

School of Aeronautics and Astronautics
Graduate Program Degree Requirements Quick Reference Guide*

Professional MS with Engineering Leadership Concentration	MS Non-Thesis
<p>30 credit hours needed (10 graduate level courses):</p> <ul style="list-style-type: none"> • 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- <ul style="list-style-type: none"> ○ 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) 	<p>30 credit hours needed (10 graduate level courses):</p> <ul style="list-style-type: none"> • 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- <ul style="list-style-type: none"> ○ 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	
<p>30 credit hours needed: 21 hours of graduate level coursework, and at least 9 credit hours of AAE 698 thesis research credits</p> <ul style="list-style-type: none"> • 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- <ul style="list-style-type: none"> ○ 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)	
<p>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</p> <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> ○ 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). <i>Courses required as a result of qualifying examination conditional passes must be added to the plan of study in excess of other course requirements</i> • 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