



# Course Request for Spring 2025

Instructions for Juniors in AOE

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# Course Request Basics

- Spring 2025 Course Request Dates:
  - Oct. 22 - Nov. 5, 2024
- 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:
  - 12/2/24 - 1/27/25

More Information From Engineering Education:

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

# Spring 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](#)

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

- Once the Spring 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 Junior Spring Courses

## Typical Junior Spring Courses

SPRING SEMESTER THIRD YEAR	Credits
AOE 3114 <sup>(4)</sup> Aerodynamics and Compressibility <i>Pre: 3014, Co:3164</i>	3 <sup>[S]</sup>
AOE 3134 <sup>(4)</sup> Air Vehicle Dynamics <i>Pre: 3034, or</i> AOE 3144 <sup>(4)</sup> Space Vehicle Dynamics, <i>Pre: 3034, 3154</i>	3 <sup>[S]</sup>
AOE 3164 <sup>(4)</sup> Aerothermodynamics and Propulsion Systems <i>Pre: 3014, Co: 3114</i>	3 <sup>[S]</sup>
AOE 3054 <sup>(1)</sup> Experimental Methods <i>Pre: 2024, 2054, 3014, 3034</i>	3 <sup>[F, S]</sup>
Track Technical Elective	3
<b>TOTAL</b>	<b>15</b>

## Keep in Mind:

- Your choice of AOE 3134 or AOE 3144 will determine which senior design courses you take.
- For AOE 3054 you need to enroll in a 3-credit lecture CRN & a 0-credit lab CRN.
- If you took AOE 2024 in FA 2024, you **MUST** take AOE 3124 in SP 2025.
- The only course on this list that is **NOT** a prerequisite for senior design and/or AOE 4105 is the Track Tech Elective.

# OE: Typical Junior Spring Courses

## Typical Junior Spring Courses

SPRING SEMESTER THIRD YEAR		Credits
GEOS 3034 <sup>(4)</sup> Oceanography		3
AOE 3234 <sup>(4)</sup> Ocean Vehicle Dynamics <i>Pre: 3014, 3034, 3214</i>		3 <sup>[S]</sup>
AOE 3264 <sup>(4)</sup> Thermodynamics and Marine Propulsion <i>Pre: 2204, 3014</i>		3 <sup>[S]</sup>
AOE 3054 <sup>(1)</sup> Experimental Methods <i>Pre: 2024, 2054, 3014, 3034</i>		3 <sup>[F, S]</sup>
Track Technical Elective		3
	<b>TOTAL</b>	<b>15</b>

## Keep in Mind:

- For AOE 3054 you need to enroll in a 3-credit lecture CRN & a 0-credit lab CRN.
- The only courses on this list that are NOT prerequisites for senior design and/or AOE 4205 are GEOS 3034 and the Track Tech Elective.

# Junior Spring FAQs

# What should I do if I am taking AOE 3054, AOE 3164 and/or AOE 3114 in Fall 2024?

- Congratulations, you are ahead of schedule!
- You can bump up a Pathways course, track/general technical elective course or STAT 4705 (OE majors)/Math Elective (AE majors).
- If you are missing any earlier courses (e.g. MATH 4564) this is a good time to catch up.

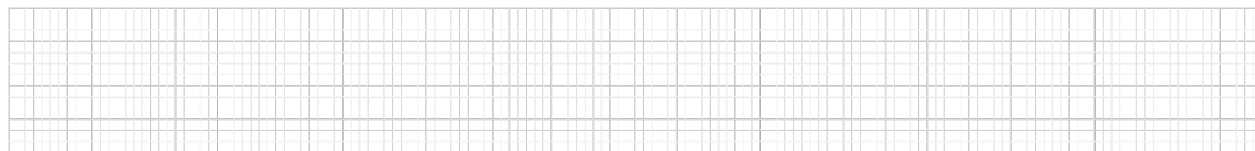


# What should I do if I am taking Thin-Walled Structures (AOE 2024) in Fall 2024?

- **AE:** You **MUST** take AOE 3124 in the spring.
- **OE:** AOE 3224 is not offered in the spring. You will need to ask your senior design professor if a prerequisite petition can be used to take AOE 3224 concurrently with AOE 4265 during Fall 2025. This is up to the professor and not guaranteed. Consult with your advisor about this process.

# Are there any courses I can take in the Winter Session?

- Not typically. You will not find AOE courses or math courses offered in the winter term.
- If you still need a Pathways course, many of these are offered in the Winter Session. Most are offered in online, asynchronous format.



