School of Engineering

Overview

Academics & Admissions

Departments

Programs

Minors

Courses

Faculty

Awards

Courses

School of Engineering

- COP 201: CO-OP Work Experience
- COP 202: CO-OP Work Experience
- COP 300: Cooperative Education
- COP 301: CO-OP Work Experience
- COP 302: CO-OP Work Experience
- COP 401: CO-OP Work Experience
- COP 402: CO-OP Work Experience
- COP 501: CO-OP Work Experience
- COP 502: CO-OP Work Experience
- COP 503: CO-OP Work Experience
- Engr 100: Introduction to Engineering
- Engr 102: Principles of Engineering
- Engr 196: Special Topics in Engineering Science
- Engr 197: Special Topics in Engineering Science
- Engr 207: Graphics I
- Engr 296: Special Topics in Engineering Science
- Engr 297: Special Topics in Engineering Science
- Engr 307: Technical Communications
- Engr 309: Statics
- Engr 310: Engineering Analysis I
- Engr 310: Engineering Analysis I
- Engr 311: Intermediate Mechanics
- Engr 312: Mechanics of Materials
- Engr 313: Introduction to Materials Science
- Engr 313: Introduction to Materials Science
- Engr 314: Materials Science Laboratory
- Engr 314: Materials Science Laboratory
- Engr 321: Thermodynamics
- Engr 321: Thermodynamics
- Engr 322: Transport Phenomena
- Engr 322: Transport Phenomena
- Engr 323: Fluid Mechanics
- Engr 323: Fluid Mechanics
- Engr 330: Engineering Systems Analysis and Design
- Engr 330: Engineering Systems Analysis and Design
- Engr 340: Engineering Geology
- Engr 340: Engineering Geology
- Engr 351: Socio-Technology I
- Engr 352: Socio-Technology II
- Engr 360: Electric Circuit Theory
- Engr 360: Electric Circuit Theory
- Engr 361: Electric Circuit Laboratory
- Engr 361: Electric Circuit Laboratory
- Engr 363: Introductory Electric Circuit Laboratory

