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 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

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https://catalog.olemiss.edu/2021/fall/undergraduate/engineering/courses

Sunday, September 20, 2020 at 11:34:53 am CDT
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https://catalog.olemiss.edu/2021/fall/undergraduate/engineering/courses Sunday, September 20, 2020 at 11:34:53 am CDT
- 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: Televsions Systems II
- Engr 630: Unit Process & Oper in Env Eng I
- Engr 631: Unit Process & Oper in Env Eng II
- Engr 632: Sludge Treatment and Disposal
- Engr 633: Process Dynamics and Control I
- Engr 634: Treatment & Disposal of Industrial Waste
- Engr 635: Optimization
- Engr 636: Groundwater Mechanics
- Engr 637: Groundwater Modeling
- Engr 638: Hazardous Waste Management
- Engr 639: Environmental Systems Engineering
- Engr 640: Stream and Estuarine Analysis
- Engr 641: Clay Petrology
- Engr 642: X-Ray Diffration Analysis
- Engr 643: Advanced Geomorphology
- Engr 644: Carbonate Petrology
- Engr 645: Contaminant Transport
- Engr 646: Advanced Stratigraphy
- Engr 647: Pavement Management Systems
- Engr 648: 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 655: Operating Systems Design Concepts
- Engr 657: Timesharing Computer Systems
- Engr 658: Advanced Information Retrieval
- Engr 660: Software Engineering II
- Engr 661: Computer Networks II
- 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 703: Adv Waste Treat Proc in Sanitary Eng
- 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 740: 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 684: Agricultural Applications Remote Sensing
- Engr 685: Business Geographics
- GE 681: Applications in Geophysics

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- 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: Immunengineering
- 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 449: Process Design
• Ch E 450: Process Optimization
• Ch E 451: Plant Design I
• Ch E 452: Product and Process Development
• 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 518: 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 325: Foundations of Computer Security
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 426: System Security
Csci 427: Network 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 491: Special Topics in Computer Security
Csci 492: Special Topics in Data Science
Csci 500: Fundamental Concepts in Computing
Csci 501: Fundamental Concepts in Systems
Csci 502: Fundamental Concepts in Algorithms
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Csci 503</td>
<td>Fundamental Concepts in Languages</td>
</tr>
<tr>
<td>Csci 517</td>
<td>Natural Language Processing</td>
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<tr>
<td>Csci 520</td>
<td>Formal Theory of Computer Languages</td>
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<tr>
<td>Csci 521</td>
<td>Computer Systems Engineering</td>
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<tr>
<td>Csci 523</td>
<td>Operating Systems</td>
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<tr>
<td>Csci 524</td>
<td>Distributed Operating System Design</td>
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<tr>
<td>Csci 525</td>
<td>Compiler Construction</td>
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<tr>
<td>Csci 526</td>
<td>Parallel Computing</td>
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<tr>
<td>Csci 530</td>
<td>Computer Architecture and Design</td>
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<tr>
<td>Csci 531</td>
<td>Artificial Intelligence</td>
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<tr>
<td>Csci 533</td>
<td>Analysis of Algorithms</td>
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<tr>
<td>Csci 541</td>
<td>Expert Systems and Logic Programming</td>
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<tr>
<td>Csci 543</td>
<td>Data Mining</td>
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<tr>
<td>Csci 547</td>
<td>Digital Image Processing</td>
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<tr>
<td>Csci 550</td>
<td>Program Semantics and Derivation</td>
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<tr>
<td>Csci 551</td>
<td>Computer System Performance Analysis</td>
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<tr>
<td>Csci 554</td>
<td>Web Architecture and Programming</td>
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<td>Csci 555</td>
<td>Functional Programming</td>
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<td>Csci 556</td>
<td>Multiparadigm Programming</td>
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<td>Csci 561</td>
<td>Computer Networks</td>
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<tr>
<td>Csci 562</td>
<td>Software Engineering I</td>
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<tr>
<td>Csci 575</td>
<td>Database Systems</td>
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<tr>
<td>Csci 581</td>
<td>Special Topics in Computer Science I</td>
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<tr>
<td>Csci 582</td>
<td>Special Topics in Computer Science II</td>
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<tr>
<td>Csci 632</td>
<td>Machine Learning</td>
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<td>Csci 658</td>
<td>Software Language Engineering</td>
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<tr>
<td>Csci 663</td>
<td>Software Families</td>
</tr>
<tr>
<td>Csci 665</td>
<td>Wireless and Sensor Networks</td>
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</table>

**Electrical and Computer Engineering**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Cp E 431</td>
<td>Computer Architecture</td>
</tr>
<tr>
<td>El E 100</td>
<td>Introduction to Electrical Engineering</td>
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<tr>
<td>El E 101</td>
<td>Survey of the Electrotechnology</td>
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<tr>
<td>El E 235</td>
<td>Principles of Digital Systems</td>
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<td>El E 236</td>
<td>Digital Systems Laboratory I</td>
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<tr>
<td>El E 237</td>
<td>Electrical Engineering Tools and Toys</td>
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<tr>
<td>El E 301</td>
<td>Applied Electronics</td>
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<tr>
<td>El E 302</td>
<td>Applied Communication Systems</td>
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<tr>
<td>El E 331</td>
<td>Linear Systems</td>
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<tr>
<td>El E 337</td>
<td>Digital Systems Laboratory II</td>
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<td>El E 340</td>
<td>Electrical Engineering Analysis I</td>
</tr>
<tr>
<td>El E 341</td>
<td>Theory of Fields</td>
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<tr>
<td>El E 351</td>
<td>Electronics Circuits I</td>
</tr>
<tr>
<td>El E 352</td>
<td>Electronics Circuits II</td>
</tr>
<tr>
<td>El E 353</td>
<td>Electronics Laboratory</td>
</tr>
<tr>
<td>El E 354</td>
<td>PC-Based Instrumentation Laboratory</td>
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<tr>
<td>El E 357</td>
<td>Electrical Engineering Problems I</td>
</tr>
<tr>
<td>El E 358</td>
<td>Electrical Engineering Problems II</td>
</tr>
<tr>
<td>El E 367</td>
<td>Computer-Aided Design in Electrical Engr</td>
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<tr>
<td>El E 385</td>
<td>Advanced Digital Systems</td>
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<td>El E 386</td>
<td>Advanced Digital Systems Laboratory</td>
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<tr>
<td>El E 391</td>
<td>Random Signals</td>
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<tr>
<td>El E 414</td>
<td>Biomedical Electronics</td>
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<td>El E 415</td>
<td>Telecommunications Laboratory</td>
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<td>El E 425</td>
<td>Local Area Networks</td>
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<td>El E 431</td>
<td>Theory of Control Systems</td>
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<td>El E 432</td>
<td>Robotics Laboratory</td>
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<tr>
<td>El E 433</td>
<td>High Frequency and Microwave Laboratory</td>
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<td>El E 434</td>
<td>Fiber Optics Laboratory</td>
</tr>
<tr>
<td>El E 436</td>
<td>Systems Laboratory</td>
</tr>
</tbody>
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https://catalog.olemiss.edu/2021/fall/undergraduate/engineering/courses
• 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  
• 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
• 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
• 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 Crvs 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 408: 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
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: Exprl Character of Polymer Composites
ME 540: 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