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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engr 396</td>
<td>Special Topics in Engineering Science</td>
</tr>
<tr>
<td>Engr 397</td>
<td>Special Topics in Engineering Science</td>
</tr>
<tr>
<td>Engr 400</td>
<td>Leadership &amp; Professionalism in Engineer</td>
</tr>
<tr>
<td>Engr 401</td>
<td>Environmental Engineering Lab II</td>
</tr>
<tr>
<td>Engr 402</td>
<td>Engineering Fundamentals</td>
</tr>
<tr>
<td>Engr 407</td>
<td>Legal and Moral Aspects of Engineering</td>
</tr>
<tr>
<td>Engr 410</td>
<td>Engineering Analysis II</td>
</tr>
<tr>
<td>Engr 410</td>
<td>Engineering Analysis II</td>
</tr>
<tr>
<td>Engr 415</td>
<td>Engineering Acoustics I</td>
</tr>
<tr>
<td>Engr 420</td>
<td>Engineering Analysis III</td>
</tr>
<tr>
<td>Engr 420</td>
<td>Engineering Analysis III</td>
</tr>
<tr>
<td>Engr 450</td>
<td>Product Design and Development</td>
</tr>
<tr>
<td>Engr 453</td>
<td>Prob and Stat Analyses in Engr Design</td>
</tr>
<tr>
<td>Engr 496</td>
<td>Special Topics in Engineering Science</td>
</tr>
<tr>
<td>Engr 497</td>
<td>Special Topics in Engineering Science</td>
</tr>
<tr>
<td>Engr 501</td>
<td>Fundamentals of Computer Science</td>
</tr>
<tr>
<td>Engr 502</td>
<td>Software Systems</td>
</tr>
<tr>
<td>Engr 515</td>
<td>Acoustics</td>
</tr>
<tr>
<td>Engr 537</td>
<td>Environmental Engineering II</td>
</tr>
<tr>
<td>Engr 551</td>
<td>Engineering Thermodynamics</td>
</tr>
<tr>
<td>Engr 553</td>
<td>Heat Transfer</td>
</tr>
<tr>
<td>Engr 555</td>
<td>Field Testing &amp; Instr. in Geotech. Engr.</td>
</tr>
<tr>
<td>Engr 558</td>
<td>Vibration Analysis</td>
</tr>
<tr>
<td>Engr 559</td>
<td>Elements of Robotics</td>
</tr>
<tr>
<td>Engr 571</td>
<td>Service Learning in Water Treatment</td>
</tr>
<tr>
<td>Engr 572</td>
<td>Advanced Sanitary Analysis</td>
</tr>
<tr>
<td>Engr 573</td>
<td>Environmental Remediation</td>
</tr>
<tr>
<td>Engr 577</td>
<td>Geophysics I</td>
</tr>
<tr>
<td>Engr 579</td>
<td>Geophysics II</td>
</tr>
<tr>
<td>Engr 582</td>
<td>Interdisciplinary Field Projects</td>
</tr>
<tr>
<td>Engr 589</td>
<td>Mechanics of Composite Materials I</td>
</tr>
<tr>
<td>Engr 590</td>
<td>Finite Element Analysis I</td>
</tr>
<tr>
<td>Engr 591</td>
<td>Engineering Analysis I</td>
</tr>
<tr>
<td>Engr 592</td>
<td>Engineering Analysis II</td>
</tr>
<tr>
<td>Engr 593</td>
<td>Approximate Methods of Engr Analysis I</td>
</tr>
<tr>
<td>Engr 594</td>
<td>Approximate Methods of Engr Analysis II</td>
</tr>
<tr>
<td>Engr 596</td>
<td>Special Projects in Engineering Science</td>
</tr>
<tr>
<td>Engr 597</td>
<td>Special Projects in Engineering Science</td>
</tr>
<tr>
<td>Engr 598</td>
<td>Special Projects in Engineering Science</td>
</tr>
<tr>
<td>Engr 600</td>
<td>Advanced Geochemistry</td>
</tr>
<tr>
<td>Engr 601</td>
<td>Compressible Flow</td>
</tr>
<tr>
<td>Engr 602</td>
<td>Lithostratigraphy</td>
</tr>
<tr>
<td>Engr 603</td>
<td>Fluid Mechanics I</td>
</tr>
<tr>
<td>Engr 604</td>
<td>Fluid Dynamics II</td>
</tr>
<tr>
<td>Engr 605</td>
<td>Convective Heat and Mass Transfer</td>
</tr>
<tr>
<td>Engr 606</td>