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https://catalog.olemiss.edu/2023/fall/undergraduate/engineering/courses
• Engr 363: Introductory Electric Circuit Laboratory
• Engr 390: Professional Communication for Engineers
• Engr 396: Special Topics in Engineering Science
• Engr 397: Special Topics in Engineering Science
• Engr 400: Leadership & Professionalism in Engineer
• Engr 402: Engineering Fundamentals
• Engr 407: Legal and Moral Aspects of Engineering
• Engr 410: Engineering Analysis II
• Engr 410: Engineering Analysis II
• Engr 415: Engineering Acoustics I
• Engr 420: Engineering Analysis III
• Engr 420: Engineering Analysis III
• Engr 450: Product Design and Development
• Engr 450: Product Design and Development
• Engr 453: Prob and Stat Analyses in Engr Design
• Engr 496: Special Topics in Engineering Science
• Engr 497: Special Topics in Engineering Science
• Engr 501: Fundamentals of Computer Science
• Engr 502: Software Systems
• Engr 515: Acoustics
• Engr 551: Engineering Thermodynamics
• Engr 553: Heat Transfer
• Engr 553: Heat Transfer
• Engr 555: Field Testing & Insr. in Geotech. Engr.
• Engr 558: Vibration Analysis
• Engr 559: Elements of Robotics
• Engr 559: Elements of Robotics
• Engr 571: Service Learning in Water Treatment
• Engr 573: Environmental Remediation
• Engr 577: Geophysics I
• Engr 579: Geophysics II
• Engr 582: Interdisciplinary Field Projects
• Engr 585: Mechanics of Composite Materials I
• Engr 590: Finite Element Analysis I
• Engr 591: Engineering Analysis I
• Engr 592: Engineering Analysis II
• Engr 593: Approximate Methods of Engr Analysis I
• Engr 594: Approximate Methods of Engr Analysis II
• Engr 596: Special Projects in Engineering Science
• Engr 597: Special Projects in Engineering Science
• Engr 598: Special Projects in Engineering Science
• Engr 600: Advanced Geochemistry
• Engr 601: Compressible Flow
• Engr 602: Lithostratigraphy
• Engr 603: Fluid Mechanics I
• Engr 604: Fluid Dynamics II
• Engr 605: Convective Heat and Mass Transfer
• Engr 606: Numerical Heat Transfer and Fluid Flow
• Engr 607: Statistical Thermodynamics
• Engr 608: Physical Gas Dynamics
• Engr 609: Time Series Analysis
• Engr 610: Data Communications Protocols
• Engr 611: Aeroacoustics
• Engr 612: Aerelasticity
• Engr 613: Exp Method in Aerodynamics/Aeroacoustics
• Engr 614: Geometrics
• Engr 615: Analytical Petroleum Geology
• Engr 616: Isotope Hydrogeology
• Engr 617: Continuum Mechanics
Engr 618: Vadose Zone Hydrology
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
Engr 627: Ray Methods in Electromagnetics
Engr 629: Televisions Systems II
Engr 633: Process Dynamics and Control I
Engr 635: Optimization
Engr 636: Groundwater Mechanics
Engr 637: Groundwater Modeling
Engr 641: Clay Petrology
Engr 642: X-Ray Diffraction Analysis
Engr 643: Advanced Geomorphology
Engr 644: Carbonate Petrology
Engr 645: Contaminant Transport
Engr 648: Advanced Stratigraphy
Engr 649: Numerical Modeling in Geoscience & Engr
Engr 649: Advanced Foundation Engineering
Engr 650: Radar Remote Sensing
Engr 652: Advanced Compiler Design
Engr 653: Computer Structures
Engr 654: Information Systems Principles
Engr 654: Information Systems Principles
Engr 655: Operating Systems Design Concepts
Engr 657: Timesharing Computer Systems
Engr 659: Advanced Information Retrieval
Engr 660: Software Engineering II
Engr 660: Software Engineering II
Engr 661: Computer Networks II
Engr 661: Computer Networks II
Engr 662: Advanced Artificial Intelligence
Engr 663: Advanced Rate and Equilibrium Processes
Engr 664: Theory of Concurrent Programming
Engr 665: Thermodynamics of Chemical Systems
Engr 666: Fault Tolerant Computing
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
Engr 673: Plasticity
Engr 674: Fracture Mechanics
Engr 677: Plates and Shells
Engr 678: Elasticity
Engr 679: Wave Propagation
Engr 680: Advanced Acoustics
Engr 683: Advanced Physical Metallurgy
Engr 684: Advanced Mechanical Metallurgy
Engr 685: Mechanics of Composite Materials II
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
Engr 692: Special Topics in Engineering Science II
Engr 693: Research Topics in Engineering Science I
- Engr 694: Research Topics in Eng. Science II
- Engr 695: Seminar
- Engr 696: Seminar in Environmental Engineering
- Engr 697: Thesis
- Engr 698: Special Topics in Engineering Science
- Engr 702: Finite Element Analysis of Fluid Flows
- Engr 711: Turbulence
- Engr 712: Statistical Theory Turbulent Diffusion
- Engr 713: Hydrodynamic Stability
- Engr 714: Coastal Hydrodynamics
- Engr 715: Applied Hydro- and Aeromechanics I
- Engr 716: Applied Hydro- and Aeromechanics II
- Engr 717: Special Topics in Thermal Science
- Engr 718: Coding for Error Code
- Engr 719: Advanced Microwave Measurements
- Engr 720: Advanced Turbulence
- Engr 721: Advanced Electrodynamics
- Engr 723: Passive Microwave Circuits
- Engr 725: Antennas
- 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
- Engs 610: Telecommunication Network Engineering
- Engs 611: Geospatial Science Primer
- Engs 612: Remote Sensing Fundamentals
- Engs 613: Introduction to Remote Sensing Systems
- 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
- 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
- G E 681: Applications in Geophysics
- Manf 150: Intro to Engineering / Manufacturing
- Manf 152: Intro to Engineering & Manufacturing II
- Manf 250: Graphics/Solid Modeling
- Manf 251: Manufacturing Processes
- Manf 252: Product Realization Laboratory
- Manf 253: Strategic Planning
- Manf 254: Continuous Flow/Layout

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https://catalog.olemiss.edu/2023/fall/undergraduate/engineering/courses Wednesday, October 19, 2022 at 6:59:03 pm CDT
• Manf 255: Lean I: Standardized Work & Takt Time
• Manf 350: Standardized Work/Takt Time
• Manf 351: Manufacturing Product/Process Design
• 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 450: Practical Problem Solving in Manf
• Manf 451: Manf Design-Product Realization
• Manf 452: Manf Design-Product Realization, II
• Manf 455: Lean III: Practical Problem Solving
• Manf 460: Introduction to Project Management
• 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

