



# Course Request for Fall 2025

Instructions for Rising Seniors in AOE

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# Course Request Basics

- Fall 2025 Course Request Dates:
  - March 25 - April 8
- Request courses at any point in this window:
  - No priority for early course request.
  - But...don't wait till the last minute!
- Changes can later be made during Add/Drop:
  - 4/25/25 - 5/30/25
  - 8/4/25 - 8/29/25

More Information From Engineering Education:

<https://eng.vt.edu/academics/undergraduate-students/resources-support/course-registration.html>

# Fall 2025 Timetable

**Virginia Tech Timetable of Classes**

- Select Campus, Term, Subject, Section Type and optionally enter course number or CRN then press "Find".
- Limit your search with the course number to speed up download time.  
**Example:** MATH 1 will give you all 1xxx MATH sections. MATH 12 will give you all MATH 12xx sections, MATH 120 will give you all MATH 120x sections and MATH 1205 will give you only MATH 1205 sections.
- **Textbook ISBN and pricing information**

**Important Dates and Registration Information**  
(opens in a new window)

- [Academic Calendar](#)
- [View Exam Schedules](#)
- [Free Time and Lunch CRNs](#)
- [View Building Abbreviations](#)
- [Universal Access Campus Map](#)

**Prerequisite Checking Enforced during Registration!**  
[Participating Departments enforcing Prerequisite Checking](#)

<b>Campus</b> <input type="text" value="Blacksburg"/> <small>On-Line Courses are listed under Virtual Campus</small>	<b>Term</b> <input type="text" value="Select Term"/> Spring 2021 Summer 2021	<b>The Curriculum for Liberal Education Area or Pathway to General Education</b> <input type="text" value="Show All Areas"/> 2 <small>Previously known as Core Curriculum</small>
<b>Subject</b> <input type="text" value="AOE - Aerospace and Ocean Engineering"/>	<b>Section Type</b> <input type="text" value="Show All Types"/>	<b>Display</b> <input type="text" value="ALL Sections (FULL and OPEN)"/> 2
<b>Course Number</b> <input type="text"/> <small>(Optional)</small>	<b>Course Request Number (CRN)</b> <input type="text"/> <small>(Optional) - must be at least 3 digits</small>	<b>Comments:</b> <input checked="" type="checkbox"/> 2
<b>Course Modality</b> <input type="text" value="ALL Modalities"/> <small>(Optional)</small>		

**FIND class sections**      **Reset**

- Once the Fall 2025 Timetable becomes available, go to [www.hokiespa.vt.edu](http://www.hokiespa.vt.edu) and select “Timetable of Classes” at the bottom of the page to access it.
- Find the CRNs for the courses you plan to request.
- Access course request through Hokie SPA.



# AE: Typical Senior Fall Courses

## Typical Senior Fall Courses

FALL SEMESTER FOURTH YEAR		Credits
AOE 4105 <sup>(1, 4)</sup> Experiments for Aerospace Design <i>Pre: 3054; Co: 4065 or 4165</i>	1 <sup>[F]</sup>	
AOE 4065 <sup>(1, 4)</sup> Air Vehicle Design, <i>Pre: 2104, 3054, 3114, 3124, 3134, 3164; Co: 4105</i> <b>or</b> AOE 4165 <sup>(1, 4)</sup> Space Vehicle Design, <i>Pre: 2104, 3054, 3114, 3124, 3144, 3154, 3164; Co:4105</i>	3 <sup>[F]</sup>	
MATH Elective <sup>(4)</sup> <i>Choice of: MATH 4574<sup>(4)</sup>, MATH 4404 (AOE 4404)<sup>(4)</sup>, or STAT 4705<sup>(4)</sup></i>	3	
Track Technical Elective	3	
Technical Elective	3	
Pathways <sup>(2)</sup> 6a and/or 7*	3	
<b>TOTAL</b>	<b>16</b>	

## Keep in Mind:

- MATH 4574 and STAT 4705 are offered both Fall and Spring. MATH/AOE 4404 is only offered in Spring.
- Sign up for the senior design course that matches your current vehicle dynamics course.

# OE: Typical Senior Fall Courses

## Typical Senior Fall Courses

FALL SEMESTER FOURTH YEAR		Credits
AOE 4205 <sup>(1, 4)</sup> Experiments for Ocean Vehicle Design <i>Pre: 3054; Co: 4265</i>	1	[F]
AOE 4265 <sup>(1, 4)</sup> Ocean Vehicle Design <i>Pre: 2204, 3214, 3224, 3234, 3264; Co: 4205</i>	3	[F]
STAT 4705 <sup>(4)</sup> Probability and Statistics for Engineers <i>Pre: MATH 2224 or MATH 2204 or MATH 2204H nor MATH 2406H</i>	3	
Track Technical Elective	3	
Technical Elective	3	
Pathways <sup>(2)</sup> 6a and/or 7*	3	
	<b>TOTAL</b>	<b>16</b>

## Keep in Mind:

- OE majors must take STAT 4705! It is offered both fall and spring.

