COLLEGE OF ENGINEERING OVERVIEW

Summer 2024 - Orientation: Virtual Academic Advising and Course Registration

Dr. Keith Thompson
Associate Dean for Academic Affairs

Dr. Marlena Lester
Director of Advising

Student attendance is on your honor
Engineering Undergraduate Programs, 2023 U.S. News & World Report Rankings

Virginia Tech Engineering is also the 9th largest producer of engineering graduates in the nation.

Student attendance is on your honor.
Engineering Expectations

- Adjustment
- Self Advocacy
- Timeliness
- Academic Expectations
- Integrity – (Honor Code)
Virginia Tech Email

• This is the official contact method for the university (username@vt.edu)

• Check and read on a daily basis.

• For notifications from university officials, advisors, and professors regarding upcoming events, deadlines… etc.

• If you have questions regarding the content of the message, simply reply to the sender.
Let’s talk about academics…

…and what it feels like
Be very careful with Chegg, ChatGPT, and other similar “study” sites…
Families as Partners

• At Virginia Tech, we recognize the important role families play in the success and development of our students—and that family can mean many things to students.

• Allow your student to grow, take responsibility, and gain independence.

• Encourage your student to check and read their VT email on a **daily basis**.

• Have open communication with your student regarding their well-being and academic performance on a regular basis. Try to create a “safe space” to have a candid discussion about grades and academic performance after each semester ends.

  ➢ To stay on track, a student should pass 15-17 credits each semester and maintain a GPA of 2.0 or higher, roughly a C average or better. In some cases, the GPA needs to be higher.
Grades and Academic Standing

- University academic standing is determined by a student’s overall GPA:
  - Above 2.0 → Good Standing
  - The first Fall or Spring semester that ends below 2.0 → 1st Probation
  - If a student stays below 2.0 for the next Fall or Spring semester → 1st Suspension

- Last year about 5% of engineering students finished their first Fall 2023 semester on 1st Probation (about 120 students).

- Of those 120, about 60 improved their performance sufficiently in Spring 2024 to return to Good Standing or will at least continue with an additional probationary term, but 40 ended their second semester on 1st Suspension (the remaining 20 either left engineering or VT).

- After a student changes into a degree-granting major, there are additional rules related to making progress towards degree. Students can be required to change their major if they are not performing well in that major.
According to the Family Educational Rights & Privacy Act FERPA, University personnel cannot discuss grades, academic standing, financial aid matters, and other protected information with anyone other than the student, unless the student has provided authorization. Without the FERPA Information Release, we cannot discuss student information with parents, guardians and/or authorized payers.

To comply with FERPA, parents must provide a FERPA pass code with each information request (phone, email, in-person). This is an 8-character pass code created by the student through HokieSPA [Hokie Spa Tab>FERPA (Family Education Rights and Privacy Act Disclosure.)]

Determine if you should have guest account access on Hokie Spa https://www.registrar.vt.edu/Guest-Access.html
  • The guest account feature on Hokie SPA allows a student to release specific types of information, such as grades, financial aid information, and account summary, to selected individuals. An individual will continue to have the specific access they were granted throughout a student's academic career, unless the student removes the access.
Resources and Support

https://www.eng.vt.edu/resources
Engineering Orientation:

Virtual Academic Advising and Course Registration

- College Overview Session
- Q&A Sessions
- Academic Advising (One-On-One)
- Course Registration
Engineering Orientation Timeline

May 6 - 20
• Receive the College of Engineering Welcome email
• Complete the engineering orientation checklist items

June 7
• Receive details for the mandatory virtual academic advising for your major

June 12 - July 26
• Attend mandatory virtual one-on-one academic advising for your major, dates vary by major (this can be done after you begin registering for courses)

June 12 - August 30
• Register for Fall 2024 courses (this will be an ongoing process and can begin prior to meeting with an academic advisor)

June 12 - July 24:
• Attend one of the mandatory virtual COE overview sessions and attend optional virtual COE Q&A sessions

www.eng.vt.edu/orientation
College of Engineering Q&A Sessions

**Computer Requirement**
Wed, June 12: 3-4 p.m.

**Hokie Shops**
Wed, June 26: 3-4 p.m.

**Peer Mentoring (CEED)**
Wed, July 10: 3-4 p.m.

**Career Support**
Wed, July 17: 3-4 p.m.

**Study Abroad**
Wed, July 24: 3-4 p.m.

Recordings: [https://eng.vt.edu/orientation](https://eng.vt.edu/orientation)
Transfers:
2024 COE - Virtual Academic Advising and Course Registration

General Engineering:
General Engineering Virtual Advising

Building Construction:
2024 Building Construction - Virtual Academic Advising and Course Registration
Transcripts and Score Reports

• **Send all official high school, college, and university transcripts to:**
  Office of Undergraduate Admissions, Virginia Tech, 925 Prices Fork Road, Blacksburg, VA 24061

• **Send all years of official scores reports for AP, IB, CLEP, etc:**
  Office of University Registrar using the Virginia Tech school code  5859.
Student Responsibilities on Official Student Records

• Students are responsible for keeping and being familiar with their own records and for the accuracy of these records.

