

# FIRST SEMESTER COURSE ADVISEMENT

EAS 199: Engineering Principles



University at Buffalo

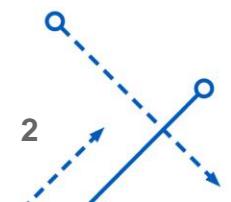
School of Engineering and Applied Sciences

# Who is My Advisor?

| Time    | Monday<br>Sep 12  | Tuesday<br>Sep 13  | Wednesday<br>Sep 14   | Thursday<br>Sep 15   | Friday<br>Sep 16  |
|---------|---|--|---|--|---|
| 8:00AM  | MTH 141LR - AB<br>Lecture<br>8:00AM - 8:50AM<br>Norton Hall 218               |  | MTH 141LR - AB<br>Lecture<br>8:00AM - 8:50AM<br>Norton Hall 218                 |  | MTH 141LR - AB<br>Lecture<br>8:00AM - 8:50AM<br>Norton Hall 218               |
| 9:00AM  |   |  |   | MTH 141LR - AB2<br>Recitation<br>9:00AM - 9:50AM<br>Talbert Hall 103   |   |
| 10:00AM | CHE 107LLR - A<br>Lecture<br>10:00AM - 10:50AM<br>Natural Science Complex 225 |  | CHE 107LLR - A<br>Lecture<br>10:00AM - 10:50AM<br>Natural Science Complex 225   |  | CHE 107LLR - A<br>Lecture<br>10:00AM - 10:50AM<br>Natural Science Complex 225 |
| 11:00AM |   |  | HIS 141LR - N3<br>Recitation<br>11:00AM - 11:50AM<br>Bell Hall 325              |  |   |
| 12:00PM | EAS 199SL - B<br>Seminar<br>12:00PM - 12:50PM<br>Davis Hall 101               |  | EAS 199SL - B<br>Seminar<br>12:00PM - 12:50PM<br>Davis Hall 101                 |  | EAS 199SL - B<br>Seminar<br>12:00PM - 12:50PM<br>Davis Hall 101               |
| 1:00PM  |   | HIS 141LR - NAT<br>Lecture<br>1:00PM - 1:50PM<br>Knox Lecture Hall 110 | CHE 107LLR - L3<br>Recitation<br>1:00PM - 2:50PM<br>Norton Hall 216             | HIS 141LR - NAT<br>Lecture<br>1:00PM - 1:50PM<br>Knox Lecture Hall 110 |   |
| 2:00PM  |   |  |   |  |   |
| 3:00PM  |   |  | CHE 107LLR - L8<br>Laboratory<br>3:00PM - 4:50PM<br>Natural Science Complex ARR |  |   |
| 4:00PM  |   |  |   |  |   |
| 5:00PM  |   | EAS 199SL - B1<br>Laboratory<br>5:00PM - 6:50PM<br>Furnas Hall 211     |   |  |   |
| 6:00PM  |   |  |   |  |   |

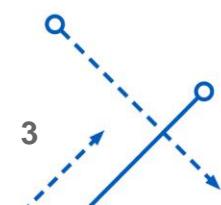
**School of Engineering and Applied Sciences**  
**Office of Undergraduate Education**

**410 Bonner Hall/645-2775/ubengineer@buffalo.edu**



# Agenda

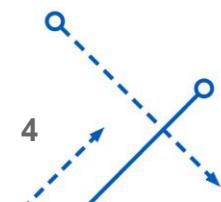
- **Fall 2017 Semester Deadlines and Reminders**
  - Resignation Deadline/Implications
  - Tutoring and Academic Support Resources
  - Repeat and Limited Enrollment Policies
- **SEAS Academic Review**
  - Changing Majors
- **Spring 2018 Academic Advisement and Planning**
  - What Classes Should I Take?
  - SEAS Flowsheet Overview
  - UB Curriculum Overview
- **Leaving an SEAS Major?**
- **Spring 2018 Registration and Advisement Tools**
  - Spring Registration Process
  - Registration Tips and Tricks
  - HUB Academic Advisement Report/Academic Requirements Report



