Software Engineering Electives

EL BUS - Business Elective

- BUS 2001 - Personal and Professional Development (1)
- BUS 2010 - Business Analysis and Data Storytelling (3)
- BUS 2100 - Organizational Management (3)
- BUS 2221 - Microeconomics (3)
- BUS 2222 - Macroeconomics (3)
- BUS 2225 - Health Care Economics (3)
- BUS 2330 - Business Law (3)
- BUS 2411 - Building Inclusive Teams (3)
- BUS 2445 - Global Business (3)
- BUS 2450 - Business Operations (3)
- BUS 2510 - Principles of Financial Accounting (3)
- BUS 2530 - Introduction to Finance (3)
- BUS 2660 - Marketing (3)
- BUS 2900 - Character in the Business Professions (3)
- BUS 3010 - Business Analytics (3)
- BUS 3200 - Principles of Economics and Financial Decision-Making (3)
- BUS 3400 - Project Management (3)
- BUS 3420 - Innovation and Entrepreneurship (3)
- BUS 3445 - Leadership Communication (3)
- BUS 3560 - Managerial Cost Accounting (3)
- BUS 3580 - Intermediate Accounting I (3)
- BUS 3585 - Intermediate Accounting II (3)
- BUS 3593 - Intermediate Finance and Portfolio Theory (3)
- BUS 3600 - Advanced Financial Analysis (3)
- BUS 3650 - Branding and Brand Management (3)
- BUS 3670 - Marketing Research (3)
- BUS 3800 - Continuous Improvement (3)
- BUS 3805 - Lean-Six Sigma Techniques (3)
- BUS 3820 - Planning, Scheduling, and Control (3)
- BUS 3890 - Supply Chain Management (3)
- BUS 4310 - Legal Aspects of Innovation and Entrepreneurship (3)
- BUS 4320 - Business Startups for Entrepreneurs (3)
- BUS 4340 - Cultivating Your Entrepreneurial Mindset (3)
- BUS 4490 - Human Resources (3)
- BUS 4500 - Management Control Systems and Advanced Managerial Accounting (3)
- BUS 4510 - Tax Planning and Research (3)
- BUS 4530 - Personal Financial Planning (3)
- BUS 4550 - Auditing and Advanced Accounting (3)

- BUS 4560 - Accounting Ethics (3)
- BUS 4570 - Accounting Information Systems (3)
- BUS 4575 - Accounting Analytics and Artificial Intelligence (3)
- BUS 4620 - Technical Selling (3)
- BUS 4630 - Sales Process and Pipeline (3)
- BUS 4640 - Sales Networking and Prospecting (3)
- BUS 4660 - Digital Marketing (3)
- BUS 4680 - Advertising and Promotion Strategies (3)
- BUS 4690 - Consumer Behavior (3)
- BUS 4820 - Enterprise Resource Planning (3)
- BUS 4900 - Forecasting and Strategy (3)
- BUS 5500 - Statistics and Data Analytics (3)
- BUS 5700 - Marketing (3)
- BUS 5800 - Innovation and Entrepreneurship (3)
- BUS 5950 - New Product Management (3)

EL CHBI - Chemistry/Biology Elective

- BIO 1110 - Cell Biology and Genetics (4)
- CHM 1010 - Chemistry I (4)

EL Free - Free Elective

- BIO 1110 - Cell Biology and Genetics (4)
- BIO 1410 - Human Anatomy & Physiology I (5)
- BIO 1420 - Human Anatomy & Physiology II (5)
- BIO 2310 - Clinical Microbiology (4)
- BIO 2520 - Human Physiology II (4)
- CHM 1010 - Chemistry I (4)
- CHM 1010A - Chemistry I (4)
- CHM 1020 - Chemistry II (4)
- CHM 1310 - Chemistry of Food Molecules (4)
- CHM 2310 - Biochemistry (4)
- CHM 3510 - Advanced Analytical Chemistry (3)
- PHY 1110 - Physics I - Mechanics and Thermodynamics (4)
- PHY 1110A - Physics I - Mechanics and Thermodynamics (4)
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics (4)
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices (4)
- MTH 2980T - Mathematics Topic: Quarter Calculus III (3)
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV (5)
- MTH 2130 - Calculus III (4)
- MTH 2140 - Differential Equations (3)
- MTH 2340 - Linear Algebra with Applications (3)

- MTH 2480 - Probability and Statistics (3)
- MTH 2680 - Introduction to Probability (3)
- MTH 3340 - Abstract Algebra with Applications (3)
- MTH 3410 - Applied Regression Analysis (3)
- MTH 4130 - Complex Analysis (3)
- MTH 4150 - Partial Differential Equations (3)
- BIO 2320 - Cellular Microbiology (3)
- BIO 2510 - Human Physiology I (3)
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo (1)
- CHM 3850 - Food Chemistry (3)
- SCI 3750 - Nanoscience and Nanotechnology (3)
- BUS 2001 - Personal and Professional Development (1)
- BUS 2010 - Business Analysis and Data Storytelling (3)
- BUS 2100 - Organizational Management (3)
- BUS 2221 - Microeconomics (3)
- BUS 2222 - Macroeconomics (3)
- BUS 2225 - Health Care Economics (3)
- BUS 2330 - Business Law (3)
- BUS 2411 - Building Inclusive Teams (3)
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- BUS 3593 - Intermediate Finance and Portfolio Theory (3)
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- BUS 4680 - Advertising and Promotion Strategies (3)
- BUS 4690 - Consumer Behavior (3)
- BUS 4820 - Enterprise Resource Planning (3)
- BUS 4900 - Forecasting and Strategy (3)
- BUS 5500 - Statistics and Data Analytics (3)
- BUS 5700 - Marketing (3)
- BUS 5800 - Innovation and Entrepreneurship (3)
- BUS 5950 - New Product Management (3)
- AHT 2001 - Western Art History (3)
- AHT 2002 - German Art History (3)
- AHT 2980 - Topics in Art History (3)
- AHT 2999 - Art History Independent Study (3)
- AHT 3980 - Topics in Art History (3)
- AHT 3999 - Art History Independent Study (3)
- AHT 4980 - Topics in Art History (3)
- AHT 4999 - Art History Independent Study (3)
- FNA 2002 - Drama and The Theater (3)
- FNA 2980 - Topics in Fine Arts (3)
- FNA 2999 - Fine Arts Independent Study (3)
- FNA 3001 - Creative Writing (3)
- FNA 3980 - Topics in Fine Arts (3)
- FNA 3999 - Fine Arts Independent Study (3)
- FNA 4010 - Film and Media Studies (3)
- FNA 4980 - Topics in Fine Arts (3)
- FNA 4999 - Fine Arts Independent Study (3)
- GER 1001 - Elementary German (3)
- GER 2001 - Intermediate German (3)
- GER 2999 - German Independent Study (3)

- GER 3001 - Advanced German (3)
- GER 3980 - Topics in the German-Speaking World (3)
- GER 3999 - German Independent Study (3)
- GER 4980 - Topics in the German-Speaking World (3)
- GER 4999 - German Independent Study (3)
- HST 1013 - United States History I (3)
- HST 1014 - United States History II (3)
- HST 1015 - Latin American History I (3)
- HST 1016 - Latin American History II (3)
- HST 2011 - American Revolution (3)
- HST 2012 - Civil War and Reconstruction (3)
- HST 2014 - History of US World's Fairs (3)
- HST 2015 - Topics in Twentieth Century American History (3)
- HST 2021 - Topics in Modern European History (3)
- HST 2022 - German History (3)
- HST 2031 - World War II (3)
- HST 2041 - Cuban History (3)
- HST 2053 - Music History (3)
- HST 2980 - Topics in History (3)
- HST 2999 - History Independent Study (3)
- HST 3980 - Topics in History (3)
- HST 3999 - History Independent Study (3)
- HST 4980 - Topics in History (3)
- HST 4999 - History Independent Study (3)
- LIT 1010 - American Literature I (3)
- LIT 1020 - American Literature II (3)
- LIT 2001 - Science Fiction (3)
- LIT 2010 - Literary Genres (3)
- LIT 2020 - Contemporary Literature (3)
- LIT 2980 - Topics in Literature (3)
- LIT 2999 - Literature Independent Study (3)
- LIT 3001 - Topics in Global Literature (3)
- LIT 3980 - Topics in Literature (3)
- LIT 3999 - Literature Independent Study (3)
- LIT 4980 - Topics in Literature (3)
- LIT 4999 - Literature Independent Study (3)
- PHL 2980 - Topics in Philosophy (3)
- PHL 2999 - Philosophy Independent Study (3)
- PHL 3101 - Ethics for Professional Managers and Engineers (3)
- PHL 3102 - Ethics of Digital Technologies and Artificial Intelligence (3)
- PHL 3103 - Bioethics (3)
- PHL 3104 - Eastern Philosophy (3)

- PHL 3201 - Introduction to Philosophy (3)
- PHL 3202 - Introduction to Logic (3)
- PHL 3203 - Epistemology (3)
- PHL 3204 - Metaphysics (3)
- PHL 3205 - Minds, Brains, and Computers (3)
- PHL 3206 - Social and Political Philosophy (3)
- PHL 3207 - Philosophy of Science (3)
- PHL 3208 - Philosophy of Art (3)
- PHL 3980 - Topics in Philosophy (3)
- PHL 3999 - Philosophy Independent Study (3)
- PHL 4980 - Topics in Philosophy (3)
- PHL 4999 - Philosophy Independent Study (3)
- SPN 1001 - Elementary Spanish (3)
- SPN 2001 - Intermediate Spanish (3)
- SPN 2999 - Spanish Independent Study (3)
- SPN 3001 - Advanced Spanish (3)
- SPN 3980 - Topics in the Spanish-Speaking World (3)
- SPN 3999 - Spanish Independent Study (3)
- SPN 4980 - Topics in the Spanish-Speaking World (3)
- SPN 4999 - Spanish Independent Study (3)
- HON 2980 - Honors Special Topics (3)
- ARE 3821 - Architectural History (3)
- ANT 1001 - Cultural Anthropology (3)
- ANT 2010 - Culture and Health in Central America (3)
- ANT 2012 - Urban Agriculture: Past, Present, Future (3)
- ANT 2020 - Native American Culture (3)
- ANT 2980 - Topics in Anthropology (3)
- ANT 2999 - Anthropology Independent Study (3)
- ANT 3980 - Topics in Anthropology (3)
- ANT 3999 - Anthropology Independent Study (3)
- ANT 4980 - Topics in Anthropology (3)
- ANT 4999 - Anthropology Independent Study (3)
- PSC 2010 - Foundations of Political Science (3)
- PSC 2011 - American Government (3)
- PSC 2015 - International Relations (3)
- PSC 2016 - Urban Studies (3)
- PSC 2980 - Topics in Political Science (3)
- PSC 2999 - Political Science Independent Study (3)
- PSC 3980 - Topics in Political Science (3)
- PSC 3999 - Political Science Independent Study (3)
- PSC 4980 - Topics in Political Science (3)
- PSC 4999 - Political Science Independent Study (3)

- PSY 1001 - Foundations of Psychology (3)
- PSY 2002 - Psychology of Design (3)
- PSY 2003 - Organizational Psychology (3)
- PSY 2005 - The Family: Psychological and Social Perspectives (3)
- PSY 2006 - Death, Dying, and Grief (3)
- PSY 2007 - Addictive and Compulsive Behavior (3)
- PSY 2010 - Understanding Human Language (3)
- PSY 2980 - Topics in Psychology (3)
- PSY 2999 - Psychology Independent Study (3)
- PSY 3001 - Cognitive Psychology (3)
- PSY 3002 - Psychological Disorders and Mental Health (3)
- PSY 3003 - Developmental Psychology (3)
- PSY 3004 - Social Psychology (3)
- PSY 3980 - Topics in Psychology (3)
- PSY 3999 - Psychology Independent Study (3)
- PSY 4980 - Topics in Psychology (3)
- PSY 4999 - Psychology Independent Study (3)
- SOC 1001 - Foundations of Sociology (3)
- SOC 2980 - Topics in Sociology (3)
- SOC 2999 - Sociology Independent Study (3)
- SOC 3001 - Cybercrime: Human Perspectives (3)
- SOC 3980 - Topics in Sociology (3)
- SOC 3999 - Sociology Independent Study (3)
- SOC 4001 - Digital Society (3)
- SOC 4980 - Topics in Sociology (3)
- SOC 4999 - Sociology Independent Study (3)
- BME 1010 - Introduction to Biomedical Engineering (2)
- BME 2310 - Embedded Systems for Biomedical Engineers (3)
- BME 2961 - Introduction to Human Body Systems for Radiological Applications (1)
- BME 2963 - Fundamentals of Medical Imaging and Imaging AI (1)
- BME 3010 - Medical Device Regulation and Standards (3)
- BME 3210 - Medical Imaging Systems (3)
- BME 3310 - Sensors, Actuators, and Interfaces (3)
- BME 3410 - Biomechanics (4)
- BME 3510 - Biotransport Phenomena (4)
- BME 3610 - Biomaterials (3)
- BME 3710 - Biomedical Instrumentation I (3)
- BME 3980T - Biomedical Topic: Integrated BME Lab (2)
- BME 4110 - Control Systems for Biomedical Applications (4)
- BME 4410 - Advanced Biomechanics (3)
- BME 4710 - Biomedical Instrumentation II (3)
- BME 4801 - Clinical Engineering Internship (3)

