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 201: Computer Aided Design for Engineering
- Engr 207: Graphics I
- Engr 296: Special Topics in Engineering Science
- Engr 297: Special Topics in Engineering Science
- Engr 307: Technical Communications
- Engr 309: Statics
- Engr 310: Engineering Analysis I
- Engr 310: Engineering Analysis I
- Engr 311: Intermediate Mechanics
- Engr 312: Mechanics of Materials
- 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 323: Fluid Mechanics
- Engr 330: Engineering Systems Analysis and Design
- 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 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 402: Engineering Fundamentals
• Engr 407: Legal and Moral Aspects of Engineering
• Engr 410: Engineering Analysis II
• Engr 415: Engineering Acoustics I
• Engr 420: Engineering Analysis III
• Engr 431: Fundamentals of Systems Engineering
• Engr 450: Product Design and Development
• Engr 451: General Engineering Senior Design I
• Engr 452: General Engineering Senior Design II
• 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 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 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
• 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 632: Process Dynamics and Control I
• Engr 632: Optimization
• Engr 636: Groundwater Mechanics
• Engr 637: Groundwater Modeling
• 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 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 654: Information Systems Principles
• Engr 656: Operating Systems Design Concepts
• Engr 657: Timesharing Computer Systems
• Engr 659: Advanced Information Retrieval
• Engr 660: Software Engineering II
• Engr 660: Software Engineering II
• Engr 661: Computer Networks 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: 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

https://catalog.olemiss.edu/2024/spring/undergraduate/engineering/courses
• 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 698: 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 722: Passive Microwave Circuits
• Engr 723: Antennas
• Engr 724: Adv Numerical Methods in Electromagnetic
• Engr 725: Special Topics in Electromagnetic Theory
• Engr 726: Special Topics in Soil Science
• Engr 727: Special Topics in Solid Mechanics
• Engr 728: Dissertation
• Engrs 501: Geospatial Primer
• Engrs 504: Remote Sensing Fundamentals
• Engrs 523: Sensors and Platforms
• Engrs 603: Analysis of Algorithms
• Engrs 606: Computer Networks
• Engrs 610: Telecommunication Network Engineering
• Engrs 611: Geospatial Science Primer
• Engrs 612: Remote Sensing Fundamentals
• Engrs 613: Introduction to Remote Sensing Systems
• Engrs 614: Remote Sensing and Digital Images
• Engrs 620: Geospatial Information Technology
• Engrs 621: Orbital Mechanics
• Engrs 624: Introduction to Digital Image Processing
• Engrs 626: Community Growth
• Engrs 627: Applied Probability Modeling
• Engrs 633: Microwave Filters
• Engrs 671: Digital Topographic Mapping
• Engrs 672: Remote Sensing and the Environment
• Engrs 673: Advanced Digital Image Processing
• Engrs 674: Geospatial Data Synthesis and Modeling
• Engrs 675: Microwave Data
• Engrs 681: Advanced Sensor Systems Data Collection
• Engrs 682: Remote Sensing to Ecological Modeling
• Engrs 683: Land Use and Land Cover Applications
• Engrs 684: Agricultural Applications Remote Sensing
• Engrs 685: Business Geographics
• GE 681: Applications in Geophysics
• Manf 150: Intro to Engineering / Manufacturing
• Manf 152: Intro to Engineering & Manufacturing II
• Manf 250: Graphics/Solid Modeling

