FIRST SEMESTER GROUP ADVISEMENT

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University at Buffalo
School of Engineering and Applied Sciences
Agenda

- **Fall 2017 Semester Reminders**
  - Resignation Deadline/Implications
  - Tutoring and Academic Support Resources

- **SEAS Major Status**
  - Direct Admit vs. Intended
  - Admission Criteria for Intended Majors
  - SEAS Academic Review

- **Spring 2018 Enrollment**
  - Personalized Flowsheet Overview
  - Spring 2018 Course Plan by Major
  - UB Curriculum: Pathway Selection
  - HUB Academic Advisement Report (AAR)
  - Registration Tips and Tricks
Fall 2017 Semester Reminders: 
Resignation

• Deadline: Friday, November 10^{th} @ 11:59 p.m.

• Academic Implications
  • Delay graduation
  • Off-sequence - see online flowsheets for prerequisite and corequisite information

• Financial Implications
  • Full time status = 12 credits
  • Federal Financial Aid - Satisfactory Academic Progress (SAP)
  • NYS Financial Aid - TAP, STEM, Excelsior Awards

• Visa Implications (International Students)

• What circumstances would lead to resignation?

_Students are not permitted to resign EAS 199/CSE 199/any UB Seminar on their own! Must obtain permission from an advisor prior to 5:00 pm on Nov. 10^{th}_
Fall 2017 Semester Reminders: Tutoring and Academic Support

- **Small Group Sessions**: MTH 141, MTH 142, CHE 107, PHY 107
- **SEAS Tutoring Services**
- **The Math Place**, 211 Baldy Hall
- **Center for Excellence in Writing**, 209 Baldy Hall
- **English Language Institute**, 320 Baldy Hall
  - Chat Room
  - Open Listening Lab
- **Campus Living’s Academic Success Centers**:
  - Blake Center, 167 MFAC, Ellicott Complex
  - Jones Center, Clinton Basement, Governors
  - Goodyear Center, 141 Goodyear Hall, South Campus
- **UB Counseling Services**, 120 Richmond Quad
SEAS Major Status:  
*Direct-Admit vs. Intended*

- Admission decisions are based on a holistic review of each application, with factors such as an applicant’s high school academic performance, standardized test scores, Regents and Common Core Examination scores, personal statements, letters of recommendation, and noncognitive attributes considered.

- First year students deemed to have a high likelihood of success within an engineering or applied science major are placed into the *approved major*.

- When concerns are identified in an applicant's academic history (e.g., low high school average, SAT/ACT score, and/or regents exam scores), the applicant is placed into the *intended major*. Intended engineering and applied science majors are permitted to enroll in math, science, general education, and 100- and 200-level SEAS courses required for the major.
How do I know if I’m Admitted or Intended?

Log on to our SEAS Portal system:

Undergraduate Education

View your Student profile:

Student Profile for Fall 2017

Majors

<table>
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<th>Academic Unit</th>
<th>Requirement Term</th>
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<td>Undergraduate</td>
<td>Fall 2017</td>
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<tr>
<td>Engnr &amp; Appl Sci Bachelor</td>
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</tr>
<tr>
<td>Chemical Engineering INT BS</td>
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We are here to help. The Office of Undergraduate Education provides advisement for all of the departments within the School of Engineering and Applied Sciences.
Admissions Criteria for Intended Majors: Core Courses

• Engineering Majors
  • Calculus 1 (MTH 141 or MTH 153)
  • Calculus 2 (MTH 142 or MTH 154)
  • General Chemistry 1 (CHE 101, CHE 105, or CHE 107)
  • General Physics 1 (PHY 107 or PHY 117)

• Computer Science Majors
  • Calculus 1 (MTH 141 or MTH 153; students applying for the B.A. computer science degree may complete MTH 121 or MTH 131)
  • Introduction to Computer Science for Majors 1 (CSE 115)
  • Introduction to Computer Science for Majors 2 (CSE 116)
  • Discrete Structures (CSE 191 or MTH 191)

To gain admission to an Engineering or Computer Science major, students must complete the four required core courses with grades of C– or better and a combined core course grade point average of at least 2.5.

