### Professional MS with Engineering Leadership Concentration

30 credit hours needed (10 graduate level courses):
- 4 courses (12 credit hours) in your major area of study
- 2 courses (6 credit hours) in your minor area of study
- 1 math course (3 credit hours) from MA or STAT
- 9 credit hours of professional-oriented coursework
- GPA must be 3.0 or higher and no major class can earn less than B-
  - At least 1 member (major professor) on your Plan of Study
  - Plan of Study due by the end of 1st semester (2nd semester registration PIN will be held until your POS is submitted)

### MS Non-Thesis

30 credit hours needed (10 graduate level courses):
- 4 courses (12 credit hours) in your major area of study
- 2 courses (6 credit hours) in your minor area of study
- 2 math courses (6 credit hours)
- 2 technical electives in Engineering (excluding ENE), Science, additional MA/STAT, or independent studies (6 credit hours)
- GPA must be 3.0 or higher and no major class has less than B-
  - At least 1 member (major professor) on your Plan of Study
  - Plan of Study due by the end of 1st semester (2nd semester registration PIN will be held until your POS is submitted)

### MS Thesis

30 credit hours needed: 21 hours of graduate level coursework, and at least 9 credit hours of AAE 698 thesis research credits
- 3 courses (9 credit hours) in your major area of study
- 2 courses (6 credit hours) in your minor area of study
- 2 math courses (6 credit hours) from the following options: MA or STAT, ME 581, ME 539, PHYS 600/601, CHE 630/6320
- GPA must be 3.0 or higher at all times and no major class has less than B-
  - At least 3 members on your POS Advisory Committee (major professor and two other committee members)
  - Plan of Study due by the end of 1st semester (2nd semester registration PIN will be held until your POS is submitted)

### PhD (beyond completion of MS degree)

90 credit hours needed: 21-27 credit hours of coursework (depending), 30 credit hours from MS (if approved), and the rest AAE 699 thesis research credits
- Up to 30 hours from MS program can usually be counted towards your PhD Plan of Study
- 2 courses (6 credit hours) in your minor area of study in lieu of minor qualifying exam
- Up to 3 courses (9 credit hours) in any 500 or 600 level MA or STAT course (excluding MA 527/MA 528, ME 581, or STAT 511), PHYS 600/601, or CHE 630/6320. Two math courses may come from MS study (please see qualifying exam information on AAE website for more details)
- 4 courses decided in consultation with your major professor (12 credit hours)
- GPA must be 3.0 or higher at all times
  - At least 4 members on POS Advisory Committee (major professor and three other committee members)
  - Plan of Study due by the end of 2nd semester (3rd semester registration PIN will be held until your POS is submitted)
- Qualifying Examination: Take within 2 semesters of starting the PhD (if MS received from Purdue AAE), or within 3 semesters of starting the PhD (if MS received from outside the department). Courses required as a result of qualifying examination conditional passes must be added to the plan of study in excess of other course requirements
  - Preliminary Examination followed by Final Thesis Defense/Deposit (final and preliminary exam must have two registered semesters in-between)

*Please see the School of Aeronautics and Astronautics Graduate Program Rules and Guidelines for more details regarding graduate program requirements*