

## Master of Science in Mechanical Engineering Study Plan – Fall 22-23

The following is the study plan for a typical full-time student:

### First Year

Semester 1				Semester 2			
Course code	Course Title	Credit hours	Pre-requisite(s)	Course code	Course Title	Credit hours	Pre-requisite(s)
MEC 511	Advance Mathematics and Applied Statistics	3	Graduate Status	MEC 524	Finite element application in solid mechanics & heat transfer	3	Graduate Status
MEC 513	Advanced Fluid Mechanics	3	Graduate Status	MEC 522	Advanced Heat Transfer	3	Graduate Status
MEC 515	Linear Elasticity	3	Graduate Status	MEC 526	Renewable Energy	3	Graduate Status

### Second Year

Semester 3				Semester 4			
Course code	Course Title	Credit hours	Pre-requisite(s)	Course code	Course Title	Credit hours	Pre-requisite(s)
MEC 589	Master Thesis 1	3	Graduate Status	MEC 599	Master Thesis 2	3	Graduate Status
	<b>Technical Elective 1</b>	3	Graduate Status		<b>Technical Elective 2</b>	3	Graduate Status