School of Engineering

Overview
Academics & Admissions
Departments
Programs
Minors
Courses
Faculty
Awards

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 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 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

https://catalog.olemiss.edu/2020/spring/undergraduate/engineering/courses
Engr 390: Professional Communication for Engineers
Engr 399: 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 & Instr. 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: Aerelasticity
Engr 613: Exp Method in Aerodynamics/Aeroacoustics
Engr 614: Geometrics
Engr 615: Analytical Petroleum Geology
Engr 616: Isotope Hydrogeology
Engr 617: Continuum Mechanics
Engr 618: Vadose Zone Hydrology
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>Engr 620</td>
<td>Advanced Remote Sensing</td>
</tr>
<tr>
<td>Engr 622</td>
<td>Advanced Electromagnetic Theory</td>
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<tr>
<td>Engr 624</td>
<td>Active Microwave Circuits</td>
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<tr>
<td>Engr 625</td>
<td>Adv. Topics in Computational Mechanics</td>
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<td>Engr 626</td>
<td>Numerical Methods in Electromagnetics</td>
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<td>Engr 627</td>
<td>Ray Methods in Electromagnetics</td>
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<td>Engr 628</td>
<td>Televisions Systems II</td>
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<tr>
<td>Engr 630</td>
<td>Unit Process &amp; Oper in Env Eng I</td>
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<tr>
<td>Engr 631</td>
<td>Unit Process &amp; Oper in Env Eng II</td>
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<tr>
<td>Engr 632</td>
<td>Sludge Treatment and Disposal</td>
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<td>Engr 633</td>
<td>Process Dynamics and Control I</td>
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<tr>
<td>Engr 634</td>
<td>Treatment &amp; Disposal of Industrial Waste</td>
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<td>Engr 635</td>
<td>Optimization</td>
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<td>Engr 636</td>
<td>Groundwater Mechanics</td>
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<td>Engr 637</td>
<td>Groundwater Modeling</td>
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<td>Engr 638</td>
<td>Hazardous Waste Management</td>
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<td>Engr 639</td>
<td>Environmental Systems Engineering</td>
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<td>Engr 640</td>
<td>Stream and Estuarine Analysis</td>
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<td>Engr 641</td>
<td>Clay Petrology</td>
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<td>Engr 642</td>
<td>X-Ray Diffraction Analysis</td>
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<td>Engr 643</td>
<td>Advanced Geomorphology</td>
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<td>Engr 644</td>
<td>Carbonate Petrology</td>
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<td>Engr 645</td>
<td>Contaminant Transport</td>
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<td>Engr 646</td>
<td>Advanced Stratigraphy</td>
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<td>Engr 647</td>
<td>Pavement Management Systems</td>
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<td>Engr 648</td>
<td>Numerical Modeling in Geoscience &amp; Engr</td>
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<td>Engr 649</td>
<td>Advanced Foundation Engineering</td>
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<td>Engr 650</td>
<td>Radar Remote Sensing</td>
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<td>Engr 652</td>
<td>Advanced Compiler Design</td>
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<td>Engr 653</td>
<td>Computer Structures</td>
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<td>Engr 654</td>
<td>Information Systems Principles</td>
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<td>Engr 656</td>
<td>Operating Systems Design Concepts</td>
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<td>Engr 657</td>
<td>Timesharing Computer Systems</td>
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<td>Engr 659</td>
<td>Advanced Information Retrieval</td>
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<td>Engr 660</td>
<td>Software Engineering II</td>
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<td>Engr 661</td>
<td>Computer Networks II</td>
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<tr>
<td>Engr 662</td>
<td>Advanced Artificial Intelligence</td>
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<td>Engr 663</td>
<td>Advanced Rate and Equilibrium Processes</td>
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<tr>
<td>Engr 664</td>
<td>Theory of Concurrent Programming</td>
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<td>Engr 665</td>
<td>Thermodynamics of Chemical Systems</td>
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<td>Engr 666</td>
<td>Fault Tolerant Computing</td>
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<td>Engr 667</td>
<td>Mass Transfer I</td>
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<td>Engr 669</td>
<td>Chemical Reaction and Reactor Analysis I</td>
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<td>Engr 670</td>
<td>Chemical Reaction &amp; Reactor Analysis II</td>
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<td>Engr 671</td>
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<td>Viscoelasticity</td>
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<td>Engr 674</td>
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<td>Engr 677</td>
<td>Plates and Shells</td>
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<td>Engr 679</td>
<td>Wave Propagation</td>
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<td>Engr 680</td>
<td>Advanced Acoustics</td>
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<td>Engr 683</td>
<td>Advanced Physical Metallurgy</td>
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<td>Engr 684</td>
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<tr>
<td>Engr 685</td>
<td>Mechanics of Composite Materials II</td>
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<tr>
<td>Engr 686</td>
<td>Multimedia Technologies II</td>
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• 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 706: 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 723: Passive Microwave Circuits
• Engr 725: Antennas
• Engr 728: 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
• 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: 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: 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 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
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
• 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 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 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
- 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 511: 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 539: 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