https://catalog.olemiss.edu/2024/spring/undergraduate/engineering/courses
- 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 465: Applications in Ops & Supply Chain Mgmt
- 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 305: Bioengineering Thermodynamics & Kinetics
- BME 311: Biomechanics
- BME 313: Physiology for Biomedical Engineering
- BME 314: Biomedical Measurement
- BME 315: Physiology for Biomedical Engineering II
- BME 320: Bioseparations
- BME 333: Biological Transport
- BME 350: Immunengineering
- BME 353: Biodevices Design & Development
- BME 370: Intro to Bioinformatics & Biostatistics
- BME 411: Tissue Mechanics
- BME 413: Biomedical Signal Processing
- BME 444: Biomedical Controls
- BME 461: Biomedical Engineering Senior Design I
- BME 462: Biomedical Engineering Senior Design II
- BME 501: Computational and Systems Biomedicine
- BME 510: Drug and Gene Delivery
- BME 511: Computational Biomechanics
- BME 520: Biochemical Process Engineering
- BME 522: Immunengineering
- BME 523: Molecular and Cellular Biophysics
- BME 524: Microscopy for Engineers
- BME 600: Graduate Professional Development
- BME 601: Biomedical Engineering Seminar

**Chemical Engineering**
- Ch E 101: Introduction to Chemical Engineering
- Ch E 251: Programming for Chemical Engineering
- Ch E 307: Chemical Process Principles I
- Ch E 308: Chemical Process Principles II
- Ch E 316: Chemical Engineering Fluid Mechanics
- Ch E 317: Process Fluid Dynamics and Heat Transfer
- Ch E 318: Chem Engineering Heat and Mass Transfer
- Ch E 330: Chemical Eng. R & D Experience
- Ch E 345: Engineering Economy

https://catalog.olemiss.edu/2024/spring/undergraduate/engineering/courses
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 449: Process Design
Ch E 450: Process Optimization
Ch E 451: Plant Design I
Ch E 452: Product and Process Development
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 519: Research Seminar
Ch E 520: Biochemical Engineering
Ch E 521: Drug and Gene Delivery
Ch E 522: Immunengineering
Ch E 523: Molecular and Cellular Biophysics
Ch E 524: Microscopy for Engineers
Ch E 528: Polymer Processing
Ch E 536: Experimental Methods in Engineering
Ch E 540: Coating Materials Process & Applications
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
Engr 542: Molecular Modeling of Nano Materials
Engr 544: Synth and Fab of Nano Materials
Engr 545: Polymer Nanocomposites

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 371: Intro to Environmental Engineering
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 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 500: Geographic Information Systems Engr Sci
C E 511: Structural Dynamics
C E 513: Advanced Steel Design
C E 514: Pre-Stressed Concrete Design
C E 516: Bridge Engineering
C E 521: Advanced Mechanics of Materials
C E 531: Soil Mechanics II
C E 536: Designing with Geosynthetics
C E 541: Flow in Open Channels
C E 542: Flow in Porous Media
C E 543: Sediment Transport
C E 581: Civil Engineering Systems
C E 570: Infrastructure Management
C E 572: Stormwater Engineering and Management
C E 574: Wastewater Engineering
C E 575: Drinking Water Engineering
C E 578: Agricultural Conservation for Eng & Sci
C E 581: Transportation Engineering II
C E 585: Highway Pavements
C E 590: Airport Planning and Design
Engr 541: Foundations of Nano Engineering and Sci
Engr 547: Characterization Methods for Nanomaterials

