Courses

School of Engineering

- C OP 201: CO-OP Work Experience
- C OP 202: CO-OP Work Experience
- C OP 300: Cooperative Education
- C OP 301: CO-OP Work Experience
- C OP 302: CO-OP Work Experience
- C OP 401: CO-OP Work Experience
- C OP 402: CO-OP Work Experience
- C OP 501: CO-OP Work Experience
- C OP 502: CO-OP Work Experience
- C OP 503: CO-OP Work Experience
- Engr 100: Introduction to Engineering
- Engr 196: Special Topics in Engineering Science
- Engr 197: Special Topics in Engineering Science
- Engr 207: Graphics I
- Engr 208: Graphics II
- Engr 296: Special Topics in Engineering Science
- Engr 297: Special Topics in Engineering Science
- Engr 301: Environmental Engineering Lab I
- Engr 302: Fluid Mechanics Laboratory
- Engr 307: Technical Communications
- Engr 309: Statics
- 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 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
- 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 401: Environmental Engineering Lab II
• 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 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 537: Environmental Engineering II
• Engr 551: Engineering Thermodynamics
• Engr 553: Heat Transfer
• Engr 555: Field Testing & Insr. in Geotech. Engr.
• Engr 558: Vibration Analysis
• Engr 559: Elements of Robotics
• Engr 571: Service Learning in Water Treatment
• Engr 572: Advanced Sanitary Analysis
• 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: Aereelasticity
• Engr 613: Exp Method in Aerodynamics/Aeroacoustics
• Engr 614: Geometrics
• Engr 615: Analytical Petroleum Geology
• 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
Engr 627: Ray Methods in Electromagnetics
Engr 629: Television Systems II
Engr 62: Unit Process & Oper in Env Eng I
Engr 631: Unit Process & Oper in Env Eng II
Engr 62: Sludge Treatment and Disposal
Engr 62: Process Dynamics and Control I
Engr 62: Treatment & Disposal of Industrial Waste
Engr 62: Optimization
Engr 62: Groundwater Mechanics
Engr 62: Groundwater Modeling
Engr 62: Hazardous Waste Management
Engr 62: Environmental Systems Engineering
Engr 62: Stream and Estuarine Analysis
Engr 641: Clay Petrology
Engr 642: X-Ray Diffraction Analysis
Engr 643: Advanced Geomorphology
Engr 644: Carbonate Petrology
Engr 645: Contaminant Transport
Engr 646: Advanced Stratigraphy
Engr 647: Pavement Management Systems
Engr 64: Numerical Modeling in Geoscience & Engr
Engr 64: Advanced Foundation Engineering
Engr 65: Radar Remote Sensing
Engr 652: Advanced Compiler Design
Engr 653: Computer Structures
Engr 654: Information Systems Principles
Engr 654: Information Systems Principles
Engr 656: Operating Systems Design Concepts
Engr 657: Timesharing Computer Systems
Engr 659: Advanced Information Retrieval
Engr 660: Software Engineering II
Engr 66: Software Engineering II
Engr 661: Computer Networks II
Engr 661: Computer Networks II
Engr 662: Advanced Artificial Intelligence
Engr 66: 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: Elasticstability
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 699: 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 726: 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
- Engr 501: Geospatial Primer
- Engr 504: Remote Sensing Fundamentals
- Engr 523: Sensors and Platforms
- Engr 603: Analysis of Algorithms
- Engr 606: Computer Networks
- Engr 610: Telecommunication Network Engineering
- Engr 611: Geospatial Science Primer
- Engr 612: Remote Sensing Fundamentals
- Engr 613: Introduction to Remote Sensing Systems
- Engr 614: Remote Sensing and Digital Images
- Engr 620: Geospatial Information Technology
- Engr 621: Orbital Mechanics
- Engr 624: Introduction to Digital Image Processing
- Engr 626: Community Growth
- Engr 627: Applied Probability Modeling
- Engr 633: Microwave Filters
- Engr 671: Digital Topographic Mapping
- Engr 672: Remote Sensing and the Environment
- Engr 673: Advanced Digital Image Processing
- Engr 674: Geospatial Data Synthesis and Modeling
- Engr 675: Microwave Data
- Engr 681: Advanced Sensor Systems Data Collection
- Engr 682: Remote Sensing to Ecological Modeling
- Engr 683: Land Use and Land Cover Applications
- Engr 684: Agricultural Applications Remote Sensing
- Engr 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
• 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 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

