

Catalog of Postgraduate Programs and Curricula

Curriculum for MSc(MECH) (For students admitted in 2010-11)

Program Requirements for Master of Science (MSc) Program in Mechanical Engineering

Credits

1. General Option

To complete a **minimum of 30 credits**, including:

- 30 credits of MESF courses; and
- Students may repeat MESF 695 *Independent Project* for a maximum of 6 credits.

2. Electronic Packaging Concentration

To complete a **minimum of 30 credits**, including:

- A minimum of 6 credits of courses from List A;
- A minimum of 6 credits from List B; and
- 6 credits of MESF 695 *Independent Project* in the area of electronic packaging.

Courses

1. List A:

MESF 592	<i>Introduction to Electronic Packaging</i>
MESF 596	<i>Fundamentals of Microsystems Packaging</i>

2. List B:

MESF 504	<i>Nanoscale Thin Films and Nano-Structured Materials</i>
MESF 541	<i>Advanced Mechanical Behavior of Materials</i>
MESF 543	<i>Thermodynamics and Kinetics of Materials</i>
MESF 593	<i>Finite Element Methods</i>

3. Other courses

Subject to the approval of the Program Director, students may take a maximum of 9 credits of IBTM or MECH PG courses offered by the Department of Mechanical Engineering to fulfill the degree requirement.

Study Load

Part-time students may take a maximum of 9 credits in each semester.

Credit Transfer

Subject to the approval of the Program Director and regulations of the University, a maximum of 9 credits earned elsewhere can be transferred to the program.