

MECHANICAL ENGINEERING GRADUATE COURSES - 2026-27*

* These courses are subject to change throughout the year.

Fall 2026

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| ENGR 101 | Ethics in Engineering | Hough, Kenneth |
| MATRL 289O | Additive Manufacturing | Oropeza, Daniel |
| ME 200 | Professional Seminar | TBD |
| ME/ECE 210A | Matrix Analysis & Computation | Chandrasekaran, Shiv |
| ME 210D/MATH 206D/CMPSC 211D/ ECE 210D/CHEM 211D | Numerical Solutions of Partial Differential Equations – Finite Element Methods | Atzberger, Paul |
| ME 215A | Applied Dynamical Systems I | Mezic, Igor |
| ME 219/MATRL 207 | Mechanics of Materials | Begley, Matthew |
| ME 220A | Fundamental of Fluid Mechanics | Luzzatto-Fegiz, Paolo |
| ME 223 (previously 225EH) | Soft Robotics | Hawkes, Elliot |
| ME 225CV | Special Topics: Learning in Model Predictive Control | Vallon, Charlott |
| ME 225JS | Special Topics: Lithium-ion Batteries | Sakamoto, Jeff |
| ME 225TD | Special Topics: Advanced Engineering Thermodynamics | Liao, Bolin |
| ME 225RA | Special Topics: Radiative Energy Transfer | Bennett, Ted |
| ME 225YZ | Special Topics: Intro to Interfacial Phenomena | Zhu, Yangying |
| ME/BIO 241 | Engineering Biomaterials | Stowers, Ryan |
| ME 252B | Computational Fluid Dynamics | Meinhart, Eckart |
| ME 257 | Introduction to Multiphysics Simulation | Meinhart, Carl |
| ME/MATRL 265 | Composite Materials | Zok, Frank |
| ME 295 | Group Studies: Controls, Dynamical Systems, & Computation | Teel, Andrew |

Winter 2027

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| BIOE 220A | Cellular Bioengineering | Stowers, Ryan |
| ENGR 101 | Ethics in Engineering | Hough, Kenneth |
| MATRL 251 | Processing of Inorganic Materials | Sakamoto, Jeff |
| ME 200 | Professional Seminar | TBD |
| ME 203 | Operator Theory Methods in Dynamical Systems | Mezic, Igor |
| ME/ECE 210B / CMPSC/CH E 221B/ MATH 206B | Numerical Simulation | Meiburg, Eckart |
| ME 211 | Pattern Formation & Self-Organization | Kodio, Ousmane |
| ME/CMPSC 216/ ECE/CH E 226 | Level Set Methods | Gibou, Frederic |
| ME 220B | Fundamentals of Fluid Mechanics | Bennett, Ted |
| ME 225FA | Special Topics: Failure Analysis | Daly, Samantha |
| ME 225H/BIOE 240/MATRL 594H | Haptics: Touch Perception, Interaction, and Engineering | Visell, Yon |
| ME 225HT | Special Topics: Advanced Heat Transfer | Zhu, Yangying |
| ME 225NN | Special Topics: Modeling and Optimization of Neural Networks | Bullo, Francesco |
| ME 226 (previously 225ED) | Bio-Inspired Design in Fluid Mechanics | Dressaire, Emilie |
| ME/MATRL 230 | Elasticity & Plasticity | Beyerlein, Irene |
| ME 235 | Wind & Tidal | Luzzatto-Fegiz, Paolo |
| ME 264/MATRL 220 | Mechanical Behavior of Materials | Gianola, Daniel |
| ME 271/MATRL 240 | Finite Element Structural Analysis | McMeeking, Robert |
| ME 291A | Physics of Transducers | Valentine, Megan |
| ME 295 | Group Studies: Controls, Dynamical Systems, & Computation | Teel, Andrew |

Spring 2027

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|---|---|--------------------------|
| BIOE 220B | Cellular Bioengineering | Stowers, Ryan |
| ECE 289 | Introduction to Robotics: Dynamics & Controls | Bly, Katie |
| ENGR 101 | Ethics in Engineering | Hough, Kenneth |
| MATRL 286H | Fundamental & Applied Concepts in Ceramics for Electrochemical Technologies | Sakamoto, Jeff |
| MATRL 289X | Dynamic Mechanical Behavior | Zok, Frank |
| ME 200 | Professional Seminar | TBD |
| ME 201 | Advanced Dynamics | Mezic, Igor |
| ME/ECE 210C / CMPSC 211C/MATH 206C | Numerical Solutions of Partial Differential Equations: Finite Difference Methods | Ceniceros, Hector |
| ME 221 | Advanced Viscous Flow | Dressaire, Emilie |
| ME 225B | Special Topics: TBD | Begley, Matthew |
| ME 225FF | Special Topics: TBD | Bennett, Ted |
| ME 246 | Molecular & Cellular Biomechanics | Valentine, Megan |
| ME 275/MATRL 234 | Fracture Mechanics | McMeeking, Robert |
| ME 280 | Crystalline Defects | Beyerlein, Irene |
| ME 292 | Design of Transducers | Pennathur, Sumita |
| ME 295 | Group Studies: Controls, Dynamical Systems, & Computation | Teel, Andrew |