Computer & Information Science
CIS 111: Computer Science I
CIS 112: Computer Science II
CIS 113: Honors Computer Science I
CIS 211: Computer Science III
CIS 251: Programming for Engineering and Sciences
CIS 333: Digital Design and 3D Printing
CIS 427: Network Security
CIS 447: Immersive Media
Csci 103: Survey of Computing
Csci 111: Computer Science I
Csci 112: Computer Science II
Csci 113: Honors Computer Science I
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 3D 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
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 557: GPU Computing
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 and Computer Engineering
- Cp E 421: Embedded Systems Design
- Cp E 431: Computer Architecture
- Cp E 432: Testing of Computing Systems
- Cp E 461: Senior Design in Computer Engineering I
- Cp E 462: Senior Design in Computer Engineering II
- ECE 361: Design and Design Tools in ECE
- E E 100: Introduction to Electrical Engineering
- E E 235: Principles of Digital Systems
- E E 236: Digital Systems Laboratory I
- E E 237: Electrical Engineering Tools and Toys
- E E 322: Electric Circuit II
- E E 331: Signals and Systems
- E E 337: Digital Systems Laboratory II
- E E 340: Electrical Engineering Analysis I
- E E 341: Theory of Fields
- E E 351: Electronics Circuits I
- E E 352: Electronics Circuits II
- E E 353: Electronics Laboratory
- E E 357: Electrical Engineering Problems I
- E E 367: Computer-Aided Design in Electrical Engr
- E E 385: Advanced Digital Systems
- E E 386: Advanced Digital Systems Laboratory
- E E 391: Probability and Random Signals
- E E 415: Telecommunications Laboratory
- E E 425: Local Area Networks
- E E 431: Theory of Control Systems
- E E 432: Robotics Laboratory
- E E 433: High Frequency and Microwave Laboratory
- E E 441: Electromagnetic Theory I
- E E 442: Electromagnetic Theory II
- E E 443: Network Analysis and Synthesis
- E E 447: Modulation, Noise, and Communications
- E E 451: Electrical Energy Conversion
- E E 453: Solid State Devices
- E E 461: Sr. Design in Electrical Engineering I
- E E 462: Sr. Design in Electrical Engineering II
- E E 481: Fund. Low Power Dig. VLSI Design
- E E 482: Digital CMOS VLSI Design
- E E 485: Microprocessor Systems Engineering
- E E 486: Microprocessor Systems Engr Lab
- E E 487: Digital Signal Processing Laboratory
- E E 521: Electrical Engineering Projects I
- E E 522: Electrical Engineering Projects II
- E E 523: Microwave Engineering
- E E 525: Introduction to Antennas
- E E 533: Electronic Properties of Materials
- E E 534: Wireless Mobile Communications
- E E 535: Digital Communications
- E E 536: Introduction to Quantum Computing
- E E 561: Microwave Circuit Design
- E 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
• GE 415: Petroleum Geology
• GE 420: Subsurface Site Characterization
• GE 421: Geological Engineering Design
• GE 430: Geological Field Studies I
• GE 436: Field Camp GE Design
• GE 437: Geological Engineering Design Field Camp
• GE 450: Hydrogeology
• GE 470: Intro. to Geographic Information System
• GE 490: Directed Studies and Projects
• GE 503: Environmental Geochemistry
• GE 507: Regional Geological Engineering
• GE 510: Remote Sensing
• GE 511: Spatial Analysis
• GE 513: Economic Geology
• GE 525: Engineering Seismology
• GE 530: Advanced Geomechanics
• GE 540: Rock Mechanics
• GE 555: Introduction to Mining Engineering
• 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 410: Coastal and Reef Dynamics
• Geol 420: Optical Mineralogy
• Geol 500: Intro. to Geographic Information Systems
• Geol 505: Hydrogeology
• 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 610: Earth Science Projects
• Geol 614: Advanced Geographic Information Systems
• Geol 615: Geostatistics
• Geol 630: Coastal Plain Geology
• Geol 643: Advanced Geomorphology
• Geol 645: Advanced Sedimentation
• Geol 646: Advanced Stratigraphy
• Geol 647: Sedimentary Petrology
• Geol 648: Metamorphic Petrology
• Geol 649: Pedology
• Geol 690: Scientific Writing
• Geol 697: Thesis

**Mechanical Engineering**

• Engr 546: Micro/Nanoscale Fabrication
• Engr 554: Computational Heat Transfer
• 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 401: Thermo-fluid Dynamics
• M E 402: Elements of Propulsion
• 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 426: Kinematics: 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 527: Materials Processing
• M E 529: Aerodynamics
• M E 530: Physical Metallurgy
• M E 531: Mechanical Behavior of Engr Materials
• 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 541: Theory and Use of CAD and Solid Modeling
• M E 543: Linear Systems and Controls