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:

2020-21 Fall Term
- MESF 5010  Foundation of Solid Mechanics
- MESF 5210  Fluid Dynamics
- MESF 5370  Composites and Nanocomposites
- MESF 5430  Thermodynamics and Kinetics of Materials
- MESF 5520  Fundamental Theories and Algorithms of CAD/CAM/CAE
- MESF 5570  Precision Machining
- MESF 5930  Finite Element Methods

2020-21 Spring Term
- MESF5050  Fracture Behavior of Polymers
- MESF5380  Advanced Numerical Methods in Engineering
- MESF5410  Advanced Mechanical Behavior of Materials
- MESF5450  Intermediate Heat and Mass Transfer
- MESF5550  Robotics
- MESF5920  Fundamentals of Electronic Packaging

Courses are offered subject to needs and availability.

For course details, please refer to:

![Course Catalog]