- BME 4802 - Biomedical Engineering Research Internship (3)
- BME 4901 - Biomedical Engineering Senior Design I (3)
- BME 4902 - Biomedical Engineering Senior Design II (3)
- BME 4910 - Lasers: Medical Applications (3)
- BME 4980 - Topics in Biomedical Engineering (3)
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards (2)
- BME 4981 - Topics in Biomedical Engineering with Lab (3)
- BME 4999 - Biomedical Engineering Independent Study (3)
- CPE 1500 - Digital Logic (4)
- CPE 1510 - Computer Architecture and Assembly Language (4)
- CPE 2600 - Systems Programming (4)
- CPE 2610 - Embedded Systems (4)
- CPE 3300 - Computer Networking (4)
- CPE 3600 - Advanced Embedded Systems (4)
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture (3)
- CPE 4520 - Memory System and I/O System Architecture (3)
- CPE 4610 - Embedded Systems Fabrication (3)
- CPE 4800 - Information Security (4)
- CPE 4980 - Topics in Computer Engineering (3)
- CPE 4981 - Topics in Computer Engineering with Lab (3)
- CPE 4999 - Computer Engineering Independent Study (3)
- ELE 1000 - Introduction to Electrical Engineering (3)
- ELE 1601 - Introduction to Programming for EEs (3)
- ELE 1801 - Transfer Digital Logic and Embedded Systems (3)
- ELE 2001 - Electric Circuits I: Theory and Applications (4)
- ELE 2011 - Electric Circuits II: Theory and Applications (4)
- ELE 2051 - Circuit Theory for Mechanical Engineering (3)
- ELE 2610 - Embedded Systems (4)
- ELE 2801 - Bridge Digital Design and Procedural Programming (4)
- ELE 3101 - Electronics I (4)
- ELE 3111 - Electronics II (3)
- ELE 3141 - Transfer Electronics (3)
- ELE 3151 - Bridge Electronics II (4)
- ELE 3201 - Electromagnetics and Transmission Lines (4)
- ELE 3300 - Signals and Systems (3)
- ELE 3310 - Introduction to Probability and Random Processes (3)
- ELE 3320 - Digital Signal Processing (3)
- ELE 3401 - Electric Power and Machines (4)
- ELE 3510 - Digital Systems (4)
- ELE 3701 - Control Systems (4)
- ELE 3900 - Career and Professional Guidance (1)
- ELE 4142 - Modern Electronic Systems (3)

- ELE 4240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 4300 - Principles of Communications (3)
- ELE 4320 - Applications of DSP (3)
- ELE 4403 - Specialty Electric Machines (3)
- ELE 4440 - Power Electronics (3)
- ELE 4447 - Power System Models and Analysis (3)
- ELE 4451 - Grid Stability (3)
- ELE 4480 - Electrical Power Systems Quality (3)
- ELE 4610 - Advanced Programming for EEs (3)
- ELE 4630 - Advanced Embedded Systems (3)
- ELE 4701 - Control Systems Applications (3)
- ELE 4901 - Electrical Engineering - Senior Design Project I (3)
- ELE 4902 - Electrical Engineering - Senior Design Project II (3)
- ELE 4940 - THL Bachelor Thesis (3)
- ELE 4980T - EE Topic: Quarter Analog Electronics II (3)
- ELE 4980 - Topics in Electrical Engineering (3)
- ELE 4981 - Topics in Electrical Engineering with Laboratory (3)
- ELE 4999 - Electrical Engineering Independent Study (3)
- ELE 5142 - Modern Electronic Systems (3)
- ELE 5240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 5320 - Applications of DSP (3)
- ELE 5440 - Power Electronics (3)
- ELE 5403 - Specialty Electric Machines (3)
- ELE 5447 - Power System Models and Analysis (3)
- ELE 5451 - Grid Stability (3)
- ELE 5480 - Electrical Power Systems Quality (3)
- ELE 5610 - Advanced Programming for EEs (3)
- ELE 5630 - Advanced Embedded Systems (3)
- ELE 5980 - Topics in Electrical Engineering (3)
- ELE 5981 - Topics in Electrical Engineering with Laboratory (3)
- ACS 1130 - Introduction to Actuarial Science (2)
- ACS 1530 - Financial Mathematics I (3)
- ACS 1540 - Financial Mathematics II (3)
- ACS 2740 - Risk Management and Insurance (3)
- ACS 3410 - Linear Regression and Time Series (3)
- ACS 3420 - Linear Models and Predictive Analytics (3)
- ACS 3530 - Fundamentals of Actuarial Mathematics I (3)
- ACS 3540 - Fundamentals of Actuarial Mathematics II (3)
- ACS 3740 - Introduction to Asset Pricing (3)
- ACS 4410 - Advanced Predictive Analytics (3)
- ACS 4530 - Actuarial Life Contingency Models (3)
- ACS 4630 - Actuarial Probability Models I (3)

- ACS 4640 - Actuarial Probability Models II (3)
- ACS 4740 - Quantitative Risk Management (3)
- ACS 4901 - Actuarial Science Senior Capstone Project (3)
- ACS 4980 - Topics in Actuarial Science (3)
- ACS 4999 - Actuarial Science Independent Study (3)
- ARE 2111 - Fundamentals of Electricity and Circuits (3)
- ARE 2851 - Architectural Graphics (2)
- ARE 2852 - Building Information Modeling (2)
- ARE 2980 - Topics in Architectural Engineering (3)
- ARE 3101 - Principles of Electrical Engineering for Buildings (3)
- ARE 3121 - Design of Communication and Life Safety Systems (3)
- ARE 3151 - Design of Lighting Systems (3)
- ARE 3161 - Design of Power Systems (3)
- ARE 3401 - Principles of Mechanical Engineering for Buildings (3)
- ARE 3441 - Design of Fire Protection and Life Safety Systems (3)
- ARE 3451 - Design of Mechanical Systems (3)
- ARE 3461 - Design of Plumbing Systems (3)
- ARE 3980 - Topics in Architectural Engineering (3)
- ARE 4321 - Soil Mechanics and Foundations (3)
- ARE 4901 - Architectural Engineering Capstone I (4)
- ARE 4902 - Architectural Engineering Capstone II (4)
- ARE 4980 - Topics in Architectural Engineering (3)
- ARE 4999 - Architectural Engineering Independent Study (3)
- ARE 5141 - District Energy Electrical Systems (3)
- ARE 5151 - Design of Lighting Systems II (3)
- ARE 5161 - Design of Power Systems II (3)
- ARE 5162 - Electrical Power Quality for Buildings (3)
- ARE 5421 - Design of Building Control Systems (3)
- ARE 5431 - District Energy Mechanical Systems (3)
- ARE 5451 - Design of Mechanical Systems II (3)
- ARE 5452 - Design of Hydronic Systems (3)
- ARE 5453 - Indoor Air Quality (3)
- ARE 5871 - Commissioning (3)
- ARE 5980 - Topics in Architectural Engineering (3)
- CAE 1001 - Professional Growth I (0)
- CAE 1811 - 1st Year Design (3)
- CAE 1851 - Introduction to CAECM Graphics (2)
- CAE 1871 - Materials and Methods (4)
- CAE 1872 - Materials and Methods Laboratory (1)
- CAE 2001 - Professional Growth II (0)
- CAE 2411 - Thermal Sciences (3)
- CAE 2511 - Statics (3)

- CAE 2512 - Mechanics of Materials (3)
- CAE 2711 - Fluid Mechanics (3)
- CAE 2980 - CAE Topic: Quarter Building Construction Methods (2)
- CAE 3001 - Professional Growth III (0)
- CAE 3501 - Principles of Structural Engineering (3)
- CAE 3511 - Analysis of Structures (3)
- CAE 3521 - Design of Reinforced Concrete Structures (3)
- CAE 3561 - Design of Steel Structures (3)
- CAE 3861 - Specifications and the Project Manual (2)
- CAE 3891 - Introduction to Disaster Relief and Global Sustainable Development (3)
- CAE 3980 - Topics in Civil and Architectural Engineering (3)
- CAE 3991 - Co-op Experience I (0)
- CAE 3992 - Co-op Experience II (0)
- CAE 4811 - Real Estate Development Economics (3)
- CAE 4861 - Construction Law and Contracts (3)
- CAE 4881 - Sustainability and Resilience (3)
- CAE 4901 - Architectural Engineering and Construction Management Capstone I (4)
- CAE 4902 - Architectural Engineering and Construction Management Capstone II (4)
- CAE 4980 - Topics in Civil and Architectural Engineering (3)
- CAE 4991 - Co-op Experience III (0)
- CAE 4992 - Co-op Experience IV (0)
- CAE 4999 - Civil and Architectural Engineering Independent Study (3)
- CAE 5461 - Water Reclamation and Treatment Systems (3)
- CAE 5511 - Analysis of Structures by Matrix Methods (3)
- CAE 5512 - Introduction to the Finite Element Method (3)
- CAE 5521 - Design of Reinforced Concrete Structures II (3)
- CAE 5522 - Design of Precast Concrete Structures (3)
- CAE 5551 - Design of Masonry Structures (3)
- CAE 5561 - Design of Steel Structures II (3)
- CAE 5571 - Design of Wood and Timber Structures (3)
- CAE 5591 - Design of Structural Systems (3)
- CON 2001 - Introduction to Construction Management (3)
- CON 2011 - Surveying (2)
- CON 2071 - Construction Safety (2)
- CON 2980 - Topics in Construction Management (3)
- CON 3001 - Principles of Construction Project Management (3)
- CON 3011 - Building Mechanical and Electrical Systems for CM (3)
- CON 3021 - Construction Estimating (3)
- CON 3061 - Construction Scheduling (3)
- CON 3071 - Construction Jobsite and Equipment Management (3)
- CON 3980 - Topics in Construction Management (3)
- CON 4021 - Construction Finance and Accounting (3)

- CON 4051 - Construction Project Management II (3)
- CON 4901 - Construction Management Capstone I (4)
- CON 4902 - Construction Management Capstone II (4)
- CON 4980 - Topics in Construction Management (3)
- CON 4999 - Construction Management Independent Study (3)
- CON 5011 - Lean Construction and Resource Management (3)
- CON 5051 - Construction Project Leadership (3)
- CON 5980 - Topics in Computer Science (3)
- CVE 2851 - Introduction to Civil 3D (2)
- CVE 2852 - Introduction to Geographic Information Systems (GIS) (2)
- CVE 2980 - Topics in Civil Engineering (3)
- CVE 3201 - Principles of Environmental Engineering (3)
- CVE 3251 - Design of Municipal Potable Water and Wastewater Treatment Plants (3)
- CVE 3301 - Principles of Soils and Geotechnical Engineering (3)
- CVE 3601 - Principles of Transportation Engineering (3)
- CVE 3611 - Traffic Engineering (3)
- CVE 3661 - Geometric Design of Roadways (3)
- CVE 3701 - Principles of Water Resources Engineering (3)
- CVE 3721 - Analysis and Design of Potable Water Distribution Systems and Wastewater Collection Systems (3)
- CVE 3741 - Design of Stormwater Management Systems (3)
- CVE 3811 - Principles of Site Development (3)
- CVE 3980 - Topics in Civil Engineering (3)
- CVE 4901 - Civil Engineering Capstone I (4)
- CVE 4902 - Civil Engineering Capstone II (4)
- CVE 4980 - Topics in Civil Engineering (3)
- CVE 4999 - Civil Engineering Independent Study (3)
- CVE 5201 - Environmental and Water Law (3)
- CVE 5211 - Air Quality (3)
- CVE 5221 - Environmental Chemistry for Civil Engineers (3)
- CVE 5222 - Environmental Microbiology (3)
- CVE 5241 - Solid Waste Engineering and Design (3)
- CVE 5321 - Design of Foundations (3)
- CVE 5331 - Retaining Structures and Slope Stability (3)
- CVE 5423 - Ecological Aspects of Environmental Microbiology (3)
- CVE 5611 - Traffic Analysis (3)
- CVE 5621 - Design and Planning of Airports (3)
- CVE 5631 - Design and Bridges (3)
- CVE 5661 - Pavement Design (3)
- CVE 5681 - Traffic Control (3)
- CVE 5721 - Hydraulic Design (3)
- CVE 5731 - Physical Hydrogeology (3)