## Fall 2017 Semester Reminders: Resignation

- **Deadline: Friday, November 10<sup>th</sup> @ 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?**

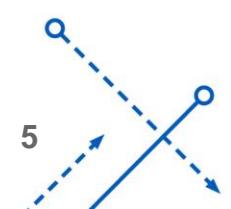
*Students are not permitted to resign EAS 199 on their own!  
Must obtain permission from an advisor prior to 5:00 pm on Nov. 10<sup>th</sup>*



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## Fall 2017 Semester Reminders: *Tutoring and Academic Support*

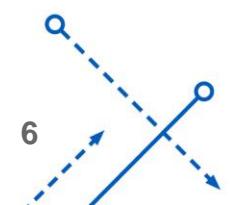
- Small Group Sessions for Calculus 1 & 2, Chemistry, and Physics!
- SEAS Tutoring Services
- The Math Place, 211 Baldy Hall
- Center for Excellence in Writing, 209 Baldy Hall
- English Language Institute, 320 Baldy Hall
  - Chat Room
  - Open Listening Lab
- Campus Living's Academic Success Centers:
  - Blake Center, 167 MFAC, Ellicott Complex
  - Jones Center, Clinton Basement, Governors
  - Goodyear Center, 141 Goodyear Hall, South Campus
- UB Counseling Services, 120 Richmond Quad



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# Course Enrollment Control Policy

- Some courses are “limited enrollment (impacted) courses” – you have one attempt to successfully complete these courses during an academic year. Students who have previously attempted an impacted course and received a grade other than an Administrative Withdrawal (W) may not register for it again during the fall or spring semester.
- Resigns in such courses are considered attempts for this policy.
- Note: If you receive a failing grade in one of these impacted courses, the only way to improve your GPA will be to repeat that course at UB, in the summer or winter (if offered)! *(unless you submit a successful petition to repeat the course in future term; very strict petition guidelines)*



<https://catalog.buffalo.edu/policies/repeat.html>

**The following courses have been designated as controlled enrollment courses for the 2017-2018 academic year:**

UB Seminars (EAS 199, CSE 199, Any 199) ENG 105 Writing and Rhetoric

BIO 200 Evolutionary Biology

MTH 121 Survey of Calculus 1

BIO 201 Cell Biology

MTH 131 Math Analysis for Management

CHE 101 General Chemistry

**MTH 141 College Calculus 1**

CHE 102 General Chemistry

**MTH 142 College Calculus 2**

**CHE 107 Chemistry for Engineers 1**

**MTH 241 College Calculus 3**

**CHE 108 Chemistry for Engineers 2**

**MTH 306 Differential Equations**

CHE 201 Organic Chemistry

PHY 101 College Physics

CHE 202 Organic Chemistry

PSC 101 Intro to American Politics

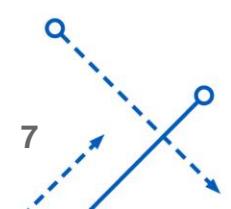
COM 101 Principles of Communication

PSY 101 Introductory Psychology

ECO 181 Intro to Macroeconomics

PSY 207 Psychological Statistics

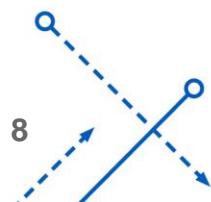
ECO 182 Intro to Microeconomics



# SEAS Academic Review Policy

- SEAS considers the technical GPA (TGPA) in its academic review. The TGPA is based on engineering, math, & science courses taken at UB.
- **Academic Good Standing:**
  - Cumulative UB Technical GPA (CTGPA)  $\geq 2.0$  or greater AND most recent Semester Technical GPA (STGPA) at UB is  $\geq 2.0$ .
- **Academic Probation:**
  - STGPA  $< 2.0$  and CTGPA  $\geq 1.4$ , OR
  - STGPA  $\geq 2.0$  and CTGPA  $< 2.0$ .
- **Academic Dismissal:**
  - STGPA  $< 2.0$  and CTGPA  $< 1.4$ , OR
  - CTGPA and STGPA are  $< 2.0$  while on probation, OR
  - Failure to follow SEAS major curriculum for two consecutive semesters.