<td>Numerical Heat Transfer and Fluid Flow</td>
</tr>
<tr>
<td>Engr 607</td>
<td>Statistical Thermodynamics</td>
</tr>
<tr>
<td>Engr 608</td>
<td>Physical Gas Dynamics</td>
</tr>
<tr>
<td>Engr 609</td>
<td>Time Series Analysis</td>
</tr>
<tr>
<td>Engr 610</td>
<td>Data Communications Protocols</td>
</tr>
<tr>
<td>Engr 611</td>
<td>Aeroacoustics</td>
</tr>
<tr>
<td>Engr 612</td>
<td>Aerelasticity</td>
</tr>
<tr>
<td>Engr 613</td>
<td>Exp Method in Aerodynamics/Aeroacoustics</td>
</tr>
<tr>
<td>Engr 614</td>
<td>Geometrics</td>
</tr>
<tr>
<td>Engr 615</td>
<td>Analytical Petroleum Geology</td>
</tr>
<tr>
<td>Engr 616</td>
<td>Isotope Hydrogeology</td>
</tr>
<tr>
<td>Engr 617</td>
<td>Continuum Mechanics</td>
</tr>
<tr>
<td>Engr 618</td>
<td>Vadose Zone Hydrology</td>
</tr>
<tr>
<td>Engr 620</td>
<td>Advanced Remote Sensing</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>Engr 622</td>
<td>Advanced Electromagnetic Theory</td>
</tr>
<tr>
<td>Engr 624</td>
<td>Active Microwave Circuits</td>
</tr>
<tr>
<td>Engr 625</td>
<td>Adv. Topics in Computational Mechanics</td>
</tr>
<tr>
<td>Engr 626</td>
<td>Numerical Methods in Electromagnetics</td>
</tr>
<tr>
<td>Engr 627</td>
<td>Ray Methods in Electromagnetics</td>
</tr>
<tr>
<td>Engr 629</td>
<td>Televisions Systems II</td>
</tr>
<tr>
<td>Engr 630</td>
<td>Unit Process &amp; Oper. in Env Eng I</td>
</tr>
<tr>
<td>Engr 631</td>
<td>Unit Process &amp; Oper. in Env Eng II</td>
</tr>
<tr>
<td>Engr 632</td>
<td>Sludge Treatment and Disposal</td>
</tr>
<tr>
<td>Engr 633</td>
<td>Process Dynamics and Control I</td>
</tr>
<tr>
<td>Engr 634</td>
<td>Treatment &amp; Disposal of Industrial Waste</td>
</tr>
<tr>
<td>Engr 635</td>
<td>Optimization</td>
</tr>
<tr>
<td>Engr 636</td>
<td>Groundwater Mechanics</td>
</tr>
<tr>
<td>Engr 637</td>
<td>Groundwater Modeling</td>
</tr>
<tr>
<td>Engr 638</td>
<td>Hazardous Waste Management</td>
</tr>
<tr>
<td>Engr 639</td>
<td>Environmental Systems Engineering</td>
</tr>
<tr>
<td>Engr 640</td>
<td>Stream and Estuarine Analysis</td>
</tr>
<tr>
<td>Engr 641</td>
<td>Clay Petrology</td>
</tr>
<tr>
<td>Engr 642</td>
<td>X-Ray Diffraction Analysis</td>
</tr>
<tr>
<td>Engr 643</td>
<td>Advanced Geomorphology</td>
</tr>
<tr>
<td>Engr 644</td>
<td>Carbonate Petrology</td>
</tr>
<tr>
<td>Engr 645</td>
<td>Contaminant Transport</td>
</tr>
<tr>
<td>Engr 646</td>
<td>Advanced Stratigraphy</td>
</tr>
<tr>
<td>Engr 647</td>
<td>Pavement Management Systems</td>
</tr>
<tr>
<td>Engr 648</td>
<td>Numerical Modeling in Geoscience &amp; Engr</td>
</tr>
<tr>
<td>Engr 649</td>
<td>Advanced Foundation Engineering</td>
</tr>
<tr>
<td>Engr 650</td>
<td>Radar Remote Sensing</td>
</tr>
<tr>
<td>Engr 652</td>
<td>Advanced Compiler Design</td>
</tr>
<tr>
<td>Engr 653</td>
<td>Computer Structures</td>
</tr>
<tr>
<td>Engr 654a</td>
<td>Information Systems Principles</td>
</tr>
<tr>
<td>Engr 654b</td>
<td>Information Systems Principles</td>
</tr>
<tr>
<td>Engr 656</td>
<td>Operating Systems Design Concepts</td>
</tr>
<tr>
<td>Engr 657</td>
<td>Timesharing Computer Systems</td>
</tr>
<tr>
<td>Engr 659</td>
