory of Machine Learning
- CSC 5610 - AI Tools and Paradigms
- CSC 5611 - Deep Learning
- CSC 5980 - Topics in Computer Science
- CSC 5981 - Topics in Computer Science with Lab
- ELE 3101 - Electronics I
- ELE 3111 - Electronics II
- ELE 3141 - Transfer Electronics
- ELE 3151 - Bridge Electronics II
- ELE 3201 - Electromagnetic Fields
- ELE 3211 - Electromagnetic Waves and T-lines
- ELE 3300 - Signals and Systems

- ELE 3310 - Introduction to Probability and Random Processes
- ELE 3320 - Digital Signal Processing
- ELE 3401 - Electric Power and Machines
- ELE 3510 - Digital Systems
- ELE 3701 - Control Systems
- ELE 4142 - Modern Electronic Systems
- ELE 4240 - Advanced Electromagnetics and Antenna Theory
- ELE 4300 - Principles of Communications
- ELE 4320 - Applications of DSP
- ELE 4403 - Specialty Electric Machines
- ELE 4440 - Power Electronics
- ELE 4447 - Power System Models and Analysis
- ELE 4451 - Grid Stability
- ELE 4480 - Electrical Power Systems Quality
- ELE 4610 - Advanced Programming for EEs
- ELE 4630 - Advanced Embedded Systems
- ELE 4701 - Control Systems Applications
- ELE 4940 - THL Bachelor Thesis
- ELE 4980T - EE Topic: Quarter Analog Electronics II
- ELE 4980 - Topics in Electrical Engineering
- ELE 4981 - Topics in Electrical Engineering with Laboratory
- ELE 4999 - Electrical Engineering Independent Study
- ELE 5142 - Modern Electronic Systems
- ELE 5240 - Advanced Electromagnetics and Antenna Theory
- ELE 5320 - Applications of DSP
- ELE 5440 - Power Electronics
- ELE 5480 - Electrical Power Systems Quality
- ELE 5610 - Advanced Programming for EEs
- ELE 5630 - Advanced Embedded Systems
- ELE 5980 - Topics in Electrical Engineering
- ELE 5981 - Topics in Electrical Engineering with Laboratory
- SWE 3411 - Software Requirements and Architecture
- SWE 3710 - Software Development Laboratory I
- SWE 3720 - Software Development Laboratory II

- SWE 4211 - Real-time Systems
- SWE 4411 - Game Development
- SWE 4511 - DevSecOps
- SWE 4540 - Network Security Tools and Practices
- SWE 4541 - Penetration Testing
- SWE 4980 - Topics in Software Engineering
- SWE 4981 - Topics in Software Engineering with Lab
- SWE 4999 - Software Engineering Independent Study
- UXD 3030 - Data Visualization
- BE 3005 - Professional Topics in BME
- BE 3015 - Biomedical Engineering Design I
- BE 3205 - Introduction to Sensors and Actuators
- BE 3405 - Biomedical Device Evaluation
- BE 3500 - Bio-thermal-fluid Transport I
- BE 3510 - Bio-thermal-fluid Transport 2
- BE 3515 - Bio-thermal-fluid Transport II
- BE 3705 - Biomedical Electronics and Instrumentation
- BE 3905 - Biomedical Combined Laboratory I
- BE 3915 - Combined Lab II: Physiology, DSP & Biomechanics
- BE 4005 - Biomedical Engineering Design II
- BE 4015 - Biomedical Engineering Design III
- BE 4025 - Biomedical Engineering Design IV
- BE 410 - Biomaterials
- BE 411 - Biomechanics
- BE 4205 - Medical Imaging Systems
- BE 4340 - Advanced Topics in Biomedical Digital Signal Processing
- BE 4705 - Biomedical Electronics and Instrumentation II
- BE 4805 - Biomedical System Dynamics
- BE 4815 - Biomedical Feedback Control Systems
- BE 4961 - Introduction to Human Body Systems for Radiological Applications
- BE 4962 - Fundamentals of Medical Imaging
- BE 4963 - Best Practices in Visualization and Labeling of Medical Images