<http://www.eng.buffalo.edu/undergrad/advisement/academic-review/>



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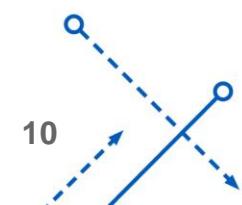
# Engineering Admissions Criteria: *Changing Majors*

- Students who want to change their major or add another SEAS major/minor should complete the [online form](#) so we can make the necessary changes in HUB and on our engineering-wide listservs, and to ensure access to classes reserved for specific SEAS majors (i.e. BE 201, CE 212, etc.)
- The Major/Minor Change Application opens around the seventh week of the fall/spring semester and closes at the end of the drop/add period. This opening date provides adequate time for students to change their major before the registration period opens.
- Students directly admitted to SEAS as freshmen may change their major at any time during the first year of study. Specifically, students who join UB during the fall semester are permitted to change their major prior to May 31 of the same academic year.
- You can review the SEAS Major Change website for complete guidelines;  
<http://engineering.buffalo.edu/home/academics/undergrad/admissions/change.html>.

# Academic Advisement for Spring 2018

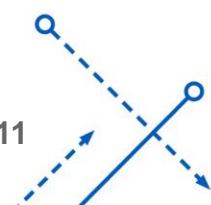
**Students can participate in academic advisement by:**

- Scheduling an individual advisement appointment in 410 Bonner Hall
  - This is appropriate for students who are taking courses that are slightly different than the typical first semester sequence (MTH 141, CHE 107, EAS 199, UB Curriculum Course).
- Scheduling an appointment with your Honors advisor (Honors College students only).
- Registering for a Small Group Advisement Session
  - Designed for students enrolled in the typical first semester course sequence, these sessions are limited to 15-20 students and are led by an advisor in 410 Bonner Hall. This is a unique opportunity to explore second semester course offerings with other SEAS first year students.



# What Classes Should I Take in Spring? *Mathematics*

- All engineering majors are required to complete MTH 141, 142, 241, and 306 (Calc I, II, III, and Differential Equations).
- Usually recommended in this order, with the exception of Electrical and Computer Engineers.
  - If you successfully complete ULC 147 with a B or better in fall, then you should proceed into ULC 148 in spring
  - If you successfully complete ULC 148 with a B or better in fall, then you should proceed into MTH 141 in spring (must also complete the ALEKS Assessment!)
  - If you successfully complete MTH 141 with a C or better in fall, then you should proceed into MTH 142 in spring
  - If you successfully complete MTH 142 with a C or better in fall, then you should proceed into either MTH 241 or MTH 306 in spring
- 4 credit hours (LEC/REC)
- There will be small group help sessions in spring for both MTH 141 and MTH 142.



# What Classes Should I Take in Spring? *Physics*

- All engineering majors are required to complete PHY 107 General Physics I (calculus-based mechanics course). This is often taken in your second semester here (spring)
- MTH 141, College Calculus I, is a corequisite for PHY 107
- 4 credit hours (LEC/REC)
- There will be small group help sessions in spring for PHY 107.
- Course Description:
  - A calculus-based introductory course primarily for chemistry, engineering, and physics majors. Covers kinematics, Newton's laws, energy, momentum, rotational motion, and oscillations. Lec/Rec.