- CVE 5741 - Hydrology (3)
- CVE 5811 - Applied Statistics and Modeling (3)
- CVE 5980 - Topics in Civil Engineering (3)
- COM 1001 - College Writing (3)
- COM 2001 - Writing for the STEM Disciplines (3)
- COM 2980 - Topics in Communication (3)
- COM 2999 - Communication Independent Study (3)
- COM 3001 - Professional Presentations (3)
- COM 3980 - Topics in Communication (3)
- COM 3999 - Communication Independent Study (3)
- COM 4980 - Topics in Communication (3)
- COM 4999 - Communication Independent Study (3)
- UXD 1001 - Human-Centered Design (3)
- UXD 1020 - Visual Design (3)
- UXD 1030 - Interface Design (3)
- UXD 1040 - Design Thinking (3)
- UXD 2010 - Inclusive Design (3)
- UXD 2020 - Interaction Design (3)
- UXD 2030 - Designing for Extended Reality (3)
- UXD 2040 - People + Automation (3)
- UXD 2050 - UX Writing (3)
- UXD 2961 - Human-centered AI (1)
- UXD 2963 - Intelligent User Interfaces (1)
- UXD 2980 - Topics in User Experience (3)
- UXD 2999 - User Experience Independent Study (3)
- UXD 3010 - UX Research (3)
- UXD 3020 - Design for Chat and Voice (3)
- UXD 3030 - Data Visualization (3)
- UXD 3040 - Agile Project Management (3)
- UXD 3050 - Search Engine Optimization (3)
- UXD 3060 - Professional Portfolio (3)
- UXD 3980 - Topics in User Experience (3)
- UXD 3999 - User Experience Independent Study (3)
- UXD 4020 - UX of Physical Products (3)
- UXD 4030 - UX Strategy (3)
- UXD 4040 - UX in Transportation (3)
- UXD 4060 - UX in Healthcare (3)
- UXD 4801 - UX Internship (3)
- UXD 4901 - UX Senior Design (3)
- UXD 4980 - Topics in User Experience (3)
- UXD 4999 - User Experience Independent Study (3)
- CSE 3991 - Co-op Experience I (0)

- CSE 3992 - Co-op Experience II (0)
- CSE 4200 - Engineering Applications of MATLAB (3)
- CSE 4991 - Co-op Experience III (0)
- CSE 4992 - Co-op Experience IV (0)
- IND 1000 - Introduction to Industrial Engineering (1)
- IND 2010 - Logic Development and Computer Programming for Engineers (3)
- IND 2030 - Applied Statistics for Industrial Engineers (3)
- IND 2700 - Engineering Economics (3)
- IND 3210 - Automation Technologies (4)
- IND 3400 - Quality Systems (3)
- IND 3410 - Design of Experiments and Data Analysis for Engineers (3)
- IND 3510 - Fundamentals of Enterprise Operations for Engineers (3)
- IND 3600 - Ergonomics and Work Methods (4)
- IND 3700 - Project Management for Systems Change (3)
- IND 3810 - Process Modelling and Optimization (3)
- IND 3820 - Stochastic Processes (3)
- IND 4110 - Research Methods (3)
- IND 4120 - Healthcare Systems Engineering (3)
- IND 4210 - Computer-Aided Manufacturing/CNC Machining/Additive Manufacturing (3)
- IND 4310 - Production Planning and Inventory Control (3)
- IND 4320 - Facilities Design (3)
- IND 4330 - Modern Manufacturing Processes (3)
- IND 4410 - Six Sigma for Engineers (3)
- IND 4430 - Lean Manufacturing Enterprise for Engineers (3)
- IND 4610 - Safety Service Engineering (3)
- IND 4621 - Sociotechnical Systems Engineering (3)
- IND 4622 - Organization and Job Design (3)
- IND 4630 - Product Design and Development Processes (3)
- IND 4710 - Financial Engineering (3)
- IND 4720 - Supply Chain Engineering (3)
- IND 4830 - Process Simulation (3)
- IND 4840 - Advanced Simulation (3)
- IND 4901 - Industrial Engineering Senior Design Capstone I (3)
- IND 4902 - Industrial Engineering Senior Design Capstone II (3)
- IND 4980 - Topics in Industrial Engineering (3)
- IND 4999 - Industrial Engineering Independent Study (3)
- MEC 1602 - Introduction to Solid Modeling and Design (3)
- MEC 1900 - Introduction to Mechanical Engineering (1)
- MEC 1910 - Computer Applications in Engineering (3)
- MEC 2010 - Engineering Mechanics I: Statics (3)
- MEC 2020 - Engineering Mechanics II: Dynamics (3)
- MEC 2030 - Mechanics of Materials (4)

- MEC 2110 - Thermodynamics I (3)
- MEC 2501 - Statics and Mechanics of Materials (4)
- MEC 3040 - Computer-Aided Design of Machines (3)
- MEC 3060 - Design of Machine Components (3)
- MEC 3120 - Fluid Mechanics (3)
- MEC 3130 - Heat Transfer (3)
- MEC 3140 - Thermodynamics II (3)
- MEC 3210 - Material Science (3)
- MEC 3220 - Materials and Manufacturing Processes (4)
- MEC 3310 - Instrumentation and Measurements (3)
- MEC 3320 - Dynamic Systems (3)
- MEC 3991 - Co-op Experience I (0)
- MEC 3992 - Co-op Experience II (0)
- MEC 4060 - Finite Element Analysis (3)
- MEC 4160 - Computational Fluid Dynamics (3)
- MEC 4270 - Fatigue and Fracture in Mechanical Design (3)
- MEC 4310 - Automatic Control Systems (3)
- MEC 4350 - Mechanical System Simulation (3)
- MEC 4470 - Introduction to Robotics (3)
- MEC 4670 - Experimental Stress Analysis (3)
- MEC 4671 - Vibration Control (3)
- MEC 4672 - Applications in Finite Element Modeling (3)
- MEC 4673 - Advanced Machine Design (3)
- MEC 4674 - Medical Applications in Mechanical Engineering (3)
- MEC 4675 - Vehicle Dynamics (3)
- MEC 4676 - Composite Materials (3)
- MEC 4677 - Applied Numerical Methods (3)
- MEC 4678 - Data and Mechanical Engineering (3)
- MEC 4770 - Fluid Power Systems (3)
- MEC 4810 - Thermo-Fluid Systems Lab (3)
- MEC 4870 - HVAC Systems Design (3)
- MEC 4871 - Aerodynamics (3)
- MEC 4872 - Compressible Flow (3)
- MEC 4873 - Gas Turbines and Aircraft Engines (3)
- MEC 4874 - Renewable and Sustainable Energy Systems (3)
- MEC 4875 - Internal Combustion Engines (3)
- MEC 4901 - Mechanical Engineering Capstone Design I (3)
- MEC 4902 - Mechanical Engineering Capstone Design II (3)
- MEC 4950 - THL Bachelor’s Thesis (3)
- MEC 4980 - Topics in Mechanical Engineering (3)
- MEC 4991 - Co-op Experience III (0)
- MEC 4992 - Co-op Experience IV (0)

- MEC 4999 - Mechanical Engineering Independent Study (3)
- MEC 5601 - MicroElectroMechanical System Fundamentals (3)
- NUR 1000 - Introduction to Professional Nursing Practice (3)
- NUR 2000 - Nutrition in Health and Illness Across the Life Span (2)
- NUR 2001 - Pathophysiology and Pharmacology I (5)
- NUR 2002 - Pathophysiology and Pharmacology II (4)
- NUR 2003 - Pathophysiology (5)
- NUR 2004 - Pharmacology (4)
- NUR 2010 - Health Assessment (4)
- NUR 2015 - Health Assessment and Foundations of Safe, Person-Centered Nursing Care (5)
- NUR 2020 - Foundations of Safe, Person-Centered Nursing Care (6)
- NUR 2500 - Global Health Care and International Health Care Systems (3)
- NUR 3000 - Transcultural and Family Dynamics in Healthcare (3)
- NUR 3001 - Transcultural Dynamics in Healthcare (2)
- NUR 3005 - Nursing Care of Older Adults (3)
- NUR 3006 - Gerontological Management of Care (3)
- NUR 3010 - Episodic Health Challenges (7)
- NUR 3011 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning I (1)
- NUR 3015 - Episodic and Restorative Health Care (7)
- NUR 3016 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning (2)
- NUR 3020 - Chronic Health Challenges (5)
- NUR 3021 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning II (1)
- NUR 3030 - Population Health (5)
- NUR 3100 - Principles of Electrocardiograph (ECG) Interpretation and Monitoring (2)
- NUR 3320 - Complementary and Integrative Health Therapies (2)
- NUR 3950 - Interprofessional Education (IPE) (0)
- NUR 4001 - Preparing for NCLEX Licensure Success (2)
- NUR 4010 - Supportive Care for End-of-Life, Mental Health, and Trauma-Informed Care (5)
- NUR 4015 - Chronic Health Challenges (7)
- NUR 4020 - Complex High Acuity Health Challenges (5)
- NUR 4030 - Practice Synthesis: Preceptorship and Simulations (4)
- NUR 4901 - Nursing Research and Evidence-Based Practice (3)
- NUR 4902 - Nurses as Leaders in Advancing Health Care (3)
- NUR 4903 - Nursing Research and Evidence-Based Practice (Part I) (2)
- NUR 4904 - Nursing Research and Evidence-Based Practice (Part II) (1)
- NUR 4980 - Topics in Nursing (3)
- NUR 4990 - Instructional Review (3)
- NUR 4999 - Nursing Independent Study (3)
- HON 2011 - Honors Practicum (2)
- HON 2051 - Honors Seminar I (3)
- HON 2052 - Honors Seminar II (3)
- HON 2060 - Honors Travel Experience (0)

- HON 2999 - Honors Independent Study (3)
- HON 3060 - Honors Research/Entrepreneur Experience (0)
- HON 3980 - Honors Special Topics (3)
- HON 4060 - Honors Senior Reflection (0)
- HON 4999 - Honors Independent Study (3)
- UGR 4970 - Undergraduate Research Experience (3)
- UGR 4971 - Undergraduate Research Thesis I (3)
- UGR 4972 - Undergraduate Research Thesis II (3)
- IDS 2020 - Career Development (0)
- IDS 3901 - Interdisciplinary Design (3)
- PLC HU - Placeholder for HU Course (3)
- PLC SS - Placeholder for SS Course (3)
- PLC PROG - Placeholder for Program Course (3)
- PLC MS - Placeholder for Math/Science Course (3)
- CSC 2210 - Procedural and Object-Oriented C++ (4)
- CSC 2611 - AI Tools (3)
- CSC 2621 - Introduction to Data Science (3)
- CSC 2661 - Python for AI (1)
- CSC 2663 - Machine Learning Techniques (1)
- SWE 2410 - Design and Cloud Patterns (3)
- SWE 2511 - Web Applications (3)
- SWE 2710 - Software Tools and Process (4)
- SWE 2721 - Introduction to Software Verification (3)
- CSC 3210 - Operating Systems (3)
- CSC 3310 - Algorithms and Advanced Data Structures (3)
- CSC 3320 - Databases (3)
- CSC 3511 - Security and Networking (3)
- CSC 4201 - Microservices and Cloud Computing (3)
- CSC 4241 - GPU Programming (3)
- CSC 4243 - Compiler Construction (3)
- CSC 4341 - Competitive Programming (3)
- CSC 4601 - Theory of Machine Learning (3)
- CSC 4611 - Introduction to Deep Learning (3)
- CSC 4631 - Artificial Intelligence (3)
- CSC 4641 - Natural Language Processing (3)
- CSC 4651 - Deep Learning in Signal Processing (3)
- CSC 4801 - Data Science Practicum (3)
- CSC 4911 - Mobile Application Development (3)
- CSC 4941 - Robotics (3)
- CSC 4980 - Topics in Computer Science (3)
- CSC 4981 - Topics in Computer Science with Lab (3)
- CSC 4999 - Computer Science Independent Study (3)