Biomedical Engineering
• BME 200: Introduction to Biomedical Engineering
• BME 222: Biomaterials
• BME 301: Bioinstrumentation
• BME 311: Biomechanics
• BME 313: Physiology for Biomedical Engineering
• BME 314: Biomedical Measurement
• BME 320: Bioseparations
• BME 333: Biological Transport
• BME 350: Immunoengineering
• BME 370: Intro to Bioinformatics & Biostatistics
• BME 413: Biomedical Signal Processing
• BME 444: Biomedical Controls
• BME 461: Biomedical Engineering Senior Design I
• BME 462: Biomedical Engineering Senior Design II
• BME 501: Computational and Systems Biomedicine
• BME 510: Drug and Gene Delivery
• BME 520: Biochemical Process Engineering
• BME 522: Immunoengineering
• BME 523: Molecular and Cellular Biophysics
• BME 524: Microscopy for Engineers

Chemical Engineering
• Ch E 101: Introduction to Chemical Engineering
• Ch E 251: Programming for Chemical Engineering
• Ch E 307: Chemical Process Principles I
• Ch E 308: Chemical Process Principles II
• Ch E 316: Chemical Engineering Fluid Mechanics
• Ch E 317: Process Fluid Dynamics and Heat Transfer
• Ch E 318: Chem Engineering Heat and Mass 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 413: Chemical Process Safety
• Ch E 417: Separation Processes
• Ch E 421: Chemical Engineering Thermodynamics
• Ch E 423: Chemical Reactor Analysis and Design
• Ch E 431: CHE Mass and Energy Balance Lab
• Ch E 432: CHE Unit Operations Lab
• Ch E 433: CHE Design Lab
• Ch E 449: Process Design
• Ch E 450: Process Optimization
• Ch E 451: Plant Design I
• Ch E 452: Product and Process Development
• Ch E 470: Principles of Lean Six Sigma
• Ch E 511: Process Dynamics and Control
• Ch E 513: Special Topics in Chemical Engineering
• Ch E 515: Research Seminar
• Ch E 520: Biochemical Engineering
• Ch E 521: Drug and Gene Delivery
• Ch E 522: Immunengineering
• Ch E 523: Molecular and Cellular Biophysics
• Ch E 524: Microscopy for Engineers
• Ch E 528: Polymer Processing
• Ch E 535: Experimental Methods in Engineering
• Ch E 540: Coating Materials Process & Applications
• Ch E 543: Introduction to Polymer Science
• Ch E 545: Colloid and Surface Science
• Ch E 547: Surfactant Science and Applications
• Ch E 550: Membrane Science and Engineering
• Ch E 560: Advanced Transport Phenomena I
• Ch E 561: Advanced Transport Phenomena II
• Ch E 593: Graduate Projects in Chemical Engr
• Engr 540: Environmental Organic Transport Phenomen
• Engr 542: Molecular Modeling of Nano Materials
• Engr 544: Synth and Fab of Nano Materials
• Engr 545: Polymer Nanocomposites

Civil Engineering
• C E 101: Introduction to Civil Engineering I
• C E 102: Introduction to Civil Engineering II
• C E 205: Civil Engineering Laboratory I
• C E 207: Surveying
• C E 208: Civil Engineering Graphics I
• C E 305: Civil Engineering Laboratory II
• C E 310: Introduction to Structural Mechanics
• C E 311: Structural Analysis
• C E 315: Civil Engineering Materials
• C E 325: Intermediate Dynamics
• C E 401: Civil Engineering Fundamentals
• C E 405: Civil Engineering Laboratory III
• C E 412: Design of Concrete Structures
• C E 413: Steel Design
• C E 414: Advanced Concrete Design
• C E 417: Construction Engineering and Management
• C E 421: Matrix Analysis of Structures
• C E 431: Soil Mechanics I
• C E 433: Foundation Engineering
• C E 435: Advanced Geotechnical Engineering
• C E 452: Civil Engineering Analysis
• C E 455: Civil Engineering Design I
• C E 456: Civil Engineering Design II
• C E 471: Environmental Engineering I
• C E 472: Water Resources Engineering
• C E 481: Transportation Engineering I
• C E 495: Geospatial Analysis for Engr & Vis Apps
• C E 497: Civil Engineering Projects
• C E 500: Geographic Information Systems Engr Sci
• C E 511: Structural Dynamics
• C E 513: Advanced Steel Design

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Wednesday, October 19, 2022 at 6:59:03 pm CDT
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>C E 514</td>
<td>Pre-Stressed Concrete Design</td>
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<tr>
<td>C E 516</td>
<td>Bridge Engineering</td>
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<tr>
<td>C E 521</td>
<td>Advanced Mechanics of Materials</td>
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<td>C E 531</td>
<td>Soil Mechanics II</td>
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<td>C E 541</td>
<td>Flow in Open Channels</td>
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<td>C E 542</td>
<td>Flow in Porous Media</td>
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<td>C E 543</td>
<td>Sediment Transport</td>
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<tr>
<td>C E 561</td>
<td>Civil Engineering Systems</td>
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<td>C E 570</td>
<td>Infrastructure Management</td>
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<td>C E 572</td>
<td>Stormwater Engineering and Management</td>
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<td>C E 574</td>
<td>Wastewater Engineering</td>
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<td>C E 575</td>
<td>Drinking Water Engineering</td>
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<td>C E 581</td>
<td>Transportation Engineering II</td>
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<td>C E 585</td>
<td>Highway Pavements</td>
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<tr>
<td>C E 590</td>
<td>Airport Planning and Design</td>
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</table>

