MSc in Mechanical Engineering – Course Schedule

Students are required to complete at least 30 credits of MESF courses. Subject to approval, students may take a maximum of 9 credits of courses from IBTM or MECH postgraduate courses offered by the Department of Mechanical and Aerospace Engineering to fulfill the program requirements.

**Tentative course offering schedule:**

**2021-22 Fall Term**

- MESF 5010  Foundation of Solid Mechanics
- MESF 5210  Fluid Dynamics
- MESF 5430  Thermodynamics and Kinetics of Materials
- MESF 5520  Fundamental Theories and Algorithms of CAD/CAM/CAE
- MESF 5560  Precision Manufacturing Technologies
- MESF 5580  Topology Optimization and Additive Manufacturing
- MESF 5930  Finite Element Methods

Courses are offered subject to needs and availability.

For course details, please refer to:

[Course Catalog](#)