- CSC 5201 - Microservices and Cloud Computing (4)
- CSC 5241 - GPU Programming (4)
- CSC 5601 - Theory of Machine Learning (4)
- CSC 5610 - AI Tools and Paradigms (4)
- CSC 5611 - Deep Learning (4)
- CSC 5651 - Deep Learning in Signal Processing (4)
- CSC 5661 - Reinforcement Learning (4)
- CSC 5980 - Topics in Computer Science (3)
- CSC 5981 - Topics in Computer Science with Lab (3)
- SWE 3411 - Software Requirements and Architecture (4)
- SWE 3710 - Software Development Laboratory I (3)
- SWE 3720 - Software Development Laboratory II (3)
- SWE 4211 - Real-time Systems (3)
- SWE 4411 - Game Development (3)
- SWE 4511 - DevSecOps (4)
- SWE 4540 - Network Security Tools and Practices (3)
- SWE 4980 - Topics in Software Engineering (3)
- SWE 4981 - Topics in Software Engineering with Lab (3)
- SWE 4999 - Software Engineering Independent Study (3)

EL LabS - Lab Sciences Elective

- BIO 1110 - Cell Biology and Genetics (4)
- BIO 1410 - Human Anatomy & Physiology I (5)
- BIO 1420 - Human Anatomy & Physiology II (5)
- BIO 2310 - Clinical Microbiology (4)
- BIO 2520 - Human Physiology II (4)
- CHM 1010 - Chemistry I (4)
- CHM 1010A - Chemistry I (4)
- CHM 1020 - Chemistry II (4)
- CHM 1310 - Chemistry of Food Molecules (4)
- CHM 2310 - Biochemistry (4)
- CHM 3510 - Advanced Analytical Chemistry (3)
- PHY 1110 - Physics I - Mechanics and Thermodynamics (4)
- PHY 1110A - Physics I - Mechanics and Thermodynamics (4)
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics (4)
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices (4)

EL MS - Math/Science Elective

- MTH 2980T - Mathematics Topic: Quarter Calculus III (3)
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV (5)
- MTH 2130 - Calculus III (4)

- MTH 2140 - Differential Equations (3)
- MTH 2340 - Linear Algebra with Applications (3)
- MTH 2480 - Probability and Statistics (3)
- MTH 2680 - Introduction to Probability (3)
- MTH 3340 - Abstract Algebra with Applications (3)
- MTH 3410 - Applied Regression Analysis (3)
- MTH 4130 - Complex Analysis (3)
- MTH 4150 - Partial Differential Equations (3)
- BIO 2320 - Cellular Microbiology (3)
- BIO 2510 - Human Physiology I (3)
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo (1)
- CHM 3850 - Food Chemistry (3)
- SCI 3750 - Nanoscience and Nanotechnology (3)
- BIO 1110 - Cell Biology and Genetics (4)
- BIO 1410 - Human Anatomy & Physiology I (5)
- BIO 1420 - Human Anatomy & Physiology II (5)
- BIO 2310 - Clinical Microbiology (4)
- BIO 2520 - Human Physiology II (4)
- CHM 1010 - Chemistry I (4)
- CHM 1010A - Chemistry I (4)
- CHM 1020 - Chemistry II (4)
- CHM 1310 - Chemistry of Food Molecules (4)
- CHM 2310 - Biochemistry (4)
- CHM 3510 - Advanced Analytical Chemistry (3)
- PHY 1110 - Physics I - Mechanics and Thermodynamics (4)
- PHY 1110A - Physics I - Mechanics and Thermodynamics (4)
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics (4)
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices (4)

EL PUT - Program Elective (Upper Technical)

- BME 3010 - Medical Device Regulation and Standards (3)
- BME 3210 - Medical Imaging Systems (3)
- BME 3310 - Sensors, Actuators, and Interfaces (3)
- BME 3410 - Biomechanics (4)
- BME 3510 - Biotransport Phenomena (4)
- BME 3610 - Biomaterials (3)
- BME 3710 - Biomedical Instrumentation I (3)
- BME 3980T - Biomedical Topic: Integrated BME Lab (2)
- BME 4110 - Control Systems for Biomedical Applications (4)
- BME 4410 - Advanced Biomechanics (3)
- BME 4710 - Biomedical Instrumentation II (3)

- BME 4801 - Clinical Engineering Internship (3)
- BME 4802 - Biomedical Engineering Research Internship (3)
- BME 4910 - Lasers: Medical Applications (3)
- BME 4980 - Topics in Biomedical Engineering (3)
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards (2)
- BME 4981 - Topics in Biomedical Engineering with Lab (3)
- BME 4999 - Biomedical Engineering Independent Study (3)
- CPE 3300 - Computer Networking (4)
- CPE 3600 - Advanced Embedded Systems (4)
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture (3)
- CPE 4520 - Memory System and I/O System Architecture (3)
- CPE 4610 - Embedded Systems Fabrication (3)
- CPE 4800 - Information Security (4)
- CPE 4980 - Topics in Computer Engineering (3)
- CPE 4981 - Topics in Computer Engineering with Lab (3)
- CPE 4999 - Computer Engineering Independent Study (3)
- CSC 3210 - Operating Systems (3)
- CSC 3310 - Algorithms and Advanced Data Structures (3)
- CSC 3320 - Databases (3)
- CSC 3511 - Security and Networking (3)
- CSC 4201 - Microservices and Cloud Computing (3)
- CSC 4241 - GPU Programming (3)
- CSC 4243 - Compiler Construction (3)
- CSC 4341 - Competitive Programming (3)
- CSC 4601 - Theory of Machine Learning (3)
- CSC 4611 - Introduction to Deep Learning (3)
- CSC 4631 - Artificial Intelligence (3)
- CSC 4641 - Natural Language Processing (3)
- CSC 4651 - Deep Learning in Signal Processing (3)
- CSC 4801 - Data Science Practicum (3)
- CSC 4911 - Mobile Application Development (3)
- CSC 4941 - Robotics (3)
- CSC 4980 - Topics in Computer Science (3)
- CSC 4981 - Topics in Computer Science with Lab (3)
- CSC 4999 - Computer Science Independent Study (3)
- CSC 5201 - Microservices and Cloud Computing (4)
- CSC 5241 - GPU Programming (4)
- CSC 5601 - Theory of Machine Learning (4)
- CSC 5610 - AI Tools and Paradigms (4)
- CSC 5611 - Deep Learning (4)
- CSC 5651 - Deep Learning in Signal Processing (4)
- CSC 5661 - Reinforcement Learning (4)

- CSC 5980 - Topics in Computer Science (3)
- CSC 5981 - Topics in Computer Science with Lab (3)
- ELE 3101 - Electronics I (4)
- ELE 3111 - Electronics II (3)
- ELE 3141 - Transfer Electronics (3)
- ELE 3151 - Bridge Electronics II (4)
- ELE 3201 - Electromagnetics and Transmission Lines (4)
- ELE 3300 - Signals and Systems (3)
- ELE 3310 - Introduction to Probability and Random Processes (3)
- ELE 3320 - Digital Signal Processing (3)
- ELE 3401 - Electric Power and Machines (4)
- ELE 3510 - Digital Systems (4)
- ELE 3701 - Control Systems (4)
- ELE 4142 - Modern Electronic Systems (3)
- ELE 4240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 4300 - Principles of Communications (3)
- ELE 4320 - Applications of DSP (3)
- ELE 4403 - Specialty Electric Machines (3)
- ELE 4440 - Power Electronics (3)
- ELE 4447 - Power System Models and Analysis (3)
- ELE 4451 - Grid Stability (3)
- ELE 4480 - Electrical Power Systems Quality (3)
- ELE 4610 - Advanced Programming for EEs (3)
- ELE 4630 - Advanced Embedded Systems (3)
- ELE 4701 - Control Systems Applications (3)
- ELE 4940 - THL Bachelor Thesis (3)
- ELE 4980T - EE Topic: Quarter Analog Electronics II (3)
- ELE 4980 - Topics in Electrical Engineering (3)
- ELE 4981 - Topics in Electrical Engineering with Laboratory (3)
- ELE 4999 - Electrical Engineering Independent Study (3)
- ELE 5142 - Modern Electronic Systems (3)
- ELE 5240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 5320 - Applications of DSP (3)
- ELE 5440 - Power Electronics (3)
- ELE 5403 - Specialty Electric Machines (3)
- ELE 5447 - Power System Models and Analysis (3)
- ELE 5451 - Grid Stability (3)
- ELE 5480 - Electrical Power Systems Quality (3)
- ELE 5610 - Advanced Programming for EEs (3)
- ELE 5630 - Advanced Embedded Systems (3)
- ELE 5980 - Topics in Electrical Engineering (3)
- ELE 5981 - Topics in Electrical Engineering with Laboratory (3)

- SWE 3411 - Software Requirements and Architecture (4)
- SWE 3710 - Software Development Laboratory I (3)
- SWE 3720 - Software Development Laboratory II (3)
- SWE 4211 - Real-time Systems (3)
- SWE 4411 - Game Development (3)
- SWE 4511 - DevSecOps (4)
- SWE 4540 - Network Security Tools and Practices (3)
- SWE 4980 - Topics in Software Engineering (3)
- SWE 4981 - Topics in Software Engineering with Lab (3)
- SWE 4999 - Software Engineering Independent Study (3)
- UXD 3030 - Data Visualization (3)

ELC Free - Free Elective

- BME 1010 - Introduction to Biomedical Engineering (2)
- BME 2310 - Embedded Systems for Biomedical Engineers (3)
- BME 2961 - Introduction to Human Body Systems for Radiological Applications (1)
- BME 2963 - Fundamentals of Medical Imaging and Imaging AI (1)
- BME 3010 - Medical Device Regulation and Standards (3)
- BME 3210 - Medical Imaging Systems (3)
- BME 3310 - Sensors, Actuators, and Interfaces (3)
- BME 3410 - Biomechanics (4)
- BME 3510 - Biotransport Phenomena (4)
- BME 3610 - Biomaterials (3)
- BME 3710 - Biomedical Instrumentation I (3)
- BME 3980T - Biomedical Topic: Integrated BME Lab (2)
- BME 4110 - Control Systems for Biomedical Applications (4)
- BME 4410 - Advanced Biomechanics (3)
- BME 4710 - Biomedical Instrumentation II (3)
- BME 4801 - Clinical Engineering Internship (3)
- BME 4802 - Biomedical Engineering Research Internship (3)
- BME 4901 - Biomedical Engineering Senior Design I (3)
- BME 4902 - Biomedical Engineering Senior Design II (3)
- BME 4910 - Lasers: Medical Applications (3)
- BME 4980 - Topics in Biomedical Engineering (3)
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards (2)
- BME 4981 - Topics in Biomedical Engineering with Lab (3)
- BME 4999 - Biomedical Engineering Independent Study (3)
- CPE 1500 - Digital Logic (4)
- CPE 1510 - Computer Architecture and Assembly Language (4)
- CPE 2600 - Systems Programming (4)
- CPE 2610 - Embedded Systems (4)