**Computer & Information Science**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Csci 103</td>
<td>Survey of Computing</td>
</tr>
<tr>
<td>Csci 111</td>
<td>Computer Science I</td>
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<tr>
<td>Csci 112</td>
<td>Computer Science II</td>
</tr>
<tr>
<td>Csci 191</td>
<td>Office Applications</td>
</tr>
<tr>
<td>Csci 192</td>
<td>Computing Applications</td>
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<td>Csci 193</td>
<td>Personal Computer Systems</td>
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<tr>
<td>Csci 203</td>
<td>Introduction to Computational Media</td>
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<tr>
<td>Csci 211</td>
<td>Computer Science III</td>
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<tr>
<td>Csci 223</td>
<td>Computer Org. &amp; Assembly Language</td>
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<tr>
<td>Csci 251</td>
<td>Programming for Engineering and Sciences</td>
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<td>Csci 256</td>
<td>Programming in Python</td>
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<td>Csci 259</td>
<td>Programming in C++</td>
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<td>Csci 300</td>
<td>Social Responsibility in Comp. Science</td>
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<td>Csci 305</td>
<td>Software for Global Use</td>
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<tr>
<td>Csci 311</td>
<td>Models of Computation</td>
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<tr>
<td>Csci 323</td>
<td>Systems of Programming</td>
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<tr>
<td>Csci 325</td>
<td>Foundations of Computer Security</td>
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<tr>
<td>Csci 333</td>
<td>Digital Design and 3-D Printing</td>
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<tr>
<td>Csci 343</td>
<td>Fundamentals of Data Science</td>
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<td>Csci 345</td>
<td>Information Storage and Retrieval</td>
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<tr>
<td>Csci 353</td>
<td>Introduction to Numerical Methods</td>
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<td>Csci 354</td>
<td>Web Programming</td>
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<tr>
<td>Csci 356</td>
<td>Data Structures in Python</td>
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<td>Csci 361</td>
<td>Introduction to Computer Networks</td>
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<tr>
<td>Csci 387</td>
<td>Software Design and Development</td>
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<td>Csci 390</td>
<td>Special Topics in Programming</td>
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<td>Csci 391</td>
<td>Computer Graphics</td>
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<td>Csci 405</td>
<td>Computer Simulation</td>
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<td>Csci 423</td>
<td>Introduction to Operating Systems</td>
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<td>Csci 425</td>
<td>Code Generation and Optimization</td>
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<td>Csci 426</td>
<td>System Security</td>
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<td>Csci 427</td>
<td>Network Security</td>
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<td>Csci 431</td>
<td>Robotics Programming</td>
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<td>Csci 433</td>
<td>Algorithm and Data Structure Analysis</td>
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<td>Csci 443</td>
<td>Advanced Data Science</td>
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<td>Csci 444</td>
<td>Information Visualization</td>
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<td>Csci 447</td>
<td>Immersive Media</td>
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<td>Csci 450</td>
<td>Organization of Programming Languages</td>
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<td>Csci 458</td>
<td>Mobile Application Development</td>
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<td>Csci 475</td>
<td>Introduction to Database Systems</td>
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<td>Csci 487</td>
<td>Senior Project</td>
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<td>Csci 490</td>
<td>Special Topics</td>
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<td>Csci 491</td>
<td>Special Topics in Computer Security</td>
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</table>
- 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
- Csci 523: Operating Systems
- Csci 524: Distributed Operating System Design
- 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
- Csci 547: Digital Image Processing
- Csci 550: Program Semantics and Derivation
- Csci 551: Computer System Performance Analysis
- Csci 554: Web Architecture and Programming
- Csci 555: Functional Programming
- Csci 556: Multiparadigm Programming
- Csci 557: GPU Computing
- Csci 561: Computer Networks
- Csci 562: Software Engineering I
- Csci 575: Database Systems
- Csci 581: Special Topics in Computer Science I
- Csci 582: Special Topics in Computer Science II
- Csci 632: Machine Learning
- Csci 658: Software Language Engineering
- Csci 663: Software Families
- Csci 665: Wireless and Sensor Networks

