

# MECHANICAL AND AEROSPACE ENGINEERING: UNMANNED AERIAL SYSTEMS, PHD

regulations for minimal GPA, language proficiency and other general requirements.

**Requirements for Students Matriculating in or before Academic Year 2023-2024.** Learn more about Graduate College Academic Regulation 7.0 (<http://catalog.okstate.edu/graduate-college/#70>).

**Total Hours:** 60

Code	Title	Hours
<b>UAS Core Courses</b>		
Select 12 hours from the following:		12
MAE 5083	Engineering Acoustics	
MAE 5233	Advanced Fluid Dynamics I	
MAE 5313	Autopilot Design and Test	
MAE 5343	Advanced Aero Propulsion and Power	
MAE 5913	Advanced Aerodynamics	
MAE 5923	Guidance and Control of Aerospace Vehicles	
MAE 5943	Unsteady Aerodynamics and Aeroacoustics	
MAE 5963	Unmanned Aerial Systems Design and Analysis	
MAE 5973	Unmanned Aerial Systems Propulsion	
MAE 5983	Aircraft Certification and Test	
MAE 6313	Atmospheric Flight Control	
<b>Hours Subtotal</b>		<b>12</b>
<b>MAE Electives <sup>1</sup></b>		
Select 9 hours (Any MAE graduate-level course supporting UAS research will be allowed with permission of the student's faculty advisory committee):		9
<b>Technical Electives</b>		
Select 9 hours (Any graduate-level course will be allowed with permission of the student's faculty advisory committee):		9
<b>Hours Subtotal</b>		<b>18</b>
<b>Research <sup>1</sup></b>		
MAE 6010	Advanced Study <sup>1</sup>	6
Twenty-four hours from:		24
MAE 6000	Doctoral Dissertation	
<b>Hours Subtotal</b>		<b>30</b>
<b>Total Hours</b>		<b>60</b>

<sup>1</sup>

To be taken the same semester as the Preliminary Examination in order to be assigned a letter grade.

## Graduate College Doctor of Philosophy (PhD) Requirements

Learn more about Graduate College 2023-2024 Doctor of Philosophy (PhD) Degree Program Requirements (<http://catalog.okstate.edu/graduate-college/>). Check the General Graduate College academic