• It is critical that you ensure that any expected transfer credits are reflected correctly on Hokie Spa.

• Hokie Spa, Grades Menu, Transfer and Other Additional Credits
• Send Syllabus to credits@vt.edu
Restricted Degrees

1. Aerospace and Ocean Engineering
2. Biological Systems Engineering
3. Biomedical Engineering
4. Chemical Engineering
5. Civil Engineering
6. Computer Engineering
7. Computer Science
8. Construction Engineering and Management
9. Electrical Engineering
10. Industrial and Systems Engineering
11. Materials Science and Engineering
12. Mechanical Engineering
13. Mining Engineering
Non- Restricted Degrees

• Building Construction
Components of a Degree:
- Pathways General Education
- Degree Core
- Major Courses
- Electives

Credits Range = 122-129

Recommended course load = 15-17 credit hours
@ 122 credits, 15.25 credits per semester (8 semesters)
@ 129 credits, 16.1 credits per semester (8 semesters)
**Unofficial Advising Guide (2024-2025)**

You can find unofficial advising guides on the engineering orientation website.

Include:
- Program Curriculum
- Pathways General Education Courses
- Degree Core Courses
- Major Courses
- Elective Courses
- Roadmap

Requirements are determined by the academic year you enter the university (not currently available).
- **Fall 2024= UG Catalog 2024-2025**
- **Term Offerings**

### UNOFFICIAL ADVISING GUIDE (2024-2025)

All degree programs are comprised of courses for Pathways General Education, Degree Core, Major, and Electives. The 2024-2025 Undergraduate Catalog* and the updated Degree Audit Reporting System (DARS) are the official way to view the program requirements. The catalog will be available July 2024 and the DARS will be available by December 2024.

**Prerequisite:** Course(s) needed prior to taking the listed courses.

**Corequisite:** Course(s) needed along with or prior to the listed course.

**Minimum Grades:** If a minimum grade above passing is necessary, it is denoted in parenthesis next to the title.

**Term Offerings:** The term(s) each in-discipline course is typically taught.

- F = Fall
- S = Spring
- S1 = Summer 1
- S2 = Summer 2
- S3 = Summer 3
- W = Winter

### PROGRAM CURRICULUM

The program curriculum provides the course requirements for Computer Science.

#### Pathways General Education Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Concept</th>
<th>Credits</th>
<th>Prerequisite and Corequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1105</td>
<td>First-Year Writing</td>
<td>1F</td>
<td>3</td>
<td>None</td>
</tr>
<tr>
<td>ENGL 1106</td>
<td>First-Year Writing</td>
<td>1F</td>
<td>3</td>
<td>Pre: ENGL 1105</td>
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<td>Pathways Concept 1</td>
<td>Select three credits from Pathway 1A (use Communication Elective, Professional Writing Elective, or Free Elective)</td>
<td>1A</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pathways Concept 2</td>
<td>Select three credits from Pathways Concept 2</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pathways Concept 2</td>
<td>Select three credits from Pathways Concept 2</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pathways Concept 3</td>
<td>Select three credits from Pathways Concept 3</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pathways Concept 3</td>
<td>Select three credits from Pathways Concept 3</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>
Academic Advising

Who is your academic advisor?

- You can view your academic advisor assignment on Hokie Spa under View General Student Information or on Navigate.

Topics to discuss with your academic advisor?

- Academic progress
- Grades
- Course registration
- Campus Involvement
- Academic and career goals
- Etc.

How do I make an appointment?

- Use Navigate to schedule an advising appointment.
Full Time Status

- 12 credit hours = Full-time status at Virginia Tech
  
  Full-time status is required for students who live on-campus, receive financial aid, are NCAA athletes, or are international students in the United States on a visa.

- 15-17 credit hours each semester = Typical Engineering Recommendation
  
  This is necessary to complete our degrees in four years, as they range from 122-129 credit hours required for graduation. For students participating in the Corps of Cadets or ROTC students might typically take 17-19 credit hours each fall or spring semester.