<td>Advanced Information Retrieval</td>
</tr>
<tr>
<td>Engr 660</td>
<td>Software Engineering II</td>
</tr>
<tr>
<td>Engr 660a</td>
<td>Software Engineering II</td>
</tr>
<tr>
<td>Engr 661</td>
<td>Computer Networks II</td>
</tr>
<tr>
<td>Engr 661a</td>
<td>Computer Networks II</td>
</tr>
<tr>
<td>Engr 662</td>
<td>Advanced Artificial Intelligence</td>
</tr>
<tr>
<td>Engr 663</td>
<td>Advanced Rate and Equilibrium Processes</td>
</tr>
<tr>
<td>Engr 664</td>
<td>Theory of Concurrent Programming</td>
</tr>
<tr>
<td>Engr 665</td>
<td>Thermodynamics of Chemical Systems</td>
</tr>
<tr>
<td>Engr 666</td>
<td>Fault Tolerant Computing</td>
</tr>
<tr>
<td>Engr 667</td>
<td>Mass Transfer I</td>
</tr>
<tr>
<td>Engr 669</td>
<td>Chemical Reaction and Reactor Analysis I</td>
</tr>
<tr>
<td>Engr 670</td>
<td>Chemical Reaction &amp; Reactor Analysis II</td>
</tr>
<tr>
<td>Engr 671</td>
<td>Elasticity</td>
</tr>
<tr>
<td>Engr 672</td>
<td>Viscoelasticity</td>
</tr>
<tr>
<td>Engr 673</td>
<td>Plasticity</td>
</tr>
<tr>
<td>Engr 674</td>
<td>Fracture Mechanics</td>
</tr>
<tr>
<td>Engr 677</td>
<td>Plates and Shells</td>
</tr>
<tr>
<td>Engr 678</td>
<td>Elasticstability</td>
</tr>
<tr>
<td>Engr 679</td>
<td>Wave Propagation</td>
</tr>
<tr>
<td>Engr 680</td>
<td>Advanced Acoustics</td>
</tr>
<tr>
<td>Engr 683</td>
<td>Advanced Physical Metallurgy</td>
</tr>
<tr>
<td>Engr 684</td>
<td>Advanced Mechanical Metallurgy</td>
</tr>
<tr>
<td>Engr 685</td>
<td>Mechanics of Composite Materials II</td>
</tr>
<tr>
<td>Engr 686</td>
<td>Multimedia Technologies II</td>
</tr>
<tr>
<td>Engr 687</td>
<td>Special Functions for Applications</td>
</tr>
</tbody>
</table>
- Engr 688: Current Issues in Telecommunications
- Engr 688: 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 722: 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
• 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 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 313: Physiology for Biomedical Engineering
• BME 314: Biomedical Measurement
• BME 320: Bioseparations
• BME 333: Biological Transport
• BME 350: Immunotherapy
• BME 413: Biomedical Signal Processing
• BME 444: Biomedical Controls
• BME 461: Biomedical Engineering Senior Design I
• BME 462: Biomedical Engineering Senior Design II

**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 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 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 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 530: Coal Utilization and Pollutants Control
Ch E 535: Experimental Methods in Engineering
Ch E 540: Coating Materials Process & Applications
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: 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 Phenomena

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 561: 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
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
Csci 354: Web Programming
Csci 356: Data Structures in Python
Csci 361: Introduction to Computer Networks
Csci 387: Software Design and Development
Csci 390: Special Topics in Programming
