



Course Request for Fall 2025

Instructions for Rising Juniors 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](#)

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

Typical Junior Fall Courses

FALL SEMESTER THIRD YEAR		Credits
MATH 4564 ⁽³⁾ Operational Methods for Engineers <i>Pre: (2214 or 2214H) or 2406H or CMDA 2006</i>	3	
AOE 3014 ⁽³⁾ Fluid Dynamics for Aerospace and Ocean Engineers <i>Pre: (2104 or 2204), ESM 2304, (MATH 2214 or MATH 2214H)</i>	3 [F,S]	
AOE 3034 ⁽³⁾ System Dynamics and Control <i>Pre: ESM 2304, (MATH 2214 or MATH 2214H)</i>	3 [F,S]	
AOE 3124 ⁽⁴⁾ Aerospace Structures <i>Pre: 2024 or 3024</i>	3 [F,S]	
AOE 3154 ⁽⁴⁾ Astromechanics <i>Pre: ESM 2304</i>	3 [F,S]	
TOTAL	15	

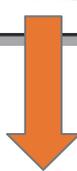
Keep in Mind:

- AOE 3014 & AOE 3034 are prereqs for required Junior spring courses
- AOE 3154 is a prereq for Space Vehicle Dynamics
- We typically do not recommend adding additional courses to this schedule

OE: Typical Junior Fall Courses

Typical Junior Fall Courses

FALL SEMESTER THIRD YEAR		Credits
MATH 4564 ⁽³⁾ Operational Methods for Engineers <i>Pre: (2214 or 2214H) or 2406H or CMDA 2006</i>	3	
AOE 3014 ⁽³⁾ Fluid Dynamics for Aerospace and Ocean Engineers <i>Pre: (2104 or 2204), ESM 2304, (MATH 2214 or MATH 2214H)</i>	3 [F, S]	
AOE 3034 ⁽³⁾ System Dynamics and Control <i>Pre: ESM 2304, (MATH 2214 or MATH 2214H)</i>	3 [F, S]	
AOE 3214 ⁽⁴⁾ Ocean Wave Mechanics <i>Co: 3014, MATH 4564</i>	3 [F]	
AOE 3224 ⁽⁴⁾ Ocean Structures <i>Pre: 2024</i>	3 [F]	
TOTAL	15	



Keep in Mind:

- AOE 3014, AOE 3034 & AOE 3214 are prereqs for required Junior spring courses
- We typically do not recommend adding additional courses to this schedule

AOE 3224: Ocean Structures will be offered in Spring 2026 instead of Fall 2025. You must take AOE 3224 in SP 2026; it is a prerequisite for senior design. In Fall 2025, take AOE 2024 if you still need it. If you already have AOE 2024, add a Pathway course or technical elective.

Junior Fall FAQs

What should I do if I am taking Dynamics and/or Differential Equations at a different institution this summer?

- You will not be able to course request AOE 3014, AOE 3034 and/or AOE 3154 (for AE students).
- Still request your other courses.
- Follow the [proper steps](#) for taking courses elsewhere.
- Once you finish your summer courses, submit your official transcript to the VT Registrar's Office.
- During end of summer add/drop, submit requests to be force-added to AOE courses using our online [AOE Force-Add Request Form](#). Attach a copy of your unofficial transcript showing completion of the equivalent course(s) with a grade of C or higher.

What should I do if I still need to take Thin-Walled Structures (AOE 2024)?

- **AE:** Course request AOE 2024 for Fall 2025. You will need to take AOE 3124 in the spring.
- **OE:** Course request AOE 2024 for Fall 2025. Take AOE 3224 in the spring. AOE 3224 is no longer being offered in fall semesters.

Do I have to take Operational Methods (MATH 4564) in the fall?

- We suggest taking MATH 4564 in the fall semester. But, it is also typically offered in the spring and summer. So, it could be taken during a different term.
- MATH 4564 is not a prerequisite for any required Junior spring courses or senior design. It is a prerequisite for Applied Numerical Methods (AOE/MATH 4404) and for Boundary Layer & Heat Transfer (AOE 3044).

What should I do if I am ahead (e.g. have already taken MATH 4564)?

- Check DARS to see if you have remaining Pathways requirements. If you do, this could be a good semester to add one.
- Add AOE undergraduate research. This can count toward general technical elective credit.
- Get ahead with a track or general tech elective.
- Take 12 credits instead of 15 and have more time to focus on extracurricular activities.

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?

- There typical junior fall courses can be taken over the summer:
 - MATH 4564 - typically available in the summer
 - AOE 3014 - available pending sufficient enrollment
- 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 2214, ESM 2304, 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.

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

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

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

Schedule an appointment through [Navigate](#).