- BE 4975 - Biomedical Research Internship
- BE 4980 - Independent Study
- BE 499 - Clinical Internship
- BE 4990 - Topics in Biomedical Engineering
- BE 4991 - Topics in Biomedical Engineering with Laboratory
- CE 3101 - Digital Electronics and Computer Interfacing
- CE 3200 - Wireless Sensor Networks
- CE 4100 - Embedded System Fabrication
- CE 4800 - Advanced Digital Design
- CE 493 - Advanced Digital Design
- CE 4930 - Computer Architecture II
- CE 4940 - VLSI Design Techniques
- CE 4951 - Networking I
- CE 4970 - Topics in Computer Engineering with Laboratory
- CE 498 - Topics in Computer Engineering
- CE 499 - Independent Study
- CS 3040 - Programming Languages and Translators
- CS 3300 - Data Science
- CS 3310 - Data Science Practicum
- CS 3400 - Machine Learning
- CS 3450 - Deep Learning
- CS 3840 - Operating Systems
- CS 3851 - Algorithms
- CS 3860 - Database Systems
- CS 4210 - Advanced Computer Graphics
- CS 4230 - Distributed and Cloud Computing
- CS 4830 - Computer Vision
- CS 4850 - Machine Learning
- CS 4860 - C# and Program Language Design
- CS 4881 - Artificial Intelligence
- CS 4920 - Information Security
- CS 4961 - Python for AI
- CS 4962 - Machine Learning Tools
- CS 4963 - Deep Learning and Neural Networks

- CS 4980 - Topics in Computer Science
- CS 4981 - Topics in Computer Science with Laboratory
- CS 4999 - Independent Study
- CS 5980 - Topics in Computer Science
- CS 5981 - Topics in Computer Science with Lab
- CS 498 - Topics in Computer Science
- EE 3001B - Signals and Circuits I
- EE 3002B - Signals and Circuits II
- EE 3032 - Signals and Systems
- EE 3050 - Dynamic Systems
- EE 3051B - Dynamic Systems
- EE 3102 - Analog Electronics I
- EE 3112 - Analog Electronics II
- EE 3204 - Electric and Magnetic Fields
- EE 3214 - Electromagnetic Waves
- EE 3221 - Digital Signal Processing
- EE 3401 - Electromechanical Energy Conversion
- EE 3720 - Control Systems
- EE 3900B - Design of Logic Systems
- EE 3910B - Embedded Systems
- EE 3921 - Digital System Design
- EE 4022 - Principles of Communications
- EE 4050 - Low-Noise Analog System Design
- EE 4112 - Advanced Analog Electronics
- EE 4142 - Power Electronics
- EE 421 - Digital Communication Systems
- EE 423 - Applications of Digital Signal Processing
- EE 4240 - Software-Defined Radio
- EE 425 - Radio Frequency Circuit Design
- EE 4250 - Advanced Signal Processing
- EE 426 - Advanced Electromagnetic Fields
- EE 4280 - Antenna Theory and Wireless Applications
- EE 429 - Microwave Engineering
- EE 4403 - Specialty Electric Machines

- EE 444 - Power Electronics
- EE 4451 - Bulk Electric System Stability and Control
- EE 447 - Power System Analysis I
- EE 4480 - Electrical Power Systems Quality
- EE 449 - Power System Analysis II
- EE 4601 - Modeling and Simulation of Dynamic Systems
- EE 4720 - Control Systems Applications
- EE 484 - Neural Networks
- EE 4901 - Electrical Engineering Cooperative Practicum 1
- EE 4902 - Electrical Engineering Cooperative Practicum 2
- EE 4903 - Electrical Engineering Cooperative Practicum 3
- EE 4930 - Advanced Embedded Systems
- EE 4980 - Topics in Electrical Engineering
- EE 4981 - Topics in Electrical Engineering with Laboratory
- EE 499 - Independent Study
- EE 499G - Independent Study - German Students
- EE 5280 - Antenna Theory and Wireless Applications
- EE 5403 - Specialty Electric Machines
- EE 5451 - Bulk Electric System Stability and Control
- EE 5981 - Electrical Engineering Special Topics with Laboratory
- EE 3031 - Signals and Systems
- EE 3101 - Operational Amplifier Design
- EE 3111 - Electronic Devices and Circuits
- EE 3220 - Digital Signal Processing
- EE 5480 - Electrical Power Systems Quality
- SE 3010 - Software Development Laboratory I
- SE 3020 - Software Development Laboratory II
- SE 3030 - Software Development Laboratory III
- SE 3250 - Introduction to Game Development
- SE 3800 - Software Engineering Process II
- SE 3830 - Human-Computer Interaction
- SE 3910 - Real-Time Systems
- SE 4840 - Software Maintenance and Craftsmanship
- SE 4910 - Mobile Application Development

- SE 4910I - Mobile Application Development-iOS
- SE 4930 - Developing Secure Software
- SE 4940 - Network Security Tools and Practices
- SE 4980 - Topics in Software Engineering
- SE 4981 - Topics in Software Engineering with Laboratory
- SE 4999 - Independent Study
- SE 5890 - Topics in Software Engineering
- SE 5981 - Topics in Software Engineering with Lab
- SE 400 - Senior Design Project I
- SE 401 - Senior Design Project II
- SE 402 - Senior Design Project III
- SE 498 - Topics in Software Engineering