- CPE 3300 - Computer Networking (4)
- CPE 3600 - Advanced Embedded Systems (4)
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture (3)
- CPE 4520 - Memory System and I/O System Architecture (3)
- CPE 4610 - Embedded Systems Fabrication (3)
- CPE 4800 - Information Security (4)
- CPE 4980 - Topics in Computer Engineering (3)
- CPE 4981 - Topics in Computer Engineering with Lab (3)
- CPE 4999 - Computer Engineering Independent Study (3)
- ELE 1000 - Introduction to Electrical Engineering (3)
- ELE 1601 - Introduction to Programming for EEs (3)
- ELE 1801 - Transfer Digital Logic and Embedded Systems (3)
- ELE 2001 - Electric Circuits I: Theory and Applications (4)
- ELE 2011 - Electric Circuits II: Theory and Applications (4)
- ELE 2051 - Circuit Theory for Mechanical Engineering (3)
- ELE 2610 - Embedded Systems (4)
- ELE 2801 - Bridge Digital Design and Procedural Programming (4)
- ELE 3101 - Electronics I (4)
- ELE 3111 - Electronics II (3)
- ELE 3141 - Transfer Electronics (3)
- ELE 3151 - Bridge Electronics II (4)
- ELE 3201 - Electromagnetics and Transmission Lines (4)
- ELE 3300 - Signals and Systems (3)
- ELE 3310 - Introduction to Probability and Random Processes (3)
- ELE 3320 - Digital Signal Processing (3)
- ELE 3401 - Electric Power and Machines (4)
- ELE 3510 - Digital Systems (4)
- ELE 3701 - Control Systems (4)
- ELE 3900 - Career and Professional Guidance (1)
- ELE 4142 - Modern Electronic Systems (3)
- ELE 4240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 4300 - Principles of Communications (3)
- ELE 4320 - Applications of DSP (3)
- ELE 4403 - Specialty Electric Machines (3)
- ELE 4440 - Power Electronics (3)
- ELE 4447 - Power System Models and Analysis (3)
- ELE 4451 - Grid Stability (3)
- ELE 4480 - Electrical Power Systems Quality (3)
- ELE 4610 - Advanced Programming for EEs (3)
- ELE 4630 - Advanced Embedded Systems (3)
- ELE 4701 - Control Systems Applications (3)
- ELE 4901 - Electrical Engineering - Senior Design Project I (3)

- ELE 4902 - Electrical Engineering - Senior Design Project II (3)
- ELE 4940 - THL Bachelor Thesis (3)
- ELE 4980T - EE Topic: Quarter Analog Electronics II (3)
- ELE 4980 - Topics in Electrical Engineering (3)
- ELE 4981 - Topics in Electrical Engineering with Laboratory (3)
- ELE 4999 - Electrical Engineering Independent Study (3)
- ELE 5142 - Modern Electronic Systems (3)
- ELE 5240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 5320 - Applications of DSP (3)
- ELE 5440 - Power Electronics (3)
- ELE 5403 - Specialty Electric Machines (3)
- ELE 5447 - Power System Models and Analysis (3)
- ELE 5451 - Grid Stability (3)
- ELE 5480 - Electrical Power Systems Quality (3)
- ELE 5610 - Advanced Programming for EEs (3)
- ELE 5630 - Advanced Embedded Systems (3)
- ELE 5980 - Topics in Electrical Engineering (3)
- ELE 5981 - Topics in Electrical Engineering with Laboratory (3)
- ACS 1130 - Introduction to Actuarial Science (2)
- ACS 1530 - Financial Mathematics I (3)
- ACS 1540 - Financial Mathematics II (3)
- ACS 2740 - Risk Management and Insurance (3)
- ACS 3410 - Linear Regression and Time Series (3)
- ACS 3420 - Linear Models and Predictive Analytics (3)
- ACS 3530 - Fundamentals of Actuarial Mathematics I (3)
- ACS 3540 - Fundamentals of Actuarial Mathematics II (3)
- ACS 3740 - Introduction to Asset Pricing (3)
- ACS 4410 - Advanced Predictive Analytics (3)
- ACS 4530 - Actuarial Life Contingency Models (3)
- ACS 4630 - Actuarial Probability Models I (3)
- ACS 4640 - Actuarial Probability Models II (3)
- ACS 4740 - Quantitative Risk Management (3)
- ACS 4901 - Actuarial Science Senior Capstone Project (3)
- ACS 4980 - Topics in Actuarial Science (3)
- ACS 4999 - Actuarial Science Independent Study (3)
- ARE 2111 - Fundamentals of Electricity and Circuits (3)
- ARE 2851 - Architectural Graphics (2)
- ARE 2852 - Building Information Modeling (2)
- ARE 2980 - Topics in Architectural Engineering (3)
- ARE 3101 - Principles of Electrical Engineering for Buildings (3)
- ARE 3121 - Design of Communication and Life Safety Systems (3)
- ARE 3151 - Design of Lighting Systems (3)

- ARE 3161 - Design of Power Systems (3)
- ARE 3401 - Principles of Mechanical Engineering for Buildings (3)
- ARE 3441 - Design of Fire Protection and Life Safety Systems (3)
- ARE 3451 - Design of Mechanical Systems (3)
- ARE 3461 - Design of Plumbing Systems (3)
- ARE 3821 - Architectural History (3)
- ARE 3980 - Topics in Architectural Engineering (3)
- ARE 4321 - Soil Mechanics and Foundations (3)
- ARE 4901 - Architectural Engineering Capstone I (4)
- ARE 4902 - Architectural Engineering Capstone II (4)
- ARE 4980 - Topics in Architectural Engineering (3)
- ARE 4999 - Architectural Engineering Independent Study (3)
- ARE 5141 - District Energy Electrical Systems (3)
- ARE 5151 - Design of Lighting Systems II (3)
- ARE 5161 - Design of Power Systems II (3)
- ARE 5162 - Electrical Power Quality for Buildings (3)
- ARE 5421 - Design of Building Control Systems (3)
- ARE 5431 - District Energy Mechanical Systems (3)
- ARE 5451 - Design of Mechanical Systems II (3)
- ARE 5452 - Design of Hydronic Systems (3)
- ARE 5453 - Indoor Air Quality (3)
- ARE 5871 - Commissioning (3)
- ARE 5980 - Topics in Architectural Engineering (3)
- CAE 1001 - Professional Growth I (0)
- CAE 1811 - 1st Year Design (3)
- CAE 1851 - Introduction to CAECM Graphics (2)
- CAE 1871 - Materials and Methods (4)
- CAE 1872 - Materials and Methods Laboratory (1)
- CAE 2001 - Professional Growth II (0)
- CAE 2411 - Thermal Sciences (3)
- CAE 2511 - Statics (3)
- CAE 2512 - Mechanics of Materials (3)
- CAE 2711 - Fluid Mechanics (3)
- CAE 2980 - CAE Topic: Quarter Building Construction Methods (2)
- CAE 3001 - Professional Growth III (0)
- CAE 3501 - Principles of Structural Engineering (3)
- CAE 3511 - Analysis of Structures (3)
- CAE 3521 - Design of Reinforced Concrete Structures (3)
- CAE 3561 - Design of Steel Structures (3)
- CAE 3861 - Specifications and the Project Manual (2)
- CAE 3891 - Introduction to Disaster Relief and Global Sustainable Development (3)
- CAE 3980 - Topics in Civil and Architectural Engineering (3)

- CAE 3991 - Co-op Experience I (0)
- CAE 3992 - Co-op Experience II (0)
- CAE 4811 - Real Estate Development Economics (3)
- CAE 4861 - Construction Law and Contracts (3)
- CAE 4881 - Sustainability and Resilience (3)
- CAE 4901 - Architectural Engineering and Construction Management Capstone I (4)
- CAE 4902 - Architectural Engineering and Construction Management Capstone II (4)
- CAE 4980 - Topics in Civil and Architectural Engineering (3)
- CAE 4991 - Co-op Experience III (0)
- CAE 4992 - Co-op Experience IV (0)
- CAE 4999 - Civil and Architectural Engineering Independent Study (3)
- CAE 5461 - Water Reclamation and Treatment Systems (3)
- CAE 5511 - Analysis of Structures by Matrix Methods (3)
- CAE 5512 - Introduction to the Finite Element Method (3)
- CAE 5521 - Design of Reinforced Concrete Structures II (3)
- CAE 5522 - Design of Precast Concrete Structures (3)
- CAE 5551 - Design of Masonry Structures (3)
- CAE 5561 - Design of Steel Structures II (3)
- CAE 5571 - Design of Wood and Timber Structures (3)
- CAE 5591 - Design of Structural Systems (3)
- CON 2001 - Introduction to Construction Management (3)
- CON 2011 - Surveying (2)
- CON 2071 - Construction Safety (2)
- CON 2980 - Topics in Construction Management (3)
- CON 3001 - Principles of Construction Project Management (3)
- CON 3011 - Building Mechanical and Electrical Systems for CM (3)
- CON 3021 - Construction Estimating (3)
- CON 3061 - Construction Scheduling (3)
- CON 3071 - Construction Jobsite and Equipment Management (3)
- CON 3980 - Topics in Construction Management (3)
- CON 4021 - Construction Finance and Accounting (3)
- CON 4051 - Construction Project Management II (3)
- CON 4901 - Construction Management Capstone I (4)
- CON 4902 - Construction Management Capstone II (4)
- CON 4980 - Topics in Construction Management (3)
- CON 4999 - Construction Management Independent Study (3)
- CON 5011 - Lean Construction and Resource Management (3)
- CON 5051 - Construction Project Leadership (3)
- CON 5980 - Topics in Computer Science (3)
- CVE 2851 - Introduction to Civil 3D (2)
- CVE 2852 - Introduction to Geographic Information Systems (GIS) (2)
- CVE 2980 - Topics in Civil Engineering (3)

- CVE 3201 - Principles of Environmental Engineering (3)
- CVE 3251 - Design of Municipal Potable Water and Wastewater Treatment Plants (3)
- CVE 3301 - Principles of Soils and Geotechnical Engineering (3)
- CVE 3601 - Principles of Transportation Engineering (3)
- CVE 3611 - Traffic Engineering (3)
- CVE 3661 - Geometric Design of Roadways (3)
- CVE 3701 - Principles of Water Resources Engineering (3)
- CVE 3721 - Analysis and Design of Potable Water Distribution Systems and Wastewater Collection Systems (3)
- CVE 3741 - Design of Stormwater Management Systems (3)
- CVE 3811 - Principles of Site Development (3)
- CVE 3980 - Topics in Civil Engineering (3)
- CVE 4901 - Civil Engineering Capstone I (4)
- CVE 4902 - Civil Engineering Capstone II (4)
- CVE 4980 - Topics in Civil Engineering (3)
- CVE 4999 - Civil Engineering Independent Study (3)
- CVE 5201 - Environmental and Water Law (3)
- CVE 5211 - Air Quality (3)
- CVE 5221 - Environmental Chemistry for Civil Engineers (3)
- CVE 5222 - Environmental Microbiology (3)
- CVE 5241 - Solid Waste Engineering and Design (3)
- CVE 5321 - Design of Foundations (3)
- CVE 5331 - Retaining Structures and Slope Stability (3)
- CVE 5423 - Ecological Aspects of Environmental Microbiology (3)
- CVE 5611 - Traffic Analysis (3)
- CVE 5621 - Design and Planning of Airports (3)
- CVE 5631 - Design and Bridges (3)
- CVE 5661 - Pavement Design (3)
- CVE 5681 - Traffic Control (3)
- CVE 5721 - Hydraulic Design (3)
- CVE 5731 - Physical Hydrogeology (3)
- CVE 5741 - Hydrology (3)
- CVE 5811 - Applied Statistics and Modeling (3)
- CVE 5980 - Topics in Civil Engineering (3)
- COM 1001 - College Writing (3)
- COM 2001 - Writing for the STEM Disciplines (3)
- COM 2980 - Topics in Communication (3)
- COM 2999 - Communication Independent Study (3)
- COM 3001 - Professional Presentations (3)
- COM 3980 - Topics in Communication (3)
- COM 3999 - Communication Independent Study (3)
- COM 4980 - Topics in Communication (3)