Students are permitted to repeat at most one core course one time.

Note: A ‘R’ (resign) grade does not count as a repeat. Students are also permitted to repeat test and college credit originally earned while attending high school without penalty from this policy.
Admissions Criteria for Intended Majors: GPA Requirements

• In addition to the 2.5 Core Course GPA, students must meet the Overall GPA:
  • Aerospace, Mechanical, and Computer Engineering; Computer Science: 2.8 GPA
  • All other Engineering majors: 2.5 GPA

• What is included in the Overall GPA?
  • ALL college credit is included in the overall GPA calculation. This includes:
    - Coursework taken at another institution and transferred to UB
    - All UB coursework, including major-related and UB Curriculum Courses

• Does AP, A-Level, or other test credit count toward SEAS admission criteria?
  • This credit can be used to satisfy completion of the core courses, however it is not factored into the core course or overall GPA.
SEAS Academic Review: 
Applies to all Admitted SEAS Majors

- **Good Standing:**
  - Cumulative and Semester Technical GPAs $\geq 2.0$

- **Academic Probation:**
  - Semester TGPA $< 2.0$/Cumulative TGPA $> 1.4$
  - Semester TGPA $\geq 2.0$/Cumulative TGPA $< 2.0$

- **Academic Dismissal:**
  - Semester TGPA $< 2.0$/Cumulative TGPA $< 1.4$
  - Semester and Cumulative TGPAs are $< 2.0$ while on academic probation
  - Not following the SEAS curriculum for two consecutive semesters
Spring 2018 Enrollment: Flowsheet Overview

Online Interactive Flowsheets

- Course Sequencing
- Link to Catalog Description and Class Schedule
- Important Advisement Notes
- Flowsheet Directory

### Freshmen Flowsheet for Mechanical Engineering BS (Effective AY 2016-17 to AY 2017-18)

<table>
<thead>
<tr>
<th>Freshman</th>
<th>Sophomore</th>
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<td>EAS 202 Introduction to Practice</td>
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**Course Corequisites** | **Course Corequisite Sequence** | **Course Prerequisites** | **Course Post-corequisites** | **Post requisite course sequence**
Spring 2018 Enrollment: Flowsheet Overview

**Personalized Flowsheets**

- Four year course plans updated during advisement meetings in 410 Bonner Hall.

- **Semester/Year Notations**
  - Fall = 9, Spring = 1, Summer = 6
  - Example: 9/17 = Fall 2017

- **Major and Gen Ed Requirements**
Spring 2018 Enrollment: Course Plan

- Courses that are in progress this fall are designated with ‘9/17.’
- Recommended courses for Spring 2018 registration are designated with ‘1/18.’
Spring 2018 Enrollment: Second Semester Course Plan by Major

Note: CS BA students can take MTH 122 instead of MTH 142.
UB Curriculum: *Pathways*

Students take both a **Thematic** and a **Global** Pathway. Each Pathway requires a minimum of nine credit hours of study.

The Pathways connect classes by theme or concept, allowing you to pursue ideas across a broad range of disciplines, methodologies, and modes of experience.

The Pathways invite you to approach learning as a continuum, and to actively make connections between classes by drawing various strands together to create a larger whole.

Integrative learning of this kind has been shown to improve critical thinking, as well as help students to gain a greater appreciation of complexity and nuance as they encounter the tensions and similarities that exist between disciplines and practical applications in the world.
Pathway Resources

Step 1: Path Finder Tutorial Video for SEAS Majors

Step 2: Visit the SEAS Website for major and course-specific information

- Undergraduate Education > Advisement > Pathways >

Pathways for Engineering and Computer Science Students

Step 3: Pick your Pathways!

Access your Planner via HUB

Log on to Path Finder from your Planner Report

Thematic Pathway

Not Satisfied: Thematic Pathway - 3 Courses/9 Units Required (LN-010)

Use the UB Path Finder Tool to choose and view your Thematic Pathway.

