

SCHOOL OF ENGINEERING

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- [Engr 610: Data Communications Protocols](#)



- [Engr 611: Aeroacoustics](#)
- [Engr 612: Aeroelasticity](#)
- [Engr 613: Exp Method in Aerodynamics/Aeroacoustics](#)
- [Engr 614: Geometrics](#)
- [Engr 615: Analytical Petroleum Geology](#)
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- [Engr 643: Advanced Geomorphology](#)
- [Engr 644: Carbonate Petrology](#)
- [Engr 645: Contaminant Transport](#)
- [Engr 646: Advanced Stratigraphy](#)
- [Engr 647: Pavement Management Systems](#)
- [Engr 648: Numerical Modeling in Geoscience & Engr](#)
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- [Engr 652: Advanced Compiler Design](#)
- [Engr 653: Computer Structures](#)
- [Engr 654: Information Systems Principles](#)
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- [Engr 657: Timesharing Computer Systems](#)
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- [Engr 662: Advanced Artificial Intelligence](#)
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- [Engr 666: Fault Tolerant Computing](#)
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- [Engr 669: Chemical Reaction and Reactor Analysis I](#)
- [Engr 670: Chemical Reaction & Reactor Analysis II](#)
- [Engr 671: Elasticity](#)
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- [Engr 680: Advanced Acoustics](#)
- [Engr 683: Advanced Physical Metallurgy](#)
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- [Engr 685: Mechanics of Composite Materials II](#)
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- [Engr 687: Special Functions for Applications](#)
- [Engr 688: Current Issues in Telecommunications](#)
- [Engr 689: Control of Robotics Manipulators](#)
- [Engr 690: Finite Element Analysis II](#)
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- [Engr 715: Applied Hydro- and Aeromechanics I](#)
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- [Engs 685: Business Geographics](#)
- [Manf 152: Intro to Engineering & Manufacturing II](#)
- [Manf 255: Lean I: Standardized Work & Takt Time](#)
- [Manf 353: Accounting & Financial Mgmt for Manf](#)
- [Manf 355: Lean II: Continuous Flow/Layout](#)
- [Manf 396: Special Topics in Manufacturing](#)
- [Manf 397: Special Topics in Manufacturing](#)
- [Manf 452: Manf Design-Product Realization, II](#)
- [Manf 455: Lean III: Practical Problem Solving](#)
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- [Manf 465: Applications in Ops & Supply Chain Mgmt](#)
- [Manf 470: Principles of Lean Six Sigma](#)
- [Manf 496: Special Topics in Manufacturing](#)
- [Manf 497: Special Topics in Manufacturing](#)



CHEMICAL ENGINEERING

- [Ch E 101: Introduction to Chemical Engineering](#)
- [Ch E 103: Introduction to Chemical Engineering I](#)
- [Ch E 104: Introduction to Chemical Engineering II](#)
- [Ch E 251: Programming for Chemical Engineering](#)
- [Ch E 307: Chemical Process Principles I](#)
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- [Ch E 316: Chemical Engineering Fluid Mechanics](#)
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- [Ch E 318: Chem Engineering Heat and Mass Transfer](#)
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- [Ch E 412: Process Control and Safety](#)
- [Ch E 413: Chemical Process Safety](#)
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- [Ch E 421: Chemical Engineering Thermodynamics](#)
- [Ch E 423: Chemical Reactor Analysis and Design](#)
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- [Ch E 445: Chemical Engineering Lab I](#)
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- [Ch E 449: Process Design](#)
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- [Ch E 451: Plant Design I](#)
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- [Ch E 523: Molecular and Cellular Biophysics](#)
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CIVIL ENGINEERING

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- [C E 302: Mechanics Laboratory](#)
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- [C E 325: Dynamics](#)
- [C E 325: Intermediate Mechanics](#)
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- [C E 514: Design Pre-Stressed Concrete Structures](#)
- [C E 516: Bridge Engineering](#)
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- [C E 541: Flow in Open Channels](#)
- [C E 542: Flow in Porous Media](#)
- [C E 543: Sediment Transport](#)
- [C E 561: Civil Engineering Systems](#)
- [C E 570: Infrastructure Management](#)
- [C E 572: Stormwater Engineering and Management](#)
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- [C E 578: Agricultural Conservation for Eng & Sci](#)
- [C E 581: Transportation Engineering II](#)
- [C E 585: Highway Pavements](#)
- [C E 590: Airport Planning and Design](#)
- [Engr 541: Foundations of Nano Engineering and Sci](#)
- [Engr 547: Characterization Methods for Nanomaterials](#)

COMPUTER & INFORMATION SCIENCE

- [CIS 111: Computer Science I](#)
- [CIS 112: Computer Science II](#)
- [CIS 113: Honors Computer Science I](#)



- [CIS 211: Computer Science III](#)
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- [CIS 333: Digital Design and 3D Printing](#)
- [CIS 427: Network Security](#)
- [CIS 447: Immersive Media](#)
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- [Csci 256: Programming in Python](#)
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- [Csci 300: Social Responsibility in Comp. Science](#)
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- [Csci 323: Systems of Programming](#)
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- [Csci 354: Web Programming](#)
- [Csci 356: Data Structures in Python](#)
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- [Csci 458: Mobile Application Development](#)
- [Csci 475: Introduction to Database Systems](#)
- [Csci 487: Senior Project](#)
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- [Csci 492: Special Topics in Data Science](#)
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- [Csci 521: Computer Systems Engineering](#)
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- [Csci 525: Compiler Construction](#)
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ELECTRICAL ENGINEERING

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- [BME 350: Immunotherapy](#)
- [BME 444: Biomedical Controls](#)
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- [BME 462: Biomedical Engineering Senior Design II](#)
- [Cp E 421: Embedded Systems Design](#)
- [Cp E 431: Computer Architecture](#)
- [Cp E 432: Testing of Computing Systems](#)
- [Cp E 461: Senior Design in Computer Engineering I](#)
- [Cp E 462: Senior Design in Computer Engineering II](#)
- [ECE 361: Design and Design Tools in ECE](#)
- [EI E 100: Introduction to Electrical Engineering](#)
- [EI E 101: Survey of the Electrotechnology](#)
- [EI E 237: Electrical Engineering Tools and Toys](#)
- [EI E 301: Applied Electronics](#)
- [EI E 302: Applied Communication Systems](#)
- [EI E 322: Electric Circuit II](#)
- [EI E 331: Linear Systems](#)
- [EI E 333: Systems Laboratory](#)
- [EI E 335: Principles of Digital Systems](#)
- [EI E 336: Digital Systems Laboratory I](#)
- [EI E 337: Digital Systems Laboratory II](#)
- [EI E 340: Electrical Engineering Analysis I](#)
- [EI E 341: Theory of Fields](#)
- [EI E 351: Models and Circuits I](#)
- [EI E 352: Models and Circuits II](#)
- [EI E 353: Electronics Laboratory](#)
- [EI E 354: PC-Based Instrumentation Laboratory](#)
- [EI E 357: Electrical Engineering Problems I](#)
- [EI E 358: Electrical Engineering Problems II](#)
- [EI E 367: Computer-Aided Design in Electrical Engr](#)
- [EI E 385: Advanced Digital Systems](#)
- [EI E 386: Advanced Digital Systems Laboratory](#)
- [EI E 391: Random Signals](#)
- [EI E 431: Theory of Control Systems](#)



- [EI E 432: Robotics Laboratory](#)
- [EI E 433: High Frequency and Microwave Laboratory](#)
- [EI E 434: Fiber Optics Laboratory](#)
- [EI E 441: Electromagnetic Theory I](#)
- [EI E 442: Electromagnetic Theory II](#)
- [EI E 443: Network Analysis and Synthesis](#)
- [EI E 447: Modulation, Noise, and Communications](#)
- [EI E 449: Analog Communications Laboratory](#)
- [EI E 450: Digital Communications Laboratory](#)
- [EI E 451: Electrical Energy Conversion](#)
- [EI E 452: Electric Power Transformer Laboratory](#)
- [EI E 453: Solid State Devices](#)
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- [EI E 462: Sr. Design in Electrical Engineering II](#)
- [EI E 481: Fund. Low Power Dig. VLSI Design](#)
- [EI E 482: Digital CMOS VLSI Design](#)
- [EI E 485: Microprocessor Systems Engineering](#)
- [EI E 486: Microprocessor Systems Engr Lab](#)
- [EI E 487: Digital Signal Processing Laboratory](#)
- [EI E 521: Electrical Engineering Projects I](#)
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- [EI E 525: Introduction to Antennas](#)
- [EI E 533: Electronic Properties of Materials](#)
- [EI E 536: Introduction to Quantum Computing](#)
- [EI E 561: Microwave Circuit Design](#)

GEOLOGY & GEOLOGICAL ENGINEERING

- [G E 234: Intro. to Geol. Engr. Field Methods](#)
- [G E 301: Geological Eng. Design Field Camp 1](#)
- [G E 305: Geomechanics](#)
- [G E 401: Geological Eng. Design Field Camp 2](#)
- [G E 402: Professionalism in Geological Engr.](#)
- [G E 405: Engineering Geophysics](#)
- [G E 413: Prob. & Stat. Analyses in Eng. Design](#)
- [G E 415: Petroleum Geology](#)
- [G E 420: Subsurface Site Characterization](#)
- [G E 421: Geological Engineering Design](#)
- [G E 430: Geological Field Studies I](#)
- [G E 431: Geological Field Studies II](#)
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- [G E 440: Rock Mechanics](#)
- [G E 450: Hydrogeology](#)
- [G E 460: Fundamentals of Waste Management](#)
- [G E 470: Intro. to Geographic Information System](#)
- [G E 490: Directed Studies and Projects](#)
- [G E 500: Introduction to Geochemistry I](#)
- [G E 502: Construction Geological Engineering](#)
- [G E 503: Environmental Geochemistry](#)
- [G E 504: Envi. Geochemistry Lab & Field Methods](#)
- [G E 506: Geomechanics for Geologists](#)
- [G E 507: Regional Geological Engineering](#)
- [G E 510: Remote Sensing](#)
- [G E 511: Spatial Analysis](#)
- [G E 513: Economic Geology](#)
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- [G E 525: Engineering Seismology](#)
- [G E 530: Advanced Geomechanics](#)
- [G E 535: Advanced Rock Mechanics](#)



- [G E 555: Introduction to Mining Engineering](#)
- [G E 560: Waste Disposal I](#)
- [G E 561: Design of Waste Repositories](#)
- [G E 577: Geophysics I](#)
- [G E 591: Special Topics](#)
- [Geol 101: Physical Geology](#)
- [Geol 102: Historical Geology](#)
- [Geol 103: Earth Dynamics](#)
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- [Geol 107: Introduction to Oceanography](#)
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- [Geol 114: Environmental Geology Laboratory I](#)
- [Geol 115: Environmental Geology - Resources Lab](#)
- [Geol 120: Dinosaurs](#)
- [Geol 221: Mineralogy](#)
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- [Geol 505: Hydrogeology](#)
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