- COM 4999 - Communication Independent Study (3)
- UXD 1001 - Human-Centered Design (3)
- UXD 1020 - Visual Design (3)
- UXD 1030 - Interface Design (3)
- UXD 1040 - Design Thinking (3)
- UXD 2010 - Inclusive Design (3)
- UXD 2020 - Interaction Design (3)
- UXD 2030 - Designing for Extended Reality (3)
- UXD 2040 - People + Automation (3)
- UXD 2050 - UX Writing (3)
- UXD 2961 - Human-centered AI (1)
- UXD 2963 - Intelligent User Interfaces (1)
- UXD 2980 - Topics in User Experience (3)
- UXD 2999 - User Experience Independent Study (3)
- UXD 3010 - UX Research (3)
- UXD 3020 - Design for Chat and Voice (3)
- UXD 3030 - Data Visualization (3)
- UXD 3040 - Agile Project Management (3)
- UXD 3050 - Search Engine Optimization (3)
- UXD 3060 - Professional Portfolio (3)
- UXD 3980 - Topics in User Experience (3)
- UXD 3999 - User Experience Independent Study (3)
- UXD 4020 - UX of Physical Products (3)
- UXD 4030 - UX Strategy (3)
- UXD 4040 - UX in Transportation (3)
- UXD 4060 - UX in Healthcare (3)
- UXD 4801 - UX Internship (3)
- UXD 4901 - UX Senior Design (3)
- UXD 4980 - Topics in User Experience (3)
- UXD 4999 - User Experience Independent Study (3)
- CSE 3991 - Co-op Experience I (0)
- CSE 3992 - Co-op Experience II (0)
- CSE 4200 - Engineering Applications of MATLAB (3)
- CSE 4991 - Co-op Experience III (0)
- CSE 4992 - Co-op Experience IV (0)
- IND 1000 - Introduction to Industrial Engineering (1)
- IND 2010 - Logic Development and Computer Programming for Engineers (3)
- IND 2030 - Applied Statistics for Industrial Engineers (3)
- IND 2700 - Engineering Economics (3)
- IND 3210 - Automation Technologies (4)
- IND 3400 - Quality Systems (3)
- IND 3410 - Design of Experiments and Data Analysis for Engineers (3)

- IND 3510 - Fundamentals of Enterprise Operations for Engineers (3)
- IND 3600 - Ergonomics and Work Methods (4)
- IND 3700 - Project Management for Systems Change (3)
- IND 3810 - Process Modelling and Optimization (3)
- IND 3820 - Stochastic Processes (3)
- IND 4110 - Research Methods (3)
- IND 4120 - Healthcare Systems Engineering (3)
- IND 4210 - Computer-Aided Manufacturing/CNC Machining/Additive Manufacturing (3)
- IND 4310 - Production Planning and Inventory Control (3)
- IND 4320 - Facilities Design (3)
- IND 4330 - Modern Manufacturing Processes (3)
- IND 4410 - Six Sigma for Engineers (3)
- IND 4430 - Lean Manufacturing Enterprise for Engineers (3)
- IND 4610 - Safety Service Engineering (3)
- IND 4621 - Sociotechnical Systems Engineering (3)
- IND 4622 - Organization and Job Design (3)
- IND 4630 - Product Design and Development Processes (3)
- IND 4710 - Financial Engineering (3)
- IND 4720 - Supply Chain Engineering (3)
- IND 4830 - Process Simulation (3)
- IND 4840 - Advanced Simulation (3)
- IND 4901 - Industrial Engineering Senior Design Capstone I (3)
- IND 4902 - Industrial Engineering Senior Design Capstone II (3)
- IND 4980 - Topics in Industrial Engineering (3)
- IND 4999 - Industrial Engineering Independent Study (3)
- MEC 1602 - Introduction to Solid Modeling and Design (3)
- MEC 1900 - Introduction to Mechanical Engineering (1)
- MEC 1910 - Computer Applications in Engineering (3)
- MEC 2010 - Engineering Mechanics I: Statics (3)
- MEC 2020 - Engineering Mechanics II: Dynamics (3)
- MEC 2030 - Mechanics of Materials (4)
- MEC 2110 - Thermodynamics I (3)
- MEC 2501 - Statics and Mechanics of Materials (4)
- MEC 3040 - Computer-Aided Design of Machines (3)
- MEC 3060 - Design of Machine Components (3)
- MEC 3120 - Fluid Mechanics (3)
- MEC 3130 - Heat Transfer (3)
- MEC 3140 - Thermodynamics II (3)
- MEC 3210 - Material Science (3)
- MEC 3220 - Materials and Manufacturing Processes (4)
- MEC 3310 - Instrumentation and Measurements (3)
- MEC 3320 - Dynamic Systems (3)

- MEC 3991 - Co-op Experience I (0)
- MEC 3992 - Co-op Experience II (0)
- MEC 4060 - Finite Element Analysis (3)
- MEC 4160 - Computational Fluid Dynamics (3)
- MEC 4270 - Fatigue and Fracture in Mechanical Design (3)
- MEC 4310 - Automatic Control Systems (3)
- MEC 4350 - Mechanical System Simulation (3)
- MEC 4470 - Introduction to Robotics (3)
- MEC 4670 - Experimental Stress Analysis (3)
- MEC 4671 - Vibration Control (3)
- MEC 4672 - Applications in Finite Element Modeling (3)
- MEC 4673 - Advanced Machine Design (3)
- MEC 4674 - Medical Applications in Mechanical Engineering (3)
- MEC 4675 - Vehicle Dynamics (3)
- MEC 4676 - Composite Materials (3)
- MEC 4677 - Applied Numerical Methods (3)
- MEC 4678 - Data and Mechanical Engineering (3)
- MEC 4770 - Fluid Power Systems (3)
- MEC 4810 - Thermo-Fluid Systems Lab (3)
- MEC 4870 - HVAC Systems Design (3)
- MEC 4871 - Aerodynamics (3)
- MEC 4872 - Compressible Flow (3)
- MEC 4873 - Gas Turbines and Aircraft Engines (3)
- MEC 4874 - Renewable and Sustainable Energy Systems (3)
- MEC 4875 - Internal Combustion Engines (3)
- MEC 4901 - Mechanical Engineering Capstone Design I (3)
- MEC 4902 - Mechanical Engineering Capstone Design II (3)
- MEC 4950 - THL Bachelor’s Thesis (3)
- MEC 4980 - Topics in Mechanical Engineering (3)
- MEC 4991 - Co-op Experience III (0)
- MEC 4992 - Co-op Experience IV (0)
- MEC 4999 - Mechanical Engineering Independent Study (3)
- MEC 5601 - MicroElectroMechanical System Fundamentals (3)
- NUR 1000 - Introduction to Professional Nursing Practice (3)
- NUR 2000 - Nutrition in Health and Illness Across the Life Span (2)
- NUR 2001 - Pathophysiology and Pharmacology I (5)
- NUR 2002 - Pathophysiology and Pharmacology II (4)
- NUR 2003 - Pathophysiology (5)
- NUR 2004 - Pharmacology (4)
- NUR 2010 - Health Assessment (4)
- NUR 2015 - Health Assessment and Foundations of Safe, Person-Centered Nursing Care (5)
- NUR 2020 - Foundations of Safe, Person-Centered Nursing Care (6)

- NUR 2500 - Global Health Care and International Health Care Systems (3)
- NUR 3000 - Transcultural and Family Dynamics in Healthcare (3)
- NUR 3001 - Transcultural Dynamics in Healthcare (2)
- NUR 3005 - Nursing Care of Older Adults (3)
- NUR 3006 - Gerontological Management of Care (3)
- NUR 3010 - Episodic Health Challenges (7)
- NUR 3011 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning I (1)
- NUR 3015 - Episodic and Restorative Health Care (7)
- NUR 3016 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning (2)
- NUR 3020 - Chronic Health Challenges (5)
- NUR 3021 - Acquisition of Psychomotor Skills and Integration of Clinical Reasoning II (1)
- NUR 3030 - Population Health (5)
- NUR 3100 - Principles of Electrocardiograph (ECG) Interpretation and Monitoring (2)
- NUR 3320 - Complementary and Integrative Health Therapies (2)
- NUR 3950 - Interprofessional Education (IPE) (0)
- NUR 4001 - Preparing for NCLEX Licensure Success (2)
- NUR 4010 - Supportive Care for End-of-Life, Mental Health, and Trauma-Informed Care (5)
- NUR 4015 - Chronic Health Challenges (7)
- NUR 4020 - Complex High Acuity Health Challenges (5)
- NUR 4030 - Practice Synthesis: Preceptorship and Simulations (4)
- NUR 4901 - Nursing Research and Evidence-Based Practice (3)
- NUR 4902 - Nurses as Leaders in Advancing Health Care (3)
- NUR 4903 - Nursing Research and Evidence-Based Practice (Part I) (2)
- NUR 4904 - Nursing Research and Evidence-Based Practice (Part II) (1)
- NUR 4980 - Topics in Nursing (3)
- NUR 4990 - Instructional Review (3)
- NUR 4999 - Nursing Independent Study (3)
- HON 2011 - Honors Practicum (2)
- HON 2051 - Honors Seminar I (3)
- HON 2052 - Honors Seminar II (3)
- HON 2060 - Honors Travel Experience (0)
- HON 2980 - Honors Special Topics (3)
- HON 2999 - Honors Independent Study (3)
- HON 3060 - Honors Research/Entrepreneur Experience (0)
- HON 3980 - Honors Special Topics (3)
- HON 4060 - Honors Senior Reflection (0)
- HON 4999 - Honors Independent Study (3)
- UGR 4970 - Undergraduate Research Experience (3)
- UGR 4971 - Undergraduate Research Thesis I (3)
- UGR 4972 - Undergraduate Research Thesis II (3)
- IDS 2020 - Career Development (0)
- IDS 3901 - Interdisciplinary Design (3)

- PLC HU - Placeholder for HU Course (3)
- PLC SS - Placeholder for SS Course (3)
- PLC PROG - Placeholder for Program Course (3)
- PLC MS - Placeholder for Math/Science Course (3)
- MTH 2980T - Mathematics Topic: Quarter Calculus III (3)
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV (5)
- MTH 2130 - Calculus III (4)
- MTH 2140 - Differential Equations (3)
- MTH 2340 - Linear Algebra with Applications (3)
- MTH 2480 - Probability and Statistics (3)
- MTH 2680 - Introduction to Probability (3)
- MTH 3340 - Abstract Algebra with Applications (3)
- MTH 3410 - Applied Regression Analysis (3)
- MTH 4130 - Complex Analysis (3)
- MTH 4150 - Partial Differential Equations (3)
- BIO 2320 - Cellular Microbiology (3)
- BIO 2510 - Human Physiology I (3)
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo (1)
- CHM 3850 - Food Chemistry (3)
- SCI 3750 - Nanoscience and Nanotechnology (3)
- BIO 1110 - Cell Biology and Genetics (4)
- BIO 1410 - Human Anatomy & Physiology I (5)
- BIO 1420 - Human Anatomy & Physiology II (5)
- BIO 2310 - Clinical Microbiology (4)
- BIO 2520 - Human Physiology II (4)
- CHM 1010 - Chemistry I (4)
- CHM 1010A - Chemistry I (4)
- CHM 1020 - Chemistry II (4)
- CHM 1310 - Chemistry of Food Molecules (4)
- CHM 2310 - Biochemistry (4)
- CHM 3510 - Advanced Analytical Chemistry (3)
- PHY 1110 - Physics I - Mechanics and Thermodynamics (4)
- PHY 1110A - Physics I - Mechanics and Thermodynamics (4)
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics (4)
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices (4)
- BUS 2001 - Personal and Professional Development (1)
- BUS 2010 - Business Analysis and Data Storytelling (3)
- BUS 2100 - Organizational Management (3)
- BUS 2221 - Microeconomics (3)
- BUS 2222 - Macroeconomics (3)
- BUS 2225 - Health Care Economics (3)
- BUS 2330 - Business Law (3)

