

## **Progressive Degree Guidelines for AME Master's Programs**

The Department of Aerospace and Mechanical Engineering offers 8 master's degree programs. All AME MS programs have the following general degree requirements for students pursuing the PDP option:

1. You have 12 semesters total to finish your BS and PDP MS degrees (summers not included).
2. You must complete 24 units and finish with a 3.0 overall GPA.
3. You may take **no more than 6 units of 400 level courses** total towards your degree (i.e. 18 units of 500 level course work required).
4. All programs may be completed with a thesis-option.
5. Undergraduate and Masters courses cannot be double counted.

## **Degree Requirements for AME PDP Master's Programs**

### **MS in Aerospace Engineering (POST 42)**

- 24 units total with 3.0 GPA: AME 525 (4); 500 level courses in AME department (11); approved elective courses from Viterbi School of Engineering (9).

### **MS in Aerospace and Mechanical Engineering – Computational Fluid & Solid Mechanics (POST 1221)**

- 24 units total with 3.0 GPA: AME 525 (4); required core courses AME 509 or CE 507, AME 530a, AME 535a, CE 529a (13-14); pre-approved computational technical elective or technical elective (7-8).

### **MS in Aerospace and Mechanical Engineering – Dynamics and Control (POST 1250)**

- 24 units total with 3.0 GPA: AME 525 (4); required core courses AME 521, AME 522, AME 524, AME 541, AME 552 (20)

### **MS in Mechanical Engineering (POST 561)**

- 24 units total with 3.0 GPA: AME 525 (4); 500 level courses in AME department (11); approved elective courses from Viterbi School of Engineering (9).

### **MS in Mechanical Engineering – Energy Conversion (POST 1430)**

- 24 units total with 3.0 GPA: AME 525 (4); required core courses AME 513a, AME 577, AME 578 (10); approved energy conversion elective course (10)

### **MS in Product Development Engineering – Technology Track ONLY (POST 1224)**

- 24 units total with 3.0 GPA: required core courses AME 503, AME 525, ISE 545 and ISE 501 (13); 500 level approved technology technical electives (6-8); approved elective courses from AME, ISE, or SAE (remaining units).

### **Dual Degree Programs: Aerospace Engineering and Engineering Management (POST 1578)/ Mechanical Engineering & Engineering Management (POST 1577)**

- 42 units total with 3.0 GPA: approved graduate coursework in AME (18); approved graduate level coursework in ISE (18); approved elective courses approved by ISE (6).

*Note: Advising worksheets with required and recommended courses can be found for each major on the AME [website](#).*