# How should I decide what Track Elective to take?

- While the checksheet lists a “Track Technical Elective”, you can take either a track tech elective or a general tech elective.
- Run a DARS to see if you have already fulfilled any track and/or general tech elective requirements.
- If you know what track you plan to complete, see if a track course you are interested in is available for Spring 2025. You should have prerequisites for the majority of track/general tech elective options at this point.
- When in doubt, contact your advisor!

# 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.

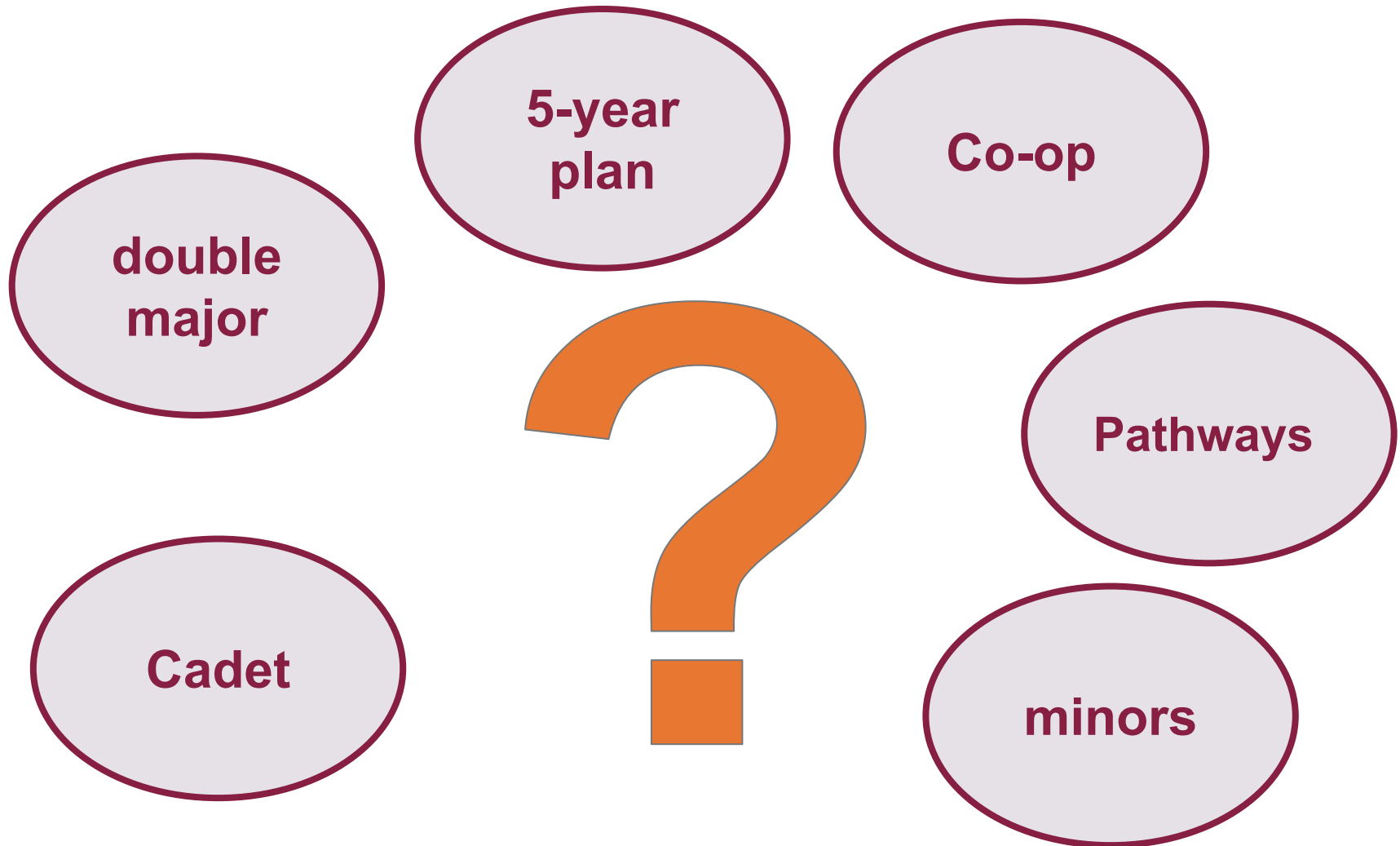
# AOE Curriculum Resources

- [AOE Undergraduate Curriculum Webpage](#)
- [Virginia Tech Timetable of Classes](#)
- [Undergraduate AOE Course Catalog](#)



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

# Other Factors Impacting Your Planning?



# 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](#).**