- BUS 2411 - Building Inclusive Teams (3)
- BUS 2445 - Global Business (3)
- BUS 2450 - Business Operations (3)
- BUS 2510 - Principles of Financial Accounting (3)
- BUS 2530 - Introduction to Finance (3)
- BUS 2660 - Marketing (3)
- BUS 2900 - Character in the Business Professions (3)
- BUS 3010 - Business Analytics (3)
- BUS 3200 - Principles of Economics and Financial Decision-Making (3)
- BUS 3400 - Project Management (3)
- BUS 3420 - Innovation and Entrepreneurship (3)
- BUS 3445 - Leadership Communication (3)
- BUS 3560 - Managerial Cost Accounting (3)
- BUS 3580 - Intermediate Accounting I (3)
- BUS 3585 - Intermediate Accounting II (3)
- BUS 3593 - Intermediate Finance and Portfolio Theory (3)
- BUS 3600 - Advanced Financial Analysis (3)
- BUS 3650 - Branding and Brand Management (3)
- BUS 3670 - Marketing Research (3)
- BUS 3800 - Continuous Improvement (3)
- BUS 3805 - Lean-Six Sigma Techniques (3)
- BUS 3820 - Planning, Scheduling, and Control (3)
- BUS 3890 - Supply Chain Management (3)
- BUS 4310 - Legal Aspects of Innovation and Entrepreneurship (3)
- BUS 4320 - Business Startups for Entrepreneurs (3)
- BUS 4340 - Cultivating Your Entrepreneurial Mindset (3)
- BUS 4490 - Human Resources (3)
- BUS 4500 - Management Control Systems and Advanced Managerial Accounting (3)
- BUS 4510 - Tax Planning and Research (3)
- BUS 4530 - Personal Financial Planning (3)
- BUS 4550 - Auditing and Advanced Accounting (3)
- BUS 4560 - Accounting Ethics (3)
- BUS 4570 - Accounting Information Systems (3)
- BUS 4575 - Accounting Analytics and Artificial Intelligence (3)
- BUS 4620 - Technical Selling (3)
- BUS 4630 - Sales Process and Pipeline (3)
- BUS 4640 - Sales Networking and Prospecting (3)
- BUS 4660 - Digital Marketing (3)
- BUS 4680 - Advertising and Promotion Strategies (3)
- BUS 4690 - Consumer Behavior (3)
- BUS 4820 - Enterprise Resource Planning (3)
- BUS 4900 - Forecasting and Strategy (3)

- BUS 5500 - Statistics and Data Analytics (3)
- BUS 5700 - Marketing (3)
- BUS 5800 - Innovation and Entrepreneurship (3)
- BUS 5950 - New Product Management (3)
- AHT 2001 - Western Art History (3)
- AHT 2002 - German Art History (3)
- AHT 2980 - Topics in Art History (3)
- AHT 2999 - Art History Independent Study (3)
- AHT 3980 - Topics in Art History (3)
- AHT 3999 - Art History Independent Study (3)
- AHT 4980 - Topics in Art History (3)
- AHT 4999 - Art History Independent Study (3)
- FNA 2002 - Drama and The Theater (3)
- FNA 2980 - Topics in Fine Arts (3)
- FNA 2999 - Fine Arts Independent Study (3)
- FNA 3001 - Creative Writing (3)
- FNA 3980 - Topics in Fine Arts (3)
- FNA 3999 - Fine Arts Independent Study (3)
- FNA 4010 - Film and Media Studies (3)
- FNA 4980 - Topics in Fine Arts (3)
- FNA 4999 - Fine Arts Independent Study (3)
- GER 1001 - Elementary German (3)
- GER 2001 - Intermediate German (3)
- GER 2999 - German Independent Study (3)
- GER 3001 - Advanced German (3)
- GER 3980 - Topics in the German-Speaking World (3)
- GER 3999 - German Independent Study (3)
- GER 4980 - Topics in the German-Speaking World (3)
- GER 4999 - German Independent Study (3)
- HST 1013 - United States History I (3)
- HST 1014 - United States History II (3)
- HST 1015 - Latin American History I (3)
- HST 1016 - Latin American History II (3)
- HST 2011 - American Revolution (3)
- HST 2012 - Civil War and Reconstruction (3)
- HST 2014 - History of US World’s Fairs (3)
- HST 2015 - Topics in Twentieth Century American History (3)
- HST 2021 - Topics in Modern European History (3)
- HST 2022 - German History (3)
- HST 2031 - World War II (3)
- HST 2041 - Cuban History (3)
- HST 2053 - Music History (3)

- HST 2980 - Topics in History (3)
- HST 2999 - History Independent Study (3)
- HST 3980 - Topics in History (3)
- HST 3999 - History Independent Study (3)
- HST 4980 - Topics in History (3)
- HST 4999 - History Independent Study (3)
- LIT 1010 - American Literature I (3)
- LIT 1020 - American Literature II (3)
- LIT 2001 - Science Fiction (3)
- LIT 2010 - Literary Genres (3)
- LIT 2020 - Contemporary Literature (3)
- LIT 2980 - Topics in Literature (3)
- LIT 2999 - Literature Independent Study (3)
- LIT 3001 - Topics in Global Literature (3)
- LIT 3980 - Topics in Literature (3)
- LIT 3999 - Literature Independent Study (3)
- LIT 4980 - Topics in Literature (3)
- LIT 4999 - Literature Independent Study (3)
- PHL 2980 - Topics in Philosophy (3)
- PHL 2999 - Philosophy Independent Study (3)
- PHL 3101 - Ethics for Professional Managers and Engineers (3)
- PHL 3102 - Ethics of Digital Technologies and Artificial Intelligence (3)
- PHL 3103 - Bioethics (3)
- PHL 3104 - Eastern Philosophy (3)
- PHL 3201 - Introduction to Philosophy (3)
- PHL 3202 - Introduction to Logic (3)
- PHL 3203 - Epistemology (3)
- PHL 3204 - Metaphysics (3)
- PHL 3205 - Minds, Brains, and Computers (3)
- PHL 3206 - Social and Political Philosophy (3)
- PHL 3207 - Philosophy of Science (3)
- PHL 3208 - Philosophy of Art (3)
- PHL 3980 - Topics in Philosophy (3)
- PHL 3999 - Philosophy Independent Study (3)
- PHL 4980 - Topics in Philosophy (3)
- PHL 4999 - Philosophy Independent Study (3)
- SPN 1001 - Elementary Spanish (3)
- SPN 2001 - Intermediate Spanish (3)
- SPN 2999 - Spanish Independent Study (3)
- SPN 3001 - Advanced Spanish (3)
- SPN 3980 - Topics in the Spanish-Speaking World (3)
- SPN 3999 - Spanish Independent Study (3)

- SPN 4980 - Topics in the Spanish-Speaking World (3)
- SPN 4999 - Spanish Independent Study (3)
- ANT 1001 - Cultural Anthropology (3)
- ANT 2010 - Culture and Health in Central America (3)
- ANT 2012 - Urban Agriculture: Past, Present, Future (3)
- ANT 2020 - Native American Culture (3)
- ANT 2980 - Topics in Anthropology (3)
- ANT 2999 - Anthropology Independent Study (3)
- ANT 3980 - Topics in Anthropology (3)
- ANT 3999 - Anthropology Independent Study (3)
- ANT 4980 - Topics in Anthropology (3)
- ANT 4999 - Anthropology Independent Study (3)
- PSC 2010 - Foundations of Political Science (3)
- PSC 2011 - American Government (3)
- PSC 2015 - International Relations (3)
- PSC 2016 - Urban Studies (3)
- PSC 2980 - Topics in Political Science (3)
- PSC 2999 - Political Science Independent Study (3)
- PSC 3980 - Topics in Political Science (3)
- PSC 3999 - Political Science Independent Study (3)
- PSC 4980 - Topics in Political Science (3)
- PSC 4999 - Political Science Independent Study (3)
- PSY 1001 - Foundations of Psychology (3)
- PSY 2002 - Psychology of Design (3)
- PSY 2003 - Organizational Psychology (3)
- PSY 2005 - The Family: Psychological and Social Perspectives (3)
- PSY 2006 - Death, Dying, and Grief (3)
- PSY 2007 - Addictive and Compulsive Behavior (3)
- PSY 2010 - Understanding Human Language (3)
- PSY 2980 - Topics in Psychology (3)
- PSY 2999 - Psychology Independent Study (3)
- PSY 3001 - Cognitive Psychology (3)
- PSY 3002 - Psychological Disorders and Mental Health (3)
- PSY 3003 - Developmental Psychology (3)
- PSY 3004 - Social Psychology (3)
- PSY 3980 - Topics in Psychology (3)
- PSY 3999 - Psychology Independent Study (3)
- PSY 4980 - Topics in Psychology (3)
- PSY 4999 - Psychology Independent Study (3)
- SOC 1001 - Foundations of Sociology (3)
- SOC 2980 - Topics in Sociology (3)
- SOC 2999 - Sociology Independent Study (3)

- SOC 3001 - Cybercrime: Human Perspectives (3)
- SOC 3980 - Topics in Sociology (3)
- SOC 3999 - Sociology Independent Study (3)
- SOC 4001 - Digital Society (3)
- SOC 4980 - Topics in Sociology (3)
- SOC 4999 - Sociology Independent Study (3)
- CSC 2210 - Procedural and Object-Oriented C++ (4)
- CSC 2611 - AI Tools (3)
- CSC 2621 - Introduction to Data Science (3)
- CSC 2661 - Python for AI (1)
- CSC 2663 - Machine Learning Techniques (1)
- SWE 2410 - Design and Cloud Patterns (3)
- SWE 2511 - Web Applications (3)
- SWE 2710 - Software Tools and Process (4)
- SWE 2721 - Introduction to Software Verification (3)
- CSC 3210 - Operating Systems (3)
- CSC 3310 - Algorithms and Advanced Data Structures (3)
- CSC 3320 - Databases (3)
- CSC 3511 - Security and Networking (3)
- CSC 4201 - Microservices and Cloud Computing (3)
- CSC 4241 - GPU Programming (3)
- CSC 4243 - Compiler Construction (3)
- CSC 4341 - Competitive Programming (3)
- CSC 4601 - Theory of Machine Learning (3)
- CSC 4611 - Introduction to Deep Learning (3)
- CSC 4631 - Artificial Intelligence (3)
- CSC 4641 - Natural Language Processing (3)
- CSC 4651 - Deep Learning in Signal Processing (3)
- CSC 4801 - Data Science Practicum (3)
- CSC 4911 - Mobile Application Development (3)
- CSC 4941 - Robotics (3)
- CSC 4980 - Topics in Computer Science (3)
- CSC 4981 - Topics in Computer Science with Lab (3)
- CSC 4999 - Computer Science Independent Study (3)
- CSC 5201 - Microservices and Cloud Computing (4)
- CSC 5241 - GPU Programming (4)
- CSC 5601 - Theory of Machine Learning (4)
- CSC 5610 - AI Tools and Paradigms (4)
- CSC 5611 - Deep Learning (4)
- CSC 5651 - Deep Learning in Signal Processing (4)
- CSC 5661 - Reinforcement Learning (4)
- CSC 5980 - Topics in Computer Science (3)

- CSC 5981 - Topics in Computer Science with Lab (3)
- SWE 3411 - Software Requirements and Architecture (4)
- SWE 3710 - Software Development Laboratory I (3)
- SWE 3720 - Software Development Laboratory II (3)
- SWE 4211 - Real-time Systems (3)
- SWE 4411 - Game Development (3)
- SWE 4511 - DevSecOps (4)
- SWE 4540 - Network Security Tools and Practices (3)
- SWE 4980 - Topics in Software Engineering (3)
- SWE 4981 - Topics in Software Engineering with Lab (3)
- SWE 4999 - Software Engineering Independent Study (3)

ELC LabS - Lab Sciences Elective

- BIO 1110 - Cell Biology and Genetics (4)
- BIO 1410 - Human Anatomy & Physiology I (5)
- BIO 1420 - Human Anatomy & Physiology II (5)
- BIO 2310 - Clinical Microbiology (4)
- BIO 2520 - Human Physiology II (4)
- CHM 1010 - Chemistry I (4)
- CHM 1010A - Chemistry I (4)
- CHM 1020 - Chemistry II (4)
- CHM 1310 - Chemistry of Food Molecules (4)
- CHM 2310 - Biochemistry (4)
- CHM 3510 - Advanced Analytical Chemistry (3)
- PHY 1110 - Physics I - Mechanics and Thermodynamics (4)
- PHY 1110A - Physics I - Mechanics and Thermodynamics (4)
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics (4)
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices (4)

ELC MS - Math/Science Elective

- MTH 2980T - Mathematics Topic: Quarter Calculus III (3)
- MTH 2980U - Mathematics Topic: Quarter Calculus III and IV (5)
- MTH 2130 - Calculus III (4)
- MTH 2140 - Differential Equations (3)
- MTH 2340 - Linear Algebra with Applications (3)
- MTH 2480 - Probability and Statistics (3)
- MTH 2680 - Introduction to Probability (3)
- MTH 3340 - Abstract Algebra with Applications (3)
- MTH 3410 - Applied Regression Analysis (3)
- MTH 4130 - Complex Analysis (3)
- MTH 4150 - Partial Differential Equations (3)

