



SCHOOL OF ENGINEERING

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- [Engr 396: Special Topics in Engineering Science](#)
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- [Engr 616: Isotope Hydrogeology](#)
- [Engr 617: Continuum Mechanics](#)
- [Engr 620: Advanced Remote Sensing](#)
- [Engr 622: Advanced Electromagnetic Theory](#)





- [Engr 624: Active Microwave Circuits](#)
- [Engr 625: Adv. Topics in Computational Mechanics](#)
- [Engr 626: Numerical Methods in Electromagnetics](#)
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- [Engr 629: Televisions Systems II](#)
- [Engr 630: Unit Process & Oper in Env Eng I](#)
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- [Engr 632: Sludge Treatment and Disposal](#)
- [Engr 633: Process Dynamics and Control I](#)
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- [Engr 665: Thermodynamics of Chemical Systems](#)
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- [Engr 667: Mass Transfer I](#)
- [Engr 669: Chemical Reaction and Reactor Analysis I](#)
- [Engr 670: Chemical Reaction & Reactor Analysis II](#)
- [Engr 671: Elasticity](#)
- [Engr 672: Viscoelasticity](#)
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- [Engr 679: Wave Propagation](#)
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- [Engr 683: Advanced Physical Metallurgy](#)
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- [Engr 686: Multimedia Technologies II](#)
- [Engr 687: Special Functions for Applications](#)
- [Engr 688: Current Issues in Telecommunications](#)





- [Engr 689: Control of Robotics Manipulators](#)
- [Engr 690: Finite Element Analysis II](#)
- [Engr 691: Special Topics in Engineering Science I](#)
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- [Engr 693: Research Topics in Engineering Science I](#)
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- [Engr 696: Seminar in Environmental Engineering](#)
- [Engr 697: Thesis](#)
- [Engr 699: Special Topics in Engineering Science](#)
- [Engr 702: Finite Element Analysis of Fluid Flows](#)
- [Engr 706: Adv Waste Treat Proc in Sanitary Eng](#)
- [Engr 711: Turbulence](#)
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- [Engr 713: Hydrodynamic Stability](#)
- [Engr 714: Coastal Hydrodynamics](#)
- [Engr 715: Applied Hydro- and Aeromechanics I](#)
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- [Engr 718: Coding for Error Code](#)
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- [Engr 728: Adv Numerical Methods in Electromagnetic](#)
- [Engr 729: Special Topics in Electromagnetic Theory](#)
- [Engr 749: Special Topics in Soil Science](#)
- [Engr 779: Special Topics in Solid Mechanics](#)
- [Engr 797: Dissertation](#)
- [Engs 501: Geospatial Primer](#)
- [Engs 504: Remote Sensing Fundamentals](#)
- [Engs 523: Sensors and Platforms](#)
- [Engs 603: Analysis of Algorithms](#)
- [Engs 606: Computer Networks](#)
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- [Engs 611: Geospatial Science Primer](#)
- [Engs 612: Remote Sensing Fundamentals](#)
- [Engs 613: Introduction to Remote Sensing Systems](#)
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- [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](#)
- [Engs 675: Microwave Data](#)
- [Engs 681: Advanced Sensor Systems Data Collection](#)
- [Engs 682: Remote Sensing to Ecological Modeling](#)
- [Engs 683: Land Use and Land Cover Applications](#)
- [Engs 684: Agricultural Applications Remote Sensing](#)
- [Engs 685: Business Geographics](#)
- [Manf 150: Intro to Engineering / Manufacturing](#)
- [Manf 250: Graphics/Solid Modeling](#)
- [Manf 251: Manufacturing Processes](#)





- [Manf 252: Product Realization Laboratory](#)
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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](#)
- [Ch E 308: Chemical Process Principles II](#)
- [Ch E 309: Intro to Chemical Engineering Design](#)
- [Ch E 313: Modeling and Simulation I](#)
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- [Ch E 317: Process Fluid Dynamics and Heat Transfer](#)
- [Ch E 330: Chemical Eng. R & D Experience](#)
- [Ch E 345: Engineering Economy](#)
- [Ch E 407: Chemical Engineering Projects I](#)
- [Ch E 408: Chemical Engineering Projects II](#)
- [Ch E 411: Chemical Engineering Seminar](#)
- [Ch E 412: Process Control and Safety](#)
- [Ch E 417: Separation Processes](#)
- [Ch E 421: Chemical Engineering Thermodynamics](#)
- [Ch E 423: Chemical Reactor Analysis and Design](#)
- [Ch E 445: Chemical Engineering Lab I](#)
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- [Ch E 451: Plant Design I](#)
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- [Ch E 511: Process Dynamics and Control](#)
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- [Ch E 530: Coal Utilization and Pollutants Control](#)
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- [Ch E 543: Introduction to Polymer Science](#)
- [Ch E 545: Colloid and Surface Science](#)
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- [Ch E 560: Advanced Transport Phenomena I](#)
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- [Engr 540: Environmental Organic Transport Phenomen](#)