Csci 391: Computer Graphics
Csci 405: Computer Simulation
Csci 423: Introduction to Operating Systems
Csci 425: Code Generation and Optimization
Csci 427: Fundamentals of Computer Security
Csci 431: Robotics Programming
Csci 433: Algorithm and Data Structure Analysis
Csci 443: Advanced Data Science
Csci 444: Information Visualization
Csci 447: Immersive Media
Csci 450: Organization of Programming Languages
Csci 458: Mobile Application Development
Csci 475: Introduction to Database Systems
Csci 487: Senior Project
Csci 490: Special Topics
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 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 Engineering
El E 100: Introduction to Electrical Engineering
El E 101: Survey of the Electrotechnology
El E 235: Principles of Digital Systems
El E 236: Digital Systems Laboratory I
El E 237: Electrical Engineering Tools and Toys
El E 301: Applied Electronics
El E 302: Applied Communication Systems
El E 331: Linear Systems
El E 337: Digital Systems Laboratory II
El E 340: Electrical Engineering Analysis I
El E 341: Theory of Fields
El E 351: Electronics Circuits I
El E 352: Electronics Circuits II
El E 353: Electronics Laboratory
El E 354: PC-Based Instrumentation Laboratory
El E 357: Electrical Engineering Problems I
El E 358: Electrical Engineering Problems II
El E 367: Computer-Aided Design in Electrical Engr
El E 385: Advanced Digital Systems
El E 386: Advanced Digital Systems Laboratory
El E 391: Random Signals
El E 414: Biomedical Electronics
El E 415: Telecommunications Laboratory
El E 425: Local Area Networks
El E 431: Theory of Control Systems
El E 432: Robotics Laboratory
El E 433: High Frequency and Microwave Laboratory
El E 434: Fiber Optics Laboratory
El E 436: Systems Laboratory
El E 441: Electromagnetic Theory I
El E 442: Electromagnetic Theory II
El E 443: Network Analysis and Synthesis
El E 447: Modulation, Noise, and Communications
El E 449: Analog Communications Laboratory
El E 450: Digital Communications Laboratory
El E 451: Electrical Energy Conversion
El E 452: Electric Power Transformer Laboratory

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.

https://catalog.olemiss.edu/2020/fall/undergraduate/engineering/courses
• El E 453: Solid State Devices
• El E 461: Sr. Design in Electrical Engineering I
• El E 462: Sr. Design in Electrical Engineering II
• El E 481: Fund. Low Power Dig. VLSI Design
• El E 482: Digital CMOS VLSI Design
• El E 485: Microprocessor Systems Engineering
• El E 486: Microprocessor Systems Engr Lab
• El E 487: Digital Signal Processing Laboratory
• El E 521: Electrical Engineering Projects I
• El E 522: Electrical Engineering Projects II
• El E 523: Microwave Engineering
• El 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 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 690: Scientific Writing Seminar
Geol 697: Thesis

Mechanical Engineering
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 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 439: 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: Expri 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