Mechanical Engineering

- [Overview](#)
- [Academics & Admissions](#)
- [Programs](#)
- [Courses](#)
- [Faculty](#)

Courses

- Engr 312: Mechanics of Materials
- Engr 313: Introduction to Materials Science
- Engr 314: Materials Science Laboratory
- Engr 323: Fluid Mechanics
- Engr 330: Engineering Systems Analysis and Design
- Engr 420: Engineering Analysis III
- Engr 553: Heat Transfer
- Engr 559: Elements of Robotics
- Engr 523: Engineering Thermal Management
- 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