- Courses: 3 required, 1 taken, 2 needed
Pathway Requirements

- Can I use AP/Transfer/other college credit to satisfy pathway requirements?
  - Yes! Review the AP equivalency chart to see if you’ve received credit for any UB courses, and review our transfer course equivalencies on TAURUS.
  - Use the course drop-down menu on the SEAS Pathways page to see how your credit fits in a pathway.
  - Transfer and test credit that UB has received will appear on the Path Finder tool. If you have this credit and do not see it in HUB or Path Finder, please report it to UB ASAP!
    - AP/Exam credit – College Board, use school code 2925
    - Transfer courses – send official transcript to UB Admissions, 12 Capen Hall (International – 17 Capen Hall)
  - Note: allocate your transfer/test work strategically, as you will need to unite these themes in UBC 399

- Why do I need to submit my Pathways to HUB?
  - After you select all of your pathway courses, you will need to save your selections to HUB.
  - Your Pathway selections will be added to your official HUB record and available for you to include in your Planner (assignment at a later date)
  - You must submit your selections to HUB if you receive any amount of NYS STEM, TAP, or Excelsior financial aid so that UB can certify your eligibility for these awards
  - These courses must be submitted to HUB in order to certify completion of UB Curriculum requirements for degree conferral
  - Printing your selection does not save your selection in the Path Finder tool. The only way to save your selection is to click on the “Save to HUB” button in the upper right-hand corner.
Pathway Advisement

Select your Pathways strategically if you want to graduate in 4 years!

- Course 3 in each pathway should be a **major requirement**
- Check for pre/co requisites, including major reserves
- Include a **Diversity** class in one of your pathways
Validate Your Pathways!

You will receive an email approximately 1 day after you save your Pathway courses with instructions to validate your selections. Click on the link provided to review our analysis of your selections.
HUB Academic Advisement Report

The HUB Academic Advisement Report (AAR) is an advising tool that tracks progress toward graduation by showing how courses taken meet graduation requirements. The AAR summarizes all General Education and Major requirements, indicating those that have been satisfied; computes cumulative and technical GPAs; totals all credit hours taken; lists repeated courses and grades; notes Incomplete courses; indicates test scores and credits granted for AP and CLEP examinations; and lists all transfer and UB courses taken.

- To access your AAR, log on to the HUB Student Center and select “Academic Requirements” from the drop down menu under the Academics heading.

Note: Most SEAS major requirements are sorted by semester. For example, a typical freshmen spring semester will include Calculus 2 and Chemistry 2. The AAR displays courses that can be used to satisfy each requirement.
Registration Tips and Tricks:
Class Schedule, Shopping Cart, & Enrollment Date

• Enroll in Spring 2018 classes *on the first day of your enrollment appointment*!
  • Appointments are assigned based on student credit hours, with priority given to students with higher credit hours earned prior to the start of the fall 2017 semester.
  • Appointments will begin at 7:00 AM. Once your appointment time begins, you can drop and add courses until the end of the drop/add period for the session.

• Class Availability Icons
  • Open with reserves – seats are available, but may be reserved for specific majors
  • Open – class is open to all students who meet enrollment requirements
  • Closed – class is full
  • Waitlist – class is full, but the department allows students to add themselves to a wait list
Registration Tips and Tricks:
Check Your Holds!

- Log onto your HUB Student Center to view your Holds.
- Click on Details to see more information.
- Click on a specific item for instructions on resolving the hold.

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<th>Item List</th>
<th>Institution</th>
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<th>End Term</th>
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<td>University at Buffalo</td>
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<td>Begin Term - Snc Indicatr Use</td>
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<td>04/12/2015</td>
<td></td>
<td>Stu Acad Records &amp; Fin Servce</td>
</tr>
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All admitted SEAS majors are REQUIRED to complete the Professional Development Survey. All admitted and intended students must complete the cultural competence requirement! Students who have not completed these requirements will have a **HOLD** that prevents Spring 2018 registration!
Registration Tips and Tricks: Adding, Dropping, & Swapping

- Drop a class from your Spring schedule (before the end of add/drop) or Resign a class for your Fall schedule (before the resignation deadline.)
- Add a class to your Shopping Cart
- Swap one class for another class. The Swap feature will only drop you from the first class if you are successfully enrolled in the second class.

Questions?

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