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/2020/spring/undergraduate/engineering/courses
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: Aeroelasticity
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

https://catalog.olemiss.edu/2020/spring/undergraduate/engineering/courses
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 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 Diffraction 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: Information Systems Principles
Engr 656: 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 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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Engr 687</td>
<td>Special Functions for Applications</td>
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<tr>
<td>Engr 688</td>
<td>Current Issues in Telecommunications</td>
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<tr>
<td>Engr 689</td>
<td>Control of Robotics Manipulators</td>
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<tr>
<td>Engr 690</td>
<td>Finite Element Analysis II</td>
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<tr>
<td>Engr 691</td>
<td>Special Topics in Engineering Science I</td>
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<td>Engr 692</td>
<td>Special Topics in Engineering Science II</td>
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<td>Engr 693</td>
<td>Research Topics in Engineering Science I</td>
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<td>Engr 694</td>
<td>Research Topics in Eng. Science II</td>
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<tr>
<td>Engr 695</td>
<td>Seminar</td>
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<td>Engr 696</td>
<td>Seminar in Environmental Engineering</td>
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<tr>
<td>Engr 697</td>
<td>Thesis</td>
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<td>Special Topics in Engineering Science</td>
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<tr>
<td>Engr 702</td>
<td>Finite Element Analysis of Fluid Flows</td>
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<tr>
<td>Engr 708</td>
<td>Adv Waste Treat Proc in Sanitary Eng</td>
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<td>Engr 711</td>
<td>Turbulence</td>
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<td>Engr 712</td>
<td>Statistical Theory Turbulent Diffusion</td>
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<tr>
<td>Engr 713</td>
<td>Hydrodynamic Stability</td>
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<td>Engr 714</td>
<td>Coastal Hydrodynamics</td>
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<td>Engr 715</td>
<td>Applied Hydro- and Aeromechanics I</td>
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<tr>
<td>Engr 716</td>
<td>Applied Hydro- and Aeromechanics II</td>
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<tr>
<td>Engr 717</td>
<td>Special Topics in Thermal Science</td>
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<tr>
<td>Engr 718</td>
<td>Coding for Error Code</td>
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<td>Engr 719</td>
<td>Advanced Microwave Measurements</td>
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<tr>
<td>Engr 720</td>
<td>Advanced Turbulence</td>
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<td>Engr 721</td>
<td>Advanced Electrodynamics</td>
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<td>Engr 722</td>
<td>Passive Microwave Circuits</td>
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<td>Engr 725</td>
<td>Antennas</td>
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<td>Engr 728</td>
<td>Adv Numerical Methods in Electromagnetic</td>
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<td>Engr 729</td>
<td>Special Topics in Electromagnetic Theory</td>
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<td>Engr 749</td>
<td>Special Topics in Soil Science</td>
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<td>Engr 779</td>
<td>Special Topics in Solid Mechanics</td>
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<td>Engr 501</td>
<td>Geospatial Primer</td>
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<td>Engr 504</td>
<td>Remote Sensing Fundamentals</td>
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<td>Engr 523</td>
<td>Sensors and Platforms</td>
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<td>Engr 603</td>
<td>Analysis of Algorithms</td>
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<td>Engr 606</td>
<td>Computer Networks</td>
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<td>Engr 610</td>
<td>Telecommunication Network Engineering</td>
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<tr>
<td>Engr 611</td>
<td>Geospatial Science Primer</td>
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<td>Engr 612</td>
<td>Remote Sensing Fundamentals</td>
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<td>Engr 613</td>
<td>Introduction to Remote Sensing Systems</td>
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<tr>
<td>Engr 614</td>
<td>Remote Sensing and Digital Images</td>
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<td>Engr 620</td>
<td>Geospatial Information Technology</td>
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<td>Engr 621</td>
<td>Orbital Mechanics</td>
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<tr>
<td>Engr 624</td>
<td>Introduction to Digital Image Processing</td>
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<tr>
<td>Engr 626</td>
<td>Community Growth</td>
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<td>Engr 627</td>
<td>Applied Probability Modeling</td>
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<td>Engr 633</td>
<td>Microwave Filters</td>
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<td>Engr 671</td>
<td>Digital Topographic Mapping</td>
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<td>Engr 672</td>
<td>Remote Sensing and the Environment</td>
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<tr>
<td>Engr 673</td>
<td>Advanced Digital Image Processing</td>
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<tr>
<td>Engr 674</td>
<td>Geospatial Data Synthesis and Modeling</td>
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<tr>
<td>Engr 675</td>
<td>Microwave Data</td>
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<td>Engr 681</td>
<td>Advanced Sensor Systems Data Collection</td>
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<tr>
<td>Engr 682</td>
<td>Remote Sensing to Ecological Modeling</td>
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<tr>
<td>Engr 683</td>
<td>Land Use and Land Cover Applications</td>
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<tr>
<td>Engr 684</td>
<td>Agricultural Applications Remote Sensing</td>
</tr>
<tr>
<td>Engr 685</td>
<td>Business Geographics</td>
</tr>
<tr>
<td>G E 681</td>
<td>Applications in Geophysics</td>
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</tbody>
</table>
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https://catalog.olemiss.edu/2020/spring/undergraduate/engineering/courses

- 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: Immunoenengineering
- 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: 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 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 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 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: 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 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

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https://catalog.olemiss.edu/2020/spring/undergraduate/engineering/courses
- 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**
- Cp E 431: Computer Architecture
- 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
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 491: Electrical Engineering Projects I
El E 492: 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

https://catalog.olemiss.edu/2020/spring/undergraduate/engineering/courses
• 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 223: 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
• 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 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 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: Exprl 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