

## Department of Mechanical Engineering

Unofficial Graduation Check – Mechanical Engineering MS Thesis/Non-Thesis Program

\_\_\_\_\_  
Name (Last, First)

\_\_\_\_\_  
EMPL ID

\_\_\_\_\_  
Term / Year

\_\_\_\_\_  
Major Professor

\_\_\_\_\_  
Expected Graduation Date

### I. Core Courses

Take EML 5060 - Analysis in Mechanical Engineering and **TWO** core courses from your major depth area.

Dynamics & Controls		
Course	T/Y	Grade
EML 5060 – Analysis in Mech. Engineering		
EGM 5444 – Advanced Dynamics		
EML 5317 – Advanced Control Sys		
EML 5361 – Multivariable Control		
EML 5930 – Adaptive Controls		

Fluid Mechanics & Heat Transfer		
Course	T/Y	Grade
EML 5060 – Analysis in Mech. Engineering		
EGM 5152 – Heat Transfer		
EML 5155 – Convective Heat Transfer		
EML 5709 – Fluid Mechanics		
EML 5930 – Adv. Eng. Thermodynamics		

Solid Mechanics & Materials Science		
Course	T/Y	Grade
EML 5060 – Analysis in Mech. Engineering		
EGM 5611 – Continuum Mechanics		
EGM 5653 – Theory of Elasticity		
EML 5930 – Advanced Materials		
EML 5930 – Solid Mechanics & Electromag.		

### II. Mechanical Engineering Courses

Select 2 graduate-level courses in Mechanical Engineering. **No DIS, Supervised Research (SR) or any other S/U graded course.**

Course	T/Y	Grade

### III. Electives

Select 3 graduate-level courses in engineering, mathematics and/or any science discipline. May include **one** DIS or Supervised Research (SR) course.

Course	T/Y	Grade

### IV. Thesis & Thesis Defense

Take six credit hours of EML 5971 – Thesis (3-6). Register for EML 8976 – Thesis Defense in final semester.

Course	Credits	T/Y	Grade
EML 5971 – Thesis (3-6)			
EML 5971 – Thesis (3-6)			
Thesis Committee Formation →			
EML 8976 – Thesis Defense (0)			

## MS NON-THESIS TRACK

### I. Mechanical Engineering Courses

Select 7 graduate-level courses in Mechanical Engineering. **No DIS, Supervised Research (SR) or any other S/U graded course.**

Course	T/Y	Grade

### II. Electives / Engineering Design Project

Select 4 graduate-level courses in engineering, mathematics and/or any science discipline. May include 6 credit hours of instructor approved EML 5930 – Engineering Design Project. **No DIS, Supervised Research (SR) or any other S/U graded course.**

Course	T/Y	Grade