**Electrical and Computer Engineering**

- 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 235: Principles of Digital Systems
- EI E 236: Digital Systems Laboratory I
- EI E 237: Electrical Engineering Tools and Toys
- EI E 322: Electric Circuit II
- EI E 331: Signals and Systems
- EI E 337: Digital Systems Laboratory II
- EI E 340: Electrical Engineering Analysis I
- EI E 341: Theory of Fields
- EI E 351: Electronics Circuits I
- EI E 352: Electronics Circuits II
- EI E 353: Electronics Laboratory
- EI E 357: Electrical Engineering Problems I
- 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: Probability and Random Signals
- EI E 415: Telecommunications Laboratory
- EI E 425: Local Area Networks

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- EIE 431: Theory of Control Systems
- EIE 432: Robotics Laboratory
- EIE 433: High Frequency and Microwave Laboratory
- EIE 441: Electromagnetic Theory I
- EIE 442: Electromagnetic Theory II
- EIE 443: Network Analysis and Synthesis
- EIE 447: Modulation, Noise, and Communications
- EIE 451: Electrical Energy Conversion
- EIE 453: Solid State Devices
- EIE 461: Sr. Design in Electrical Engineering I
- EIE 462: Sr. Design in Electrical Engineering II
- EIE 481: Fund. Low Power Dsg. VLSI Design
- EIE 482: Digital CMOS VLSI Design
- EIE 485: Microprocessor Systems Engineering
- EIE 486: Microprocessor Systems Engr Lab
- EIE 487: Digital Signal Processing Laboratory
- EIE 521: Electrical Engineering Projects I
- EIE 522: Electrical Engineering Projects II
- EIE 523: Microwave Engineering
- EIE 525: Introduction to Antennas
- EIE 533: Electronic Properties of Materials
- EIE 534: Wireless Mobile Communications
- EIE 535: Digital Communications
- EIE 536: Introduction to Quantum Computing
- EIE 561: Microwave Circuit Design
- EIE 586: Digital Signal Processing

Geology & Geological Engineering
- GE 234: Intro. to Geol. Engr. Field Methods
- GE 301: Geological Eng. Design Field Camp 1
- GE 305: Geomechanics
- GE 401: Geological Eng. Design Field Camp 2
- GE 405: Engineering Geophysics
- GE 415: Petroleum Geology
- GE 420: Subsurface Site Characterization
- GE 421: Geological Engineering Design
- GE 430: Geological Field Studies I
- GE 436: Field Camp GE Design
- GE 437: Geological Engineering Design Field Camp
- GE 450: Hydrogeology
- GE 470: Intro. to Geographic Information System
- GE 490: Directed Studies and Projects
- GE 503: Environmental Geochemistry
- GE 507: Regional Geological Engineering
- GE 510: Remote Sensing
- GE 511: Spatial Analysis
- GE 513: Economic Geology
- GE 525: Engineering Seismology
- GE 530: Advanced Geomechanics
- GE 540: Rock Mechanics
- GE 577: Geophysics I
- GE 591: Special Topics
- GE 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

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- 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 410: Coastal and Reef Dynamics
- Geol 420: Optical Mineralogy
- Geol 500: Intro. to Geographic Information Systems
- Geol 505: Hydrogeology
- 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 541: Advanced Geographic Information Systems
- Geol 615: Geostatistics
- Geol 630: Coastal Plain Geology
- Geol 643: Advanced Geomorphology
- Geol 645: Advanced Sedimentation
- Geol 646: Advanced Stratigraphy
- Geol 647: Sedimentary Petrology
- Geol 648: Metamorphic Petrology
- Geol 649: Pedology
- Geol 690: Scientific Writing
- Geol 697: Thesis

**Mechanical Engineering**
- Engr 546: Micro/Nanoscale Fabrication
- 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 401: Thermo-fluid Dynamics
- M E 402: Elements of Propulsion
- M E 416: Structures and Dynamics Laboratory
- M E 417: Projects
- M E 418: Projects
- M E 419: Energy and Fluids Laboratory
- M E 426: Kinematics: Analysis and Synthesis
- M E 428: Dynamics of Machinery
- 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 527: Materials Processing
- M E 529: Aerodynamics
- M E 530: Physical Metallurgy
- M E 531: Mechanical Behavior of Engr Materials
- ME 533: Electronic Properties of Materials
- ME 534: Properties and Selection of Materials
- ME 535: Experimental Stress Analysis
- ME 537: Mechatronic Systems Engineering
- ME 541: Theory and Use of CAD and Solid Modeling
- ME 543: Linear Systems and Controls