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- [C E 208: Civil Engineering Graphics I](#)
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- [C E 325: Intermediate Dynamics](#)
- [C E 401: Civil Engineering Fundamentals](#)
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- [C E 531: Soil Mechanics II](#)
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- [C E 542: Flow in Porous Media](#)
- [C E 543: Sediment Transport](#)
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- [C E 581: Transportation Engineering II](#)
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- [C E 590: Airport Planning and Design](#)

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- [Csci 111: Computer Science I](#)
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- [Csci 192: Computing Applications](#)
- [Csci 193: Personal Computer Systems](#)
- [Csci 203: Introduction to Computational Media](#)
- [Csci 211: Computer Science III](#)
- [Csci 223: Computer Org. & Assembly Language](#)
- [Csci 251: Programming for Engineering and Sciences](#)
- [Csci 259: Programming in C++](#)
- [Csci 300: Social Responsibility in Comp. Science](#)
- [Csci 305: Software for Global Use](#)
- [Csci 311: Models of Computation](#)
- [Csci 323: Systems of Programming](#)
- [Csci 333: Digital Design and 3-D Printing](#)
- [Csci 343: Fundamentals of Data Science](#)
- [Csci 345: Information Storage and Retrieval](#)
- [Csci 353: Introduction to Numerical Methods](#)
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- [Csci 361: Introduction to Computer Networks](#)
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- [Csci 405: Computer Simulation](#)





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- [Csci 543: Data Mining](#)
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- [Csci 658: Software Language Engineering](#)
- [Csci 663: Software Families](#)
- [Csci 665: Wireless and Sensor Networks](#)

ELECTRICAL ENGINEERING

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- [BME 333: Biological Transport](#)
- [BME 444: Biomedical Controls](#)
- [BME 461: Biomedical Engineering Senior Design I](#)
- [BME 462: Biomedical Engineering Senior Design II](#)
- [EI E 100: Introduction to Electrical Engineering](#)
- [EI E 101: Survey of the Electrotechnology](#)
- [EI E 235: Principles of Digital Systems](#)
- [EI E 236: Digital Systems Laboratory I](#)
- [EI E 237: Electrical Engineering Tools and Toys](#)
- [EI E 301: Applied Electronics](#)
- [EI E 302: Applied Communication Systems](#)





- [EI E 313: Physiology for Biomedical Engineering](#)
- [EI E 314: Biomedical Measurement](#)
- [EI E 331: Linear Systems](#)
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- [EI E 340: Electrical Engineering Analysis I](#)
- [EI E 341: Theory of Fields](#)
- [EI E 351: Electronics Circuits I](#)
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- [EI E 353: Electronics Laboratory](#)
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- [EI E 357: Electrical Engineering Problems I](#)
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- [EI E 367: Computer-Aided Design in Electrical Engr](#)
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- [EI E 434: Fiber Optics Laboratory](#)
- [EI E 436: Systems Laboratory](#)
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- [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](#)
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- [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](#)
- [EI E 522: Electrical Engineering Projects II](#)
- [EI E 523: Microwave Engineering](#)
- [EI E 525: Introduction to Antennas](#)
- [EI E 533: Electronic Properties of Materials](#)
- [EI E 534: Wireless Mobile Communications](#)
- [EI E 535: Digital Communications](#)
- [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](#)
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- [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 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](#)
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- [G E 530: Advanced Geomechanics](#)
- [G E 540: Rock Mechanics](#)
- [G E 560: Waste Disposal I](#)
- [G E 561: Design of Waste Repositories](#)
- [G E 577: Geophysics I](#)
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- [G E 635: Advanced Rock Mechanics](#)
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- [Geol 103: Earth Dynamics](#)
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- [Geol 105: Environmental Geology - Resources](#)
- [Geol 106: Earth History](#)
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- [Geol 112: Historical Geology Laboratory](#)
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- [Geol 518: Quantitative Methods in Geo. & Geo Eng](#)
- [Geol 520: Advanced Igneous and Metamorphic Petrology](#)
- [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](#)
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- [Geol 643: Advanced Geomorphology](#)
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- [Geol 645: Advanced Sedimentation](#)
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- [Geol 690: Scientific Writing Seminar](#)
- [Geol 697: Thesis](#)

MECHANICAL ENGINEERING

- [M E 101: Introduction to Mechanical Engineering](#)
- [M E 201: Engineering Graphics Fundamentals](#)
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