- 19 credit hours is the maximum number of credits new students can take
Course Registration

June 12-August 30

• **Hokie Spa > Course Registration and Schedule Menu**

• **Add/Drop**
  - Tools: Hokie Scheduler or Registration (Add/Drop) and Schedule

• **Major and Course Restrictions**
  - Some courses are major-restricted, meaning only students officially enrolled within a major or set of majors can enroll.
  - Use the timetable of classes to search by term, pathways, subject, course number, course request number (CRN), and course modality. In the search results, you can select the CRN (far lefthand side) to view course pre-requisites, co-requisites, and restrictions.

Complete the “prepare for registration” items before beginning!
### View your class schedule

**Hokie Spa -> Classic Student Schedule**

<table>
<thead>
<tr>
<th>CRN</th>
<th>Course</th>
<th>Modality</th>
<th>Title</th>
<th>Grade Opt</th>
<th>Credit Hrs</th>
<th>Time</th>
<th>Days</th>
<th>Location</th>
<th>Instructor</th>
<th>Part of Term</th>
<th>Exam</th>
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<tr>
<td>82629</td>
<td>CHEM 1035</td>
<td>Face-to-Face Instruction</td>
<td>General Chemistry</td>
<td>A-F</td>
<td>3.00</td>
<td>11:15 AM - 12:05 PM</td>
<td>MWF</td>
<td>DAV 281</td>
<td>Alec T. Wagner</td>
<td>1</td>
<td>CTE</td>
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<td>82662</td>
<td>CHEM 1045</td>
<td>Face-to-Face Instruction</td>
<td>General Chemistry Laboratory</td>
<td>A-F</td>
<td>1.00</td>
<td>8:00 AM - 9:50 AM</td>
<td>R</td>
<td>HAHN N 308</td>
<td>Victoria K. Long</td>
<td>1</td>
<td>08R</td>
</tr>
<tr>
<td>83203</td>
<td>CS 1114</td>
<td>Face-to-Face Instruction</td>
<td>Intro to Software Design</td>
<td>A-F</td>
<td>0.00</td>
<td>5:30 PM - 8:00 PM</td>
<td>W</td>
<td>TORG 1040</td>
<td>Stephen H. Edwards</td>
<td>1</td>
<td>CTE</td>
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<tr>
<td>90769</td>
<td>CS 1114</td>
<td>Face-to-Face Instruction</td>
<td>Intro to Software Design</td>
<td>A-F</td>
<td>3.00</td>
<td>3:30 PM - 4:20 PM</td>
<td>TR</td>
<td>NCB 260</td>
<td>Heath Hillman</td>
<td>1</td>
<td>CTE</td>
</tr>
<tr>
<td>84629</td>
<td>ENGE 1215</td>
<td>Face-to-Face Instruction</td>
<td>Foundations of Engineering</td>
<td>A-F</td>
<td>2.00</td>
<td>2:00 PM - 3:15 PM</td>
<td>TR</td>
<td>GOODW 145</td>
<td>Staff</td>
<td>1</td>
<td>14T</td>
</tr>
<tr>
<td>90673</td>
<td>ENGL 1105</td>
<td>Face-to-Face Instruction</td>
<td>First-Year Writing</td>
<td>A-F</td>
<td>3.00</td>
<td>10:10 AM - 11:00 AM</td>
<td>MWF</td>
<td>PAM 3028</td>
<td>Joshua D. Thompson</td>
<td>1</td>
<td>10M</td>
</tr>
<tr>
<td>87024</td>
<td>MATH 1225</td>
<td>Face-to-Face Instruction</td>
<td>Calculus of a Single Variable</td>
<td>A-F</td>
<td>4.00</td>
<td>12:30 PM - 1:20 PM</td>
<td>T</td>
<td>MCB 218</td>
<td>Staff</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours:** 16.00
Upcoming Academic Dates and Deadlines

• Fall Semester Begins          August 26
• Last Day to Add a Course      August 30
• Last Day to Drop a Course     October 8

• Complete list of dates can be located at:  
  https://www.registrar.vt.edu/dates-deadlines
Welcome new parents and students!

STAY INFORMED
WITH ENGINEERING
NEWS, EVENTS,
AND UPDATES!

Virginia Tech College of Engineering
Engineering Opportunities - Virginia Tech
VTEngineering

Virginia Tech College of Engineering
VTEngineering

https://eng.vt.edu/about/media-center/social
Final Reminders

• Finalize your class schedule with 15-17 credit

• Orientation Website, Degree Requirements, etc
  https://eng.vt.edu/orientation

• Students mark your calendar:
  • College Session - August 21, 22, or 23: 9:00 AM -11:00 AM in Burruss Hall Auditorium; the date you attend is dependent on your specific on-campus move-in day; specific details located on the Engineering Orientation Checklist
  • College Social - August 23 from 2:00 PM-4:00 PM at Goodwin Hall/Lawn; specific arrive times located on the Engineering Orientation Checklist
Questions?