# What Classes Should I Take in Spring? *Chemistry*

- All engineering majors are required to complete General Chemistry 1 (CHE 107 in most cases, or CHE 101 General Chemistry or CHE 105 Honors Chemistry)
- If you successfully complete CHE 100 in fall, then you should proceed into CHE 107 in spring (4 credits), unless your plan is to complete this in the summer or plan CHE 107 in fall 2017. You should speak with an advisor if you are unsure of any sequencing issues. If you are majoring in Biomedical, Chemical, or Environmental Engineering, you should speak with an advisor in 410 Bonner Hall to plan for completion of this requirement.
- If you successfully complete CHE 107 in fall, then you should proceed into CHE 108 in spring if you are majoring in Biomedical, Chemical, or Environmental Engineering (or if you are undecided about your major but want to keep on track for a possible major in one of these areas)(CHE 108 = 4 credits).
- If you successfully complete CHE 107 in fall and are majoring in Computer, Electrical, Industrial, Civil, Mechanical, Aerospace or Engineering Physics you don't need to take CHE 108.
- Industrial engineers have a basic science elective for graduation, which will be either CHE 108 or CHE 102 with lab, PHY 3 with lab (207 and 257), BIO 200 with lab, or BIO 201 with lab.
- Civil and Mechanical Engineers do not require CHE 108 or CHE 102, however this class can be used as a required elective course in both of these majors. If you are unsure about your major and are considering a major that requires CHE 102, you can take the class this spring and possibly allocate it to another degree requirement should you change majors.

# What Classes Should I Take in Spring?

## EAS 202, Section A or B

- All engineers (except CEN) proceed from EAS 199 now, into EAS 202 in spring. EAS 202 is spring only, 1 credit seminar.

Sections A and B of EAS 202 were specifically designed for directly-admitted freshmen engineering majors

- Objectives:
  - “Thinking Like an Engineer” across a broad array of problem settings: National Academy of Engineering’s “Grand Challenges”
  - Expanded vision of career paths where engineers can “make a difference” in meeting key societal needs.
- Format
  - Expert Guest Presenters in Grand Challenge related areas
- Requirements
  - Engineering Impact Report: apply engineering framework to self-selected, personally meaningful, problem area
  - In-class deliverables
  - Case Study Profiles (1 pagers)

|  |  |   |  |
|--|--|---|--|
|    | Make solar energy economical             |    | Engineer better medicines                  |
|    | Provide energy from fusion               |    | Reverse-engineer the brain                 |
|    | Develop carbon sequestration methods     |    | Prevent nuclear terror                     |
|    | Manage the nitrogen cycle                |    | Secure cyberspace                          |
|   | Provide access to clean water            |   | Enhance virtual reality                    |
|  | Restore and improve urban Infrastructure |  | Advance personalized learning              |
|  | Advance Health Informatics               |  | Engineer the tools of scientific discovery |

# What Classes Should I Take in Spring?

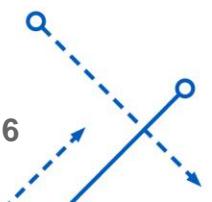
## ***MAE 177, Intro to Engineering Drawing/CAD***

- If you are majoring in Aerospace or Mechanical Engineering you should take MAE 177 in spring. There are no pre or corequisites.
- 1 credit hour
- Civil and Environmental Engineers will take CIE 177 in fall of their sophomore year.
- *Course Description:*
  - *The purpose of this course is to familiarize students with a 3D modeling CAD software platform, like Creo Parametric. Students will learn basic 3D modelling functions such as extrude, revolve, pattern, sweep, etc. The course will cover integration of individual parts into assemblies. Documenting CAD models through the use of engineering drawings will also be covered.*

# What Classes Should I Take in Spring?

## **EAS 230, Engineering Computations**

- If you are majoring in Aerospace, Mechanical or Chemical Engineering, you should take EAS 230 Engineering Computation in spring.
- MTH 141 College Calc I is a prerequisite.
- 3 credit hours
- Biomedical, Civil, Environmental, and Engineering Physics majors are also required to eventually take EAS 230, so if you are unsure about your major and you have space to fit this in during the spring semester, it might be a good option. Industrial Engineering majors may take either EAS 230 or EAS 240.
- Course Description:
  - *This is a first course in computer programming that develops programming concepts using MATLAB with application to engineering problems. Topics include data structures, arithmetic expressions, I/O, plotting, branching and loop structures, debugging, and user-defined functions. These concepts will be illustrated and emphasized through applications in chemical process mass balances, transport processes, truss structures, data fitting, principal component analysis in fluid and solid mechanics, and modal analysis in dynamics.*



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# What Classes Should I Take in Spring?