# Technical Electives

# Technical Electives

- **There are 2 kinds of Technical Electives:**
  - Track Technical Electives
  - General Technical Electives
  - Out of all of your technical elective credits (track & general), at most 6 credits may come from approved non-AOE coursework
- **Track Technical Electives:**
  - Take 3 courses (9 credits) from one track
  - If your track has a foundational course, you are required to take it, but you do not need to take it first
- **General Technical Electives:**
  - Take 9 credits\*
  - Include any AOE credits taken for A-F credit that are not already counting for a different requirement in your curriculum
  - Include AOE independent study and undergraduate research
  - May be from the list of approved non-AOE courses in your curriculum

\* 9 credits of general technical electives are required for students on the 2020-2021, 2021-2022 & 2022-2023 catalog year curricula. Students on later catalog years have slightly different requirements. Check your curriculum and reach out to your academic advisor if you have any questions.



# Technical Tracks



Aero / hydrodynamics



Dynamics, control, and estimation



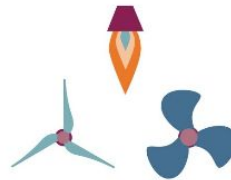
Energy and the environment



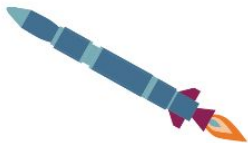
Naval engineering



Foundational option



Propulsion



Space engineering



Structures and materials



Vehicle and system design

## Disciplinary

- Foundational Track
- Aero/Hydrodynamics
- Dynamics, Control & Estimation
- Structures & Materials
- Vehicle & Systems Design

## Applications

- Naval Engineering
- Space Engineering
- Propulsion
- Energy & Environment

# Senior Fall FAQs

# In DARS my Pathways Concept 1 - Discourse (advanced) is incomplete. Do I need to add a specific course for this?

- No, you do NOT need to add an extra course for advanced discourse.
- The advanced discourse requirement is covered by a combination of AOE 3054 and senior design/experiments courses.
- As long as you complete all of the AE or OE major required courses, you will complete your advanced discourse requirement.

# Are there any courses that I can take over the summer?

- AOE 4034: Introduction to Mechanical & Structural Vibrations will be offered by VT (pending sufficient enrollment). This can count for the Structures & Materials Track or as a general technical elective course.
- These courses are typically offered by VT in the summer and may be beneficial depending on the requirements you still need: MATH 4564, STAT 4705, CS 1114, CS 1064, ECON 2005, PHYS 2306, Pathways
- If you take a course at a different institution, be sure to follow the [proper steps](#) for taking courses elsewhere.

# How should I decide which track and general technical electives to take in the fall?

- Run a DARS!
- How many technical elective courses are still needed for your chosen track? How many total technical elective credits do you still need?
- Remember most technical elective courses are offered in fall or spring, but not both terms.
- **If your track has a foundational course, determine when you need to take it.** Use the curriculum resources at the end of this presentation.
- **You may only count 6 credits of non-AOE technical electives** (track & general tech combined).
- When in doubt, contact your advisor!

# Can I take AOE 5xxx level technical electives?

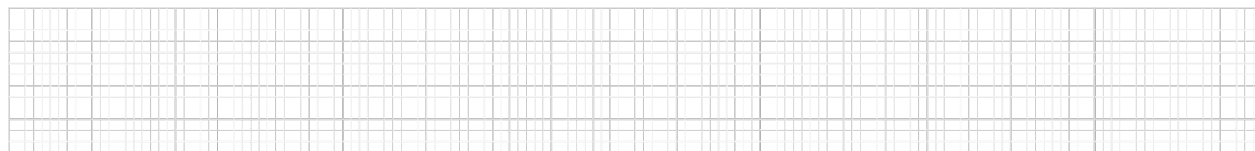
- If you are enrolled in the UG/G program you may take AOE 5xxx courses that work with your UG/G plan.
- If you are a senior with a GPA greater than or equal to 3.0 you may take AOE 5xxx courses with instructor permission.
- You will need to contact the [AOE graduate program coordinators](#) to be added to 5000-level courses during the add periods.

# I looked at my DARS and I currently have course in multiple tracks? What's going on?

- Some courses are options in multiple tracks. So, they may show up under different tracks at first.
- If a course can count as a track elective, DARS will place it there before putting it under general technical electives.
- Once you enroll in 3 courses that fulfill a single track, they should group together, showing that the track is in-progress or complete. Any other courses you have completed that could have been track courses should then move to technical electives or free electives.

# I took a special study (AOE 4984) that was supposed to count for my track. But, in my DARS I don't see it there. What's going on?

- Special studies do not automatically go in a track in DARS.
- If you have taken a special study that is supposed to count in a track, contact your advisor to request a substitution placing it in that track.





# Academic Planning Resources

- [AOE Undergraduate Curriculum Webpage](#)
- [Virginia Tech Timetable of Classes](#)
- [Undergraduate Course Catalog](#)
- [COE Academic Planning Website](#)
- [COE Course Registration Website](#)
- [GE How to Course Request Video](#)



COLLEGE OF ENGINEERING  
KEVIN T. CROFTON DEPARTMENT OF  
AEROSPACE AND OCEAN ENGINEERING  
VIRGINIA TECH.

# Other Factors Impacting Your Planning?

**double  
major**

**5-year  
plan**

**co-op**

**cadet**

**UG/G**

**transfer  
student**

**minors**



# Still Have Questions?

Contact your advisor!

Emily Metzgar (last names A-G): [emilymetzgar@vt.edu](mailto:emilymetzgar@vt.edu)

Chelsea Nowak (last names H-Ri): [cnowak@vt.edu](mailto:cnowak@vt.edu)

Brian Kastner (last names Ro-Z): [briank4@vt.edu](mailto:briank4@vt.edu)

Schedule an appointment through [Navigate](#).