

List of Core Graduate Courses

Manufacturing & Design Area
Walker Department of Mechanical Engineering
The University of Texas at Austin

Manufacturing:

- ME392M.8 Medical Device Design and Mfg
- ME392M.9 Precision Machine Design
- ME392Q.10 Statistical Methods in Mfg
- ME392Q.11 High Throughput Nanopatterning
- ME392Q.12 Additive Manufacturing
- ME392Q.13 Data Analytics and Process Control in Semiconductor Manufacturing
- ME392Q.14 Bioinspired Micro and Nanostructures
- ME392Q.15 Optical Engineering
- ME397 3D Biomanufacturing: Biomaterials, Techniques, and Applications
- ME397 Additive Manufacturing Lab
- ME397 Introduction to Micro and Nanomanufacturing
- ME397 Polymer Nanocomposites
- ME397 X-ray Metrology for Materials and Manufacturing Engineering

Design:

- ME392M.6 Engineering Design Theory and Mathematical Techniques
- ME392M.7 Product Design, Development, and Prototyping
- ME392M.8 Medical Device Design and Mfg
- ME392M.9 Precision Machine Design
- ME392M.10 Computational Methods for Engineering Design
- ME397 Data-Driven Design and Decision-Making in Complex Systems
- ME383D Theory/Design of Mechanical Measurements
- ME392Q.14 Bioinspired Micro and Nanostructures

Other:

- ME380Q-1 Engineering Analysis: Analytical Methods
- ME383Q-2 Dynamics of Mechanical Systems
- ME383Q-4 Modeling of Physical Systems
- ME384Q-3 Time Series Modeling, Analysis, and Control
- ME384Q-7 Stochastic Systems, Estimation, and Control
- ME 398S Assessment and Curriculum Design in Engineering
- ME 398T Supervised Teaching in Mechanical Engineering