## *Computer Engineering Majors*

- If you are considering a major in computer engineering and have not yet taken CSE 115, you should start with this course in spring.
- No previous programming experience required. Students must be calculus-ready to take CSE 115. This is demonstrated through completion of ULC 148 or MTH 115 (Precalculus), completion of or concurrent enrollment in MTH 141, SAT/ACT test scores, and/or successful completion of the ALEKS assessment.
- If you are a computer engineering major in CSE 115 now and earn a C+ or better, you should take CSE 116 in spring. Lec/Rec.
- 4 credit hours



# 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 Chemical Engineering BS**  
(Effective AY 2016-17 to AY 2017-18)

| Freshman                                   |   | Sophomore                                     |  | Junior                                      |  | Senior                                   |  |
|--|---|---|--|---|--|--|--|
| Fall                                       | Spring  | Fall  | Spring                                       | Fall  | Spring                                     | Fall                                     | Spring                                   |
| <b>MTH 141</b><br>Calculus 1               | <b>MTH 142</b><br>Calculus 2                    | <b>MTH 241</b><br>Calculus 3                  | <b>MTH 306</b><br>Differential Equations     | <b>CE 317</b><br>Transport Process 1        | <b>CE 318</b><br>Transport Process 2       | <b>CE 404</b><br>CE Product Design       | <b>CE 408</b><br>Chem Eng Plant Design   |
| <b>CHE 107</b><br>Chemistry 1              | <b>CHE 108</b><br>Chemistry 2                   | <b>PHY 108</b><br>Physics 2                   | <b>CE 304</b><br>CE Thermodynamics           | <b>CE 327</b><br>CE Probability and Stats   | <b>CE 328</b><br>Chem Engr Lab 2           | <b>CE 427</b><br>Chem Eng Lab 3          | <b>CE 428</b><br>Chem Engr Lab 4         |
| <b>EAS 199</b><br>First-Year Seminar       | <b>PHY 107</b><br>Physics 1                     | <b>PHY 158</b><br>Physics 2 Lab               | <b>CE 220</b><br>CE Biotechnology Principles | <b>CHE 334</b><br>Physical Chemistry for CE | <b>CE 434</b><br>Chemical Systems Control  | <b>CE 407</b><br>Separations             | <b>CE Technical Elective</b>             |
| <b>ENG 105</b><br>Communication Literacy 1 | <b>EAS 230</b><br>Engineering Computations      | <b>CE 212</b><br>Fundamental Principles of CE | <b>EAS 360</b><br>STEM Communications        | <b>CE 329</b><br>Chemical Reaction Eng      | <b>CE 433</b><br>Materials Sci & Corrosion | <b>CE Technical Elective</b>             | <b>Thematic or Global Pathway Course</b> |
| <b>Thematic or Global Pathway Course</b>   | <b>EAS 202</b><br>Engineering Impact on Society | <b>CHE 201</b><br>Organic Chemistry 1         | <b>Thematic or Global Pathway Course</b>     | <b>CE 341</b><br>Applied CE Math            | <b>200+ Technical Elective</b>             | <b>Thematic or Global Pathway Course</b> | <b>UBC 399</b><br>UB Capstone            |
|  |   |   |  |   |  |  |  |
| 18 HOURS                                   |   | 16 HOURS                                      |  | 18 HOURS                                    |  | 17 HOURS                                 |  |
| 16 HOURS                                   |   | 16 HOURS                                      |  | 16 HOURS                                    |  | 15 HOURS                                 |  |
| 15 HOURS                                   |   | 15 HOURS                                      |  | 15 HOURS                                    |  | 13 HOURS                                 |  |

Place the mouse over a course to highlight the course prerequisite sequence, course prerequisites, course corequisite sequence, course corequisites, course post-corequisites and postprerequisite course sequence.



18

# What are the UB Curriculum Requirements?

## UB Seminar

The entryway to your UB education. A discussion-based seminar built around grand challenges and big ideas.

## Foundations

Courses in diversity, writing, math and natural sciences that promote critical thinking, creative problem-solving, enhanced communication skills, cultural competencies, and ethical and analytical reasoning.

## Pathways

A series of courses interconnected by theme or concept across a wide range of disciplines. Pathways can be customized to complement pre-existing interests or designed to expand horizons and engage curiosity.