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
• Ch E 314: Modeling and Simulation II
• 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 431: CHE Mass and Energy Balance Lab
• Ch E 432: CHE Unit Operations Lab
• Ch E 433: CHE Design Lab
• Ch E 445: Chemical Engineering Lab I
• Ch E 446: Chemical Engineering Lab II
• Ch E 451: Plant Design I
• Ch E 452: Plant Design II
• Ch E 460: Product Design I:Development, Evaluation
• Ch E 461: Product Design II: Product Realization
• 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 530: Coal Utilization and Pollutants Control
• Ch E 541: Appl of Chemical Instrumentation I
• Ch E 542: Appl of Chemical Instrumentation II
• Ch E 543: Introduction to Polymer Science
• Ch E 545: Colloid and Surface Science
• Ch E 547: Sufactant Science and Applications
• 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
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 416: Bridge Engineering
- 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 511: Structural Dynamics
- C E 514: Pre-Stressed Concrete Design
- C E 521: Advanced Mechanics of Materials
- C E 531: Soil Mechanics II
- C E 541: Flow in Open Channels
- C E 542: Flow in Porous Media
- C E 543: Sediment Transport
- C E 551: Civil Engineering Systems
- C E 570: Infrastructure Management
- C E 572: Stormwater Engineering and Management
- C E 581: Transportation Engineering II
- C E 585: Highway Pavements
- C E 590: Airport Planning and Design

Computer & Information Science
- Csci 103: Survey of Computing
- Csci 111: Computer Science I
- Csci 112: Computer Science II
- Csci 191: Office Applications
- 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 256: Programming in Python
- Csci 259: Programming in C++
- Csci 300: Social Responsibility in Comp. Science
- Csci 305: Software for Global Use
- Csci 311: Models of Computation
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Csci 323</td>
<td>Systems of Programming</td>
</tr>
<tr>
<td>Csci 333</td>
<td>Digital Design and 3-D Printing</td>
</tr>
<tr>
<td>Csci 343</td>
<td>Fundamentals of Data Science</td>
</tr>
<tr>
<td>Csci 345</td>
<td>Information Storage and Retrieval</td>
</tr>
<tr>
<td>Csci 353</td>
<td>Introduction to Numerical Methods</td>
</tr>
<tr>
<td>Csci 354</td>
<td>Web Programming</td>
</tr>
<tr>
<td>Csci 356</td>
<td>Data Structures in Python</td>
</tr>
<tr>
<td>Csci 361</td>
<td>Introduction to Computer Networks</td>
</tr>
<tr>
<td>Csci 387</td>
<td>Software Design and Development</td>
</tr>
<tr>
<td>Csci 390</td>
<td>Special Topics in Programming</td>
</tr>
<tr>
<td>Csci 391</td>
<td>Computer Graphics</td>
</tr>
<tr>
<td>Csci 405</td>
<td>Computer Simulation</td>
</tr>
<tr>
<td>Csci 423</td>
<td>Introduction to Operating Systems</td>
</tr>
<tr>
<td>Csci 425</td>
<td>Code Generation and Optimization</td>
</tr>
<tr>
<td>Csci 427</td>
<td>Fundamentals of Computer Security</td>
</tr>
<tr>
<td>Csci 431</td>
<td>Robotics Programming</td>
</tr>
<tr>
<td>Csci 433</td>
<td>Algorithm and Data Structure Analysis</td>
</tr>
<tr>
<td>Csci 443</td>
<td>Advanced Data Science</td>
</tr>
<tr>
<td>Csci 444</td>
<td>Information Visualization</td>
</tr>
<tr>
<td>Csci 447</td>
<td>Immersive Media</td>
</tr>
<tr>
<td>Csci 450</td>
<td>Organization of Programming Languages</td>
</tr>
<tr>
<td>Csci 458</td>
<td>Mobile Application Development</td>
</tr>
<tr>
<td>Csci 475</td>
<td>Introduction to Database Systems</td>
</tr>
<tr>
<td>Csci 487</td>
<td>Senior Project</td>
</tr>
<tr>
<td>Csci 490</td>
<td>Special Topics</td>
</tr>
<tr>
<td>Csci 500</td>
<td>Fundamental Concepts in Computing</td>
</tr>
<tr>
<td>Csci 501</td>
<td>Fundamental Concepts in Systems</td>
</tr>
<tr>
<td>Csci 502</td>
<td>Fundamental Concepts in Algorithms</td>
</tr>
<tr>
<td>Csci 503</td>
<td>Fundamental Concepts in Languages</td>
</tr>
<tr>
<td>Csci 517</td>
<td>Natural Language Processing</td>
</tr>
<tr>
<td>Csci 520</td>
<td>Formal Theory of Computer Languages</td>
</tr>
<tr>
<td>Csci 521</td>
<td>Computer Systems Engineering</td>
</tr>
<tr>
<td>Csci 523</td>
<td>Operating Systems</td>
</tr>
<tr>
<td>Csci 524</td>
<td>Distributed Operating System Design</td>
</tr>
<tr>
<td>Csci 525</td>
<td>Compiler Construction</td>
</tr>
<tr>
<td>Csci 526</td>
<td>Parallel Computing</td>
</tr>
<tr>
<td>Csci 530</td>
<td>Computer Architecture and Design</td>
</tr>
<tr>
<td>Csci 531</td>
<td>Artificial Intelligence</td>
</tr>
<tr>
<td>Csci 533</td>
<td>Analysis of Algorithms</td>
</tr>
<tr>
<td>Csci 541</td>
<td>Expert Systems and Logic Programming</td>
</tr>
<tr>
<td>Csci 543</td>
<td>Data Mining</td>
</tr>
<tr>
<td>Csci 547</td>
<td>Digital Image Processing</td>
</tr>
<tr>
<td>Csci 550</td>
<td>Program Semantics and Derivation</td>
</tr>
<tr>
<td>Csci 551</td>
<td>Computer System Performance Analysis</td>
</tr>
<tr>
<td>Csci 554</td>
<td>Web Architecture and Programming</td>
</tr>
<tr>
<td>Csci 555</td>
<td>Functional Programming</td>
</tr>
<tr>
<td>Csci 556</td>
<td>Multiparadigm Programming</td>
</tr>
<tr>
<td>Csci 561</td>
<td>Computer Networks</td>
</tr>
<tr>
<td>Csci 562</td>
<td>Software Engineering I</td>
</tr>
<tr>
<td>Csci 575</td>
<td>Database Systems</td>
</tr>
<tr>
<td>Csci 581</td>
<td>Special Topics in Computer Science I</td>
</tr>
<tr>
<td>Csci 582</td>
<td>Special Topics in Computer Science II</td>
</tr>
<tr>
<td>Csci 632</td>
<td>Machine Learning</td>
</tr>
<tr>
<td>Csci 658</td>
<td>Software Language Engineering</td>
</tr>
<tr>
<td>Csci 663</td>
<td>Software Families</td>
</tr>
<tr>
<td>Csci 665</td>
<td>Wireless and Sensor Networks</td>
</tr>
</tbody>
</table>