- BIO 2320 - Cellular Microbiology (3)
- BIO 2510 - Human Physiology I (3)
- PHY 1980T - Physics Topic: Waves, Relativity, Thermo (1)
- CHM 3850 - Food Chemistry (3)
- SCI 3750 - Nanoscience and Nanotechnology (3)
- BIO 1110 - Cell Biology and Genetics (4)
- BIO 1410 - Human Anatomy & Physiology I (5)
- BIO 1420 - Human Anatomy & Physiology II (5)
- BIO 2310 - Clinical Microbiology (4)
- BIO 2520 - Human Physiology II (4)
- CHM 1010 - Chemistry I (4)
- CHM 1010A - Chemistry I (4)
- CHM 1020 - Chemistry II (4)
- CHM 1310 - Chemistry of Food Molecules (4)
- CHM 2310 - Biochemistry (4)
- CHM 3510 - Advanced Analytical Chemistry (3)
- PHY 1110 - Physics I - Mechanics and Thermodynamics (4)
- PHY 1110A - Physics I - Mechanics and Thermodynamics (4)
- PHY 1120 - Physics II - Electricity, Magnetism, and Optics (4)
- PHY 3700 - Physics of Electronic Materials and Semiconductor Devices (4)

ELC PLT - Program Elective (Lower Technical)

- BME 2310 - Embedded Systems for Biomedical Engineers (3)
- BME 2961 - Introduction to Human Body Systems for Radiological Applications (1)
- BME 2963 - Fundamentals of Medical Imaging and Imaging AI (1)
- CPE 2600 - Systems Programming (4)
- CPE 2610 - Embedded Systems (4)
- CSC 2210 - Procedural and Object-Oriented C++ (4)
- CSC 2611 - AI Tools (3)
- CSC 2621 - Introduction to Data Science (3)
- CSC 2661 - Python for AI (1)
- CSC 2663 - Machine Learning Techniques (1)
- ELE 2001 - Electric Circuits I: Theory and Applications (4)
- ELE 2011 - Electric Circuits II: Theory and Applications (4)
- ELE 2051 - Circuit Theory for Mechanical Engineering (3)
- ELE 2610 - Embedded Systems (4)
- ELE 2801 - Bridge Digital Design and Procedural Programming (4)
- SWE 2410 - Design and Cloud Patterns (3)
- SWE 2511 - Web Applications (3)
- SWE 2710 - Software Tools and Process (4)
- SWE 2721 - Introduction to Software Verification (3)

- BME 3010 - Medical Device Regulation and Standards (3)
- BME 3210 - Medical Imaging Systems (3)
- BME 3310 - Sensors, Actuators, and Interfaces (3)
- BME 3410 - Biomechanics (4)
- BME 3510 - Biotransport Phenomena (4)
- BME 3610 - Biomaterials (3)
- BME 3710 - Biomedical Instrumentation I (3)
- BME 3980T - Biomedical Topic: Integrated BME Lab (2)
- BME 4110 - Control Systems for Biomedical Applications (4)
- BME 4410 - Advanced Biomechanics (3)
- BME 4710 - Biomedical Instrumentation II (3)
- BME 4801 - Clinical Engineering Internship (3)
- BME 4802 - Biomedical Engineering Research Internship (3)
- BME 4910 - Lasers: Medical Applications (3)
- BME 4980 - Topics in Biomedical Engineering (3)
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards (2)
- BME 4981 - Topics in Biomedical Engineering with Lab (3)
- BME 4999 - Biomedical Engineering Independent Study (3)
- CPE 3300 - Computer Networking (4)
- CPE 3600 - Advanced Embedded Systems (4)
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture (3)
- CPE 4520 - Memory System and I/O System Architecture (3)
- CPE 4610 - Embedded Systems Fabrication (3)
- CPE 4800 - Information Security (4)
- CPE 4980 - Topics in Computer Engineering (3)
- CPE 4981 - Topics in Computer Engineering with Lab (3)
- CPE 4999 - Computer Engineering Independent Study (3)
- CSC 3210 - Operating Systems (3)
- CSC 3310 - Algorithms and Advanced Data Structures (3)
- CSC 3320 - Databases (3)
- CSC 3511 - Security and Networking (3)
- CSC 4201 - Microservices and Cloud Computing (3)
- CSC 4241 - GPU Programming (3)
- CSC 4243 - Compiler Construction (3)
- CSC 4341 - Competitive Programming (3)
- CSC 4601 - Theory of Machine Learning (3)
- CSC 4611 - Introduction to Deep Learning (3)
- CSC 4631 - Artificial Intelligence (3)
- CSC 4641 - Natural Language Processing (3)
- CSC 4651 - Deep Learning in Signal Processing (3)
- CSC 4801 - Data Science Practicum (3)
- CSC 4911 - Mobile Application Development (3)

- CSC 4941 - Robotics (3)
- CSC 4980 - Topics in Computer Science (3)
- CSC 4981 - Topics in Computer Science with Lab (3)
- CSC 4999 - Computer Science Independent Study (3)
- CSC 5201 - Microservices and Cloud Computing (4)
- CSC 5241 - GPU Programming (4)
- CSC 5601 - Theory of Machine Learning (4)
- CSC 5610 - AI Tools and Paradigms (4)
- CSC 5611 - Deep Learning (4)
- CSC 5651 - Deep Learning in Signal Processing (4)
- CSC 5661 - Reinforcement Learning (4)
- CSC 5980 - Topics in Computer Science (3)
- CSC 5981 - Topics in Computer Science with Lab (3)
- ELE 3101 - Electronics I (4)
- ELE 3111 - Electronics II (3)
- ELE 3141 - Transfer Electronics (3)
- ELE 3151 - Bridge Electronics II (4)
- ELE 3201 - Electromagnetics and Transmission Lines (4)
- ELE 3300 - Signals and Systems (3)
- ELE 3310 - Introduction to Probability and Random Processes (3)
- ELE 3320 - Digital Signal Processing (3)
- ELE 3401 - Electric Power and Machines (4)
- ELE 3510 - Digital Systems (4)
- ELE 3701 - Control Systems (4)
- ELE 4142 - Modern Electronic Systems (3)
- ELE 4240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 4300 - Principles of Communications (3)
- ELE 4320 - Applications of DSP (3)
- ELE 4403 - Specialty Electric Machines (3)
- ELE 4440 - Power Electronics (3)
- ELE 4447 - Power System Models and Analysis (3)
- ELE 4451 - Grid Stability (3)
- ELE 4480 - Electrical Power Systems Quality (3)
- ELE 4610 - Advanced Programming for EEs (3)
- ELE 4630 - Advanced Embedded Systems (3)
- ELE 4701 - Control Systems Applications (3)
- ELE 4940 - THL Bachelor Thesis (3)
- ELE 4980T - EE Topic: Quarter Analog Electronics II (3)
- ELE 4980 - Topics in Electrical Engineering (3)
- ELE 4981 - Topics in Electrical Engineering with Laboratory (3)
- ELE 4999 - Electrical Engineering Independent Study (3)
- ELE 5142 - Modern Electronic Systems (3)

- ELE 5240 - Advanced Electromagnetics and Antenna Theory (3)
- ELE 5320 - Applications of DSP (3)
- ELE 5440 - Power Electronics (3)
- ELE 5403 - Specialty Electric Machines (3)
- ELE 5447 - Power System Models and Analysis (3)
- ELE 5451 - Grid Stability (3)
- ELE 5480 - Electrical Power Systems Quality (3)
- ELE 5610 - Advanced Programming for EEs (3)
- ELE 5630 - Advanced Embedded Systems (3)
- ELE 5980 - Topics in Electrical Engineering (3)
- ELE 5981 - Topics in Electrical Engineering with Laboratory (3)
- SWE 3411 - Software Requirements and Architecture (4)
- SWE 3710 - Software Development Laboratory I (3)
- SWE 3720 - Software Development Laboratory II (3)
- SWE 4211 - Real-time Systems (3)
- SWE 4411 - Game Development (3)
- SWE 4511 - DevSecOps (4)
- SWE 4540 - Network Security Tools and Practices (3)
- SWE 4980 - Topics in Software Engineering (3)
- SWE 4981 - Topics in Software Engineering with Lab (3)
- SWE 4999 - Software Engineering Independent Study (3)
- UXD 3030 - Data Visualization (3)

ELC PUT - Program Elective (Upper Technical)

- BME 3010 - Medical Device Regulation and Standards (3)
- BME 3210 - Medical Imaging Systems (3)
- BME 3310 - Sensors, Actuators, and Interfaces (3)
- BME 3410 - Biomechanics (4)
- BME 3510 - Biotransport Phenomena (4)
- BME 3610 - Biomaterials (3)
- BME 3710 - Biomedical Instrumentation I (3)
- BME 3980T - Biomedical Topic: Integrated BME Lab (2)
- BME 4110 - Control Systems for Biomedical Applications (4)
- BME 4410 - Advanced Biomechanics (3)
- BME 4710 - Biomedical Instrumentation II (3)
- BME 4801 - Clinical Engineering Internship (3)
- BME 4802 - Biomedical Engineering Research Internship (3)
- BME 4910 - Lasers: Medical Applications (3)
- BME 4980 - Topics in Biomedical Engineering (3)
- BME 4980T - Biomedical Topic: Medical Device Regulations and Standards (2)
- BME 4981 - Topics in Biomedical Engineering with Lab (3)

- BME 4999 - Biomedical Engineering Independent Study (3)
- CPE 3300 - Computer Networking (4)
- CPE 3600 - Advanced Embedded Systems (4)
- CPE 4510 - Superscalar, Multicore, and Multiprocessor Architecture (3)
- CPE 4520 - Memory System and I/O System Architecture (3)
- CPE 4610 - Embedded Systems Fabrication (3)
- CPE 4800 - Information Security (4)
- CPE 4980 - Topics in Computer Engineering (3)
- CPE 4981 - Topics in Computer Engineering with Lab (3)
- CPE 4999 - Computer Engineering Independent Study (3)
- CSC 3210 - Operating Systems (3)
- CSC 3310 - Algorithms and Advanced Data Structures (3)
- CSC 3320 - Databases (3)
- CSC 3511 - Security and Networking (3)
- CSC 4201 - Microservices and Cloud Computing (3)
- CSC 4241 - GPU Programming (3)
- CSC 4243 - Compiler Construction (3)
- CSC 4341 - Competitive Programming (3)
- CSC 4601 - Theory of Machine Learning (3)
- CSC 4611 - Introduction to Deep Learning (3)
- CSC 4631 - Artificial Intelligence (3)
- CSC 4641 - Natural Language Processing (3)
- CSC 4651 - Deep Learning in Signal Processing (3)
- CSC 4801 - Data Science Practicum (3)
- CSC 4911 - Mobile Application Development (3)
- CSC 4941 - Robotics (3)
- CSC 4980 - Topics in Computer Science (3)
- CSC 4981 - Topics in Computer Science with Lab (3)
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- CSC 5610 - AI Tools and Paradigms (4)
- CSC 5611 - Deep Learning (4)
- CSC 5651 - Deep Learning in Signal Processing (4)
- CSC 5661 - Reinforcement Learning (4)
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- CSC 5981 - Topics in Computer Science with Lab (3)
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- ELE 3111 - Electronics II (3)
- ELE 3141 - Transfer Electronics (3)
- ELE 3151 - Bridge Electronics II (4)

- ELE 3201 - Electromagnetics and Transmission Lines (4)
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- ELE 3510 - Digital Systems (4)
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- SWE 3720 - Software Development Laboratory II (3)
- SWE 4211 - Real-time Systems (3)
- SWE 4411 - Game Development (3)
- SWE 4511 - DevSecOps (4)

- SWE 4540 - Network Security Tools and Practices (3)
- SWE 4980 - Topics in Software Engineering (3)
- SWE 4981 - Topics in Software Engineering with Lab (3)
- SWE 4999 - Software Engineering Independent Study (3)
- UXD 3030 - Data Visualization (3)