



Course Request for Spring 2024

Instructions for Sophomores in AOE

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Course Request Basics

- Spring 2024 Course Request Dates:
 - October 17-31, 2023
- 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:
 - 11/24/23 - 1/22/24

More Information From Engineering Education:

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

Spring 2024 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>Campus</p> <p>Blacksburg ▼</p> <p><small>On-Line Courses are listed under Virtual Campus</small></p> <p>Subject</p> <p>AOE - Aerospace and Ocean Engineering ▼</p> <p>Course Number</p> <p><input type="text"/></p> <p><small>(Optional)</small></p> <p>Course Modality</p> <p>ALL Modalities ▼</p> <p><small>(Optional)</small></p>	<p>Term</p> <p>Select Term</p> <p>Spring 2021</p> <p>Summer 2021</p> <p>Course Request Number (CRN)</p> <p><input type="text"/></p> <p><small>(Optional) - must be at least 3 digits</small></p>	<p>The Curriculum for Liberal Education Area or Pathway to General Education</p> <p>Show All Areas ▼ 2</p> <p><small>Previously known as Core Curriculum</small></p> <p>Section Type</p> <p>Show All Types ▼</p> <p>Display</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 2024 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.



OE: Typical Sophomore Spring Courses

Typical Sophomore Spring Courses

SPRING SEMESTER SECOND YEAR		Credits
ESM 2304 ⁽³⁾ Dynamics <i>Pre: (2104 or 2114), (MATH 2224 or MATH 2224H or MATH 2204 or MATH 2204H), Co: MATH 2214</i>		3
MATH 2214 ⁽³⁾ Introduction to Differential Equations <i>Pre: (1114 or 2114 or 2114H or 2405H), 1226</i>		3
AOE 2024 ⁽³⁾ Thin-Walled Structures <i>Pre: ESM 2114 or (ESM 2104, ESM 2204), (MATH 2224 or MATH 2224H or MATH 2204 or 2204H); Co: MATH 2214</i>		3 ^(F, S)
PHYS 2306 ⁽³⁾ Foundations of Physics <i>Pre: MATH 1226, PHYS 2305</i>		4
Pathways ⁽¹⁾ 3 ECON 2005 Principles of Economics		3
	TOTAL	16

Keep in Mind:

- MATH 2214, ESM 2304 and/or AOE 2024 are prerequisites for all of the required junior fall courses.
- If you are currently a first semester transfer student, your spring schedule will probably be unique. Meet with your advisor to be sure you understand what you need to take!

Sophomore Spring FAQs

What should I do if I am missing courses typically taken during first-year?

- If you are missing a course from the first-year of the checksheet, this should be a priority. Please try to fit this course into the next semester.
- In the event that is not possible, you may look into Summer offerings either through Virginia Tech or another institution.
- Please consult with your advisor to ensure the course from another institution is equivalent to the Virginia Tech course.

What should I do if I don't complete ESM 2114 this semester?

- ESM 2114 is a prerequisite to several important courses: ESM 2304 and AOE 2024. You will need to take ESM 2114 in the Spring and complete ESM 2304 during the Summer.
- For an AE student, you can then take AOE 2024 in the Fall, which will subsequently move AOE 3124 to Spring of your 3rd year and keep you on a 4-year plan.
- For an OE student, AOE 3224 Ocean Structures is only offered in the Fall, so there is potential this change would add an additional year to your academic plans.

What should I do if I don't complete MATH 2204 this semester?

- MATH 2204 is a prerequisite to several important courses: ESM 2304 and AOE 2024. You will need to take MATH 2204 in the Spring and complete ESM 2304 during the Summer.
- For an AE student, you can then take AOE 2024 in the Fall, which will subsequently move AOE 3124 to Spring of your 3rd year and keep you on a 4-year plan.
- For an OE student, AOE 3224 Ocean Structures is only offered in the Fall, so there is potential this change would add an additional year to your academic plans.

What should I do if I don't complete MATH 2114 this semester?

- MATH 2114 is a prerequisite to MATH 2214. MATH 2214 will need to be completed before taking AOE 3014, 3034, or MATH 4564.
- To stay on a 4-year plan, complete MATH 2114 in the Spring and MATH 2214 during the Summer

What should I do if I am already done with some typical sophomore spring courses?

- If you have MATH 2214, you may take MATH 4564.
- If you have ESM 2304, you may take AOE 3154 (AE only).
- If you have MATH 2214 and ESM 2304, you may consider taking AOE 3014 and/or AOE 3034 early.
- OE students may consider taking GEOS 3034 early.
- Other courses to consider will be any remaining Pathways requirements or a track or general technical elective. Check prerequisites before selecting a track or technical elective.
- If you plan to do a minor, this may be a time to fit in minor courses.

Are there any track or general technical electives that I can take?

- Yes! If you are ahead, you can add a track or general tech elective, though you will have fewer options as a sophomore.
- Run a DARS to see if you have already fulfilled any track and/or general tech elective requirements.
- AOE options to consider include: AOE 2664, AOE 2114, AOE undergrad research (taken A-F)
- Non-AOE courses may be an option. Keep in mind that **you may only count 6 credits of non-AOE technical electives** (track & general tech combined).
- Use our [AOE Technical Electives Guide](#).
- When in doubt, contact your advisor!

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

- Typically no. 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.
- Statics (ESM 2104) is offered in Winter Session. In some special situations, a student may take this course if they do not earn credit for ESM 2114 during fall semester. The courses ESM 2104 & ESM 2204 can substitute for ESM 2114.

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.

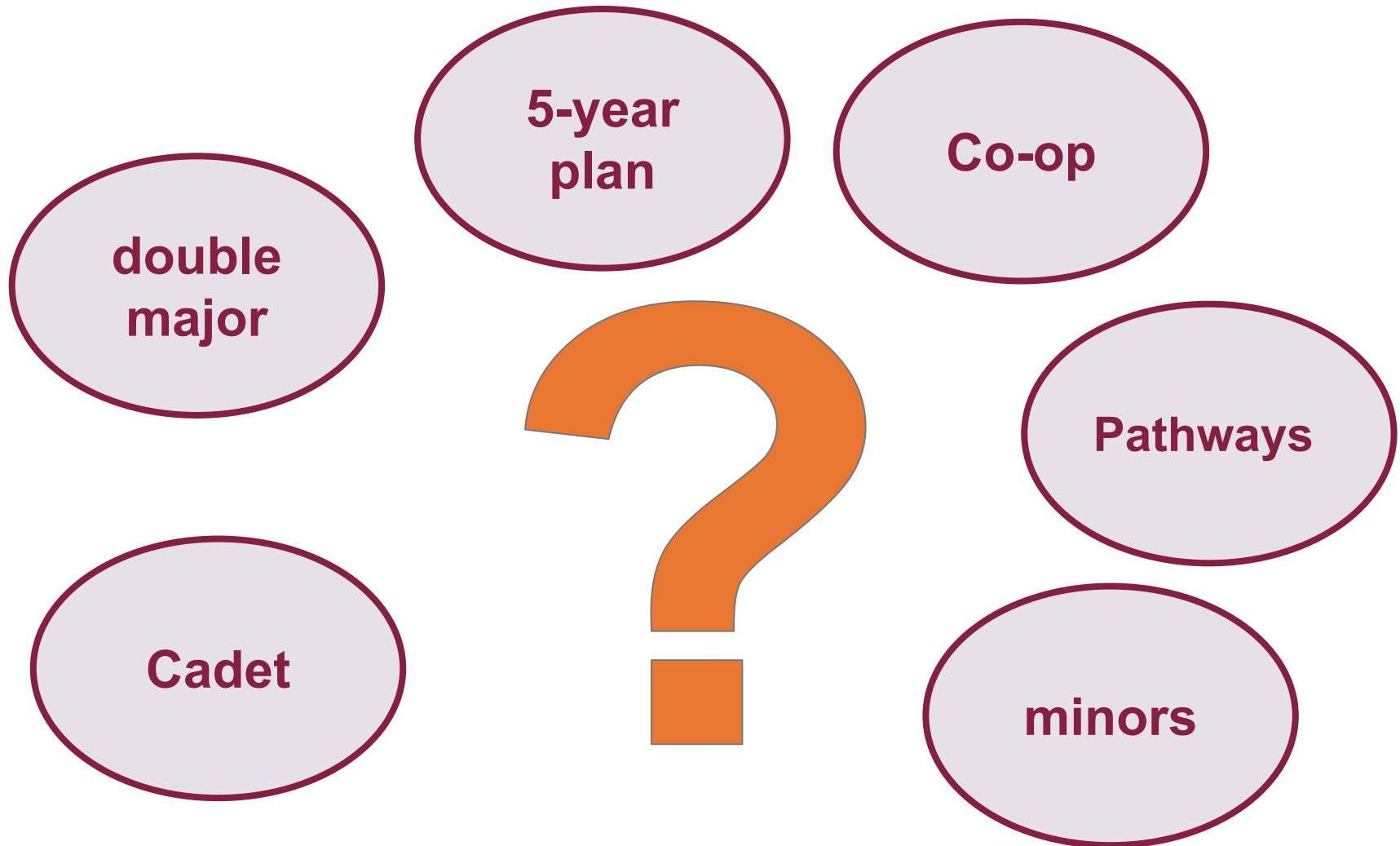
AOE Curriculum Resources

- [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

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

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

Schedule an appointment through [Navigate](#).