

School of Engineering

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- [Engr 605: Convective Heat and Mass Transfer](#)
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- [Engr 729: Special Topics in Electromagnetic Theory](#)
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- [Engr 779: Special Topics in Solid Mechanics](#)
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- [Engs 501: Geospatial Primer](#)
- [Engs 504: Remote Sensing Fundamentals](#)
- [Engs 523: Sensors and Platforms](#)
- [Engs 603: Analysis of Algorithms](#)
- [Engs 606: Computer Networks](#)
- [Engs 610: Telecommunication Network Engineering](#)
- [Engs 611: Geospatial Science Primer](#)
- [Engs 612: Remote Sensing Fundamentals](#)
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- [Engs 614: Remote Sensing and Digital Images](#)
- [Engs 620: Geospatial Information Technology](#)
- [Engs 621: Orbital Mechanics](#)



- [Engs 624: Introduction to Digital Image Processing](#)
- [Engs 626: Community Growth](#)
- [Engs 627: Applied Probability Modeling](#)
- [Engs 633: Microwave Filters](#)
- [Engs 671: Digital Topographic Mapping](#)
- [Engs 672: Remote Sensing and the Environment](#)
- [Engs 673: Advanced Digital Image Processing](#)
- [Engs 674: Geospatial Data Synthesis and Modeling](#)
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- [Ch E 317: Process Fluid Dynamics and Heat Transfer](#)
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- [Ch E 528: Polymer Processing](#)
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- [Engr 542: Molecular Modeling of Nano Materials](#)
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- [C E 302: Mechanics Laboratory](#)
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- [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](#)
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- [C E 590: Airport Planning and Design](#)
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- [Engr 547: Characterization MethodsforNanomaterials](#)

Computer & Information Science

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- [CIS 256: Programming in Python](#)
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- [CIS 356: Data Structures in Python](#)
- [CIS 427: Network Security](#)
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- [Csci 458: Mobile Application Development](#)
- [Csci 475: Introduction to Database Systems](#)
- [Csci 487: Senior Project](#)
- [Csci 490: Special Topics](#)
- [Csci 491: Special Topics in Computer Security](#)
- [Csci 492: Special Topics in Data Science](#)
- [Csci 500: Fundamental Concepts in Computing](#)
- [Csci 501: Fundamental Concepts in Systems](#)
- [Csci 502: Fundamental Concepts in Algorithms](#)
- [Csci 503: Fundamental Concepts in Languages](#)
- [Csci 517: Natural Language Processing](#)
- [Csci 520: Formal Theory of Computer Languages](#)
- [Csci 521: Computer Systems Engineering](#)
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- [Csci 525: Compiler Construction](#)
- [Csci 526: Parallel Computing](#)
- [Csci 530: Computer Architecture and Design](#)
- [Csci 531: Artificial Intelligence](#)
- [Csci 533: Analysis of Algorithms](#)



- [Csci 541: Expert Systems and Logic Programming](#)
- [Csci 543: Data Mining](#)
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- [Csci 551: Computer System Performance Analysis](#)
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- [Csci 658: Software Language Engineering](#)
- [Csci 663: Software Families](#)
- [Csci 665: Wireless and Sensor Networks](#)

Electrical Engineering

- [BME 200: Introduction to Biomedical Engineering](#)
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- [BME 322: Biomaterials](#)
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- [BME 444: Biomedical Controls](#)
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- [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](#)
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- [EI E 481: Fund. Low Power Dig. VLSI Design](#)
- [EI E 482: Digital CMOS VLSI Design](#)
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- [EI E 535: Digital Communications](#)
- [EI E 536: Introduction to Quantum Computing](#)
- [EI E 561: Microwave Circuit Design](#)
- [EI E 586: Digital Signal Processing](#)

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](#)
- [G E 436: Field Camp G E Design](#)
- [G E 437: Geological Engineering Design Field Camp](#)
- [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](#)
- [G E 520: Geol. & G.E. Computer Applications](#)
- [G E 525: Engineering Seismology](#)
- [G E 530: Advanced Geomechanics](#)
- [G E 540: 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](#)
- [G E 635: Advanced Rock Mechanics](#)
- [Geol 101: Physical Geology](#)
- [Geol 102: Historical Geology](#)
- [Geol 103: Earth Dynamics](#)
- [Geol 104: Environmental Geology - Hazards](#)
- [Geol 105: Environmental Geology - Resources](#)
- [Geol 106: Earth History](#)
- [Geol 107: Introduction to Oceanography](#)
- [Geol 111: Physical Geology Laboratory](#)
- [Geol 112: Historical Geology Laboratory](#)
- [Geol 114: Environmental Geology-Hazards Laboratory](#)
- [Geol 115: Environmental Geology - Resources Lab](#)
- [Geol 120: Dinosaurs](#)
- [Geol 203: Earth Dynamics Laboratory Content](#)
- [Geol 221: Mineralogy](#)
- [Geol 222: Elementary Petrology](#)
- [Geol 225: Mineralogy & Elementary Petrology](#)
- [Geol 303: Structural and Tectonic Geology](#)
- [Geol 305: Geomorphology](#)
- [Geol 309: Invertebrate Paleontology](#)
- [Geol 314: Sedimentology and Stratigraphy](#)
- [Geol 406: Petrology](#)
- [Geol 410: Coastal and Reef Dynamics](#)
- [Geol 420: Optical Mineralogy](#)
- [Geol 500: Intro. to Geographic Information Systems](#)
- [Geol 505: Hydrogeology](#)
- [Geol 506: Advanced Petrology](#)
- [Geol 515: Directed Studies](#)
- [Geol 517: Global Tectonics](#)
- [Geol 518: Quantitative Methods in Geo. & Geo Eng](#)
- [Geol 520: Advanced Igneous and Metamorphic Petrolo](#)
- [Geol 530: Geology Field Studies](#)
- [Geol 535: Geochemistry](#)
- [Geol 550: Oceanography and Marine Geology](#)
- [Geol 555: Geology and Geol. Engineering Seminar](#)
- [Geol 603: Earth Sciences I](#)
- [Geol 604: Earth Sciences II](#)
- [Geol 609: Earth Science Projects](#)
- [Geol 610: Earth Science Projects](#)
- [Geol 611: Advanced Studies in Geology](#)
- [Geol 613: Instrumental and Analytical Procedure](#)
- [Geol 614: Advanced Geographic Information Systems](#)
- [Geol 615: Geostatistics](#)
- [Geol 630: Coastal Plain Geology](#)
- [Geol 641: Clay Petrology](#)



- [Geol 642: X-Ray Diff Analysis Inorg Crys Materials](#)
- [Geol 643: Advanced Geomorphology](#)
- [Geol 644: Advanced Paleontology](#)
- [Geol 645: Advanced Sedimentation](#)
- [Geol 646: Advanced Stratigraphy](#)
- [Geol 647: Sedimentary Petrology](#)
- [Geol 648: Metamorphic Petrology](#)
- [Geol 649: Pedology](#)
- [Geol 690: Scientific Writing Seminar](#)
- [Geol 697: Thesis](#)

Mechanical Engineering

- [Engr 523: Engineering Thermal Management](#)
- [Engr 546: Micro/Nanoscale Fabrication](#)
- [Engr 554: Computational Heat Transfer](#)
- [M E 101: Introduction to Mechanical Engineering](#)
- [M E 201: Engineering Graphics Fundamentals](#)
- [M E 324: Introduction to Mechanical Design](#)
- [M E 325: Intermediate Dynamics](#)
- [M E 326: Machine Learning for Engineers](#)
- [M E 399: Thermodynamics II](#)
- [M E 401: Thermo-fluid Dynamics](#)
- [M E 402: Elements of Propulsion](#)
- [M E 404: Applied Fluid Mechanics](#)
- [M E 406: Alternative Energy Systems](#)
- [M E 416: Structures and Dynamics Laboratory](#)
- [M E 417: Projects](#)
- [M E 418: Projects](#)
- [M E 419: Energy and Fluids Laboratory](#)
- [M E 420: Experimental Mechanical Engineering II](#)
- [M E 421: Structural Analysis](#)
- [M E 422: Structural Design I](#)
- [M E 426: Kinematics: Analysis and Synthesis](#)
- [M E 427: Kinematic Analysis and Synthesis](#)
- [M E 428: Dynamics of Machinery](#)
- [M E 437: Mechanical Engineering Design I](#)
- [M E 438: Mechanical Engineering Design](#)
- [M E 521: Projects](#)
- [M E 522: Projects](#)
- [M E 523: Special Topics in Mechanical Engineering](#)
- [M E 524: Special Topics in Mechanical Engineering](#)
- [M E 525: Advanced Dynamics](#)
- [M E 526: Experimental Methods](#)
- [M E 527: Materials Processing](#)
- [M E 528: Polymer Processing](#)
- [M E 529: Aerodynamics](#)
- [M E 530: Physical Metallurgy](#)
- [M E 531: Mechanical Behavior of Engr Materials](#)
- [M E 532: Glass and Ceramics](#)
- [M E 533: Electronic Properties of Materials](#)
- [M E 534: Properties and Selection of Materials](#)
- [M E 535: Experimental Stress Analysis](#)
- [M E 537: Mechatronic Systems Engineering](#)
- [M E 538: Exprl Character of Polymer Composites](#)
- [M E 540: Failure Analysis](#)
- [M E 541: Theory and Use of CAD and Solid Modeling](#)
- [M E 543: Linear Systems and Controls](#)
- [M E 555: Heating Ventilation and Air-Conditioning](#)



Telecommunications

- [TC 201: Introduction to Telecommunications](#)
- [TC 210: Voice Telecommunications](#)
- [TC 220: Wireless Communications](#)
- [TC 330: Internship in Telecommunications](#)
- [TC 403: Telecommunications Networks](#)
- [TC 405: Telecommunications Management](#)
- [TC 409: Current Issues in Telecommunications](#)
- [TC 431: Satellite Telecommunications](#)
- [TC 433: Optical Fiber Telecommunications](#)
- [TC 491: Special Topics in Telecommunications](#)
- [TC 501: Foundations of Communications](#)
- [TC 529: Televisions Systems I](#)
- [TC 531: Advanced Satellite Communications](#)
- [TC 533: Advanced Optical Communications Systems](#)
- [TC 585: Multimedia Technologies I](#)