**Electrical Engineering**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BME 200</td>
<td>Introduction to Biomedical Engineering</td>
</tr>
<tr>
<td>BME 301</td>
<td>Bioinstrumentation</td>
</tr>
</tbody>
</table>
- BME 320: Bioseparations
- BME 322: Biomaterials
- BME 333: Biological Transport
- BME 350: Immunotherapy
- 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
- 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 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 413: Biomedical Signal Processing
- EI E 414: Biomedical Electronics
- EI E 415: Telecommunications Laboratory
- EI E 425: Local Area Networks
- 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 436: Systems 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
- EI E 461: Sr. Design in Electrical Engineering I
- 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
- EI E 522: Electrical Engineering Projects II
- EI E 523: Microwave Engineering
- EI E 525: Introduction to Antennas
El E 533: Electronic Properties of Materials
El E 534: Wireless Mobile Communications
El E 535: Digital Communications
El E 561: Microwave Circuit Design
El 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 405: Engineering Geophysics
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 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 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  
Geol 604: Earth Sciences II  
Geol 609: Earth Science Projects  
Geol 619: 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 690: Scientific Writing Seminar  
Geol 697: Thesis  

Mechanical Engineering  
ME 101: Introduction to Mechanical Engineering  
ME 201: Engineering Graphics Fundamentals  
ME 324: Introduction to Mechanical Design  
ME 325: Intermediate Dynamics  
ME 399: Thermodynamics II  
ME 401: Thermo-fluid Dynamics  
ME 402: Elements of Propulsion  
ME 404: Applied Fluid Mechanics  
ME 406: Alternative Energy Systems  
ME 416: Structures and Dynamics Laboratory  
ME 417: Projects  
ME 418: Projects  
ME 419: Energy and Fluids Laboratory  
ME 420: Experimental Mechanical Engineering II  
ME 421: Structural Analysis  
ME 422: Structural Design I  
ME 426: Kinematics: Analysis and Synthesis  
ME 427: Kinematic Analysis and Synthesis  
ME 428: Dynamics of Machinery  
ME 438: Mechanical Engineering Design  
ME 521: Projects  
ME 522: Projects
The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

http://catalog.olemiss.edu/2019/spring/undergraduate/engineering/courses

Wednesday, March 13, 2019 at 8:42:53 am CDT

The School of Engineering | Spring 2018-19
227 Brevard Hall, University, MS 38677
http://www.engineering.olemiss.edu/

- ME 523: Special Topics in Mechanical Engineering
- ME 524: Special Topics in Mechanical Engineering
- ME 525: Advanced Dynamics
- ME 526: Experimental Methods
- ME 527: Materials Processing
- ME 528: Polymer Processing
- ME 529: Aerodynamics
- ME 530: Physical Metallurgy
- ME 531: Mechanical Behavior of Engr Materials
- ME 532: Glass and Ceramics
- ME 533: Electronic Properties of Materials
- ME 534: Properties and Selection of Materials
- ME 535: Experimental Stress Analysis
- ME 537: Mechatronic Systems Engineering
- ME 538: Exper Character of Polymer Composites
- ME 539: Failure Analysis
- ME 541: Theory and Use of CAD and Solid Modeling
- ME 543: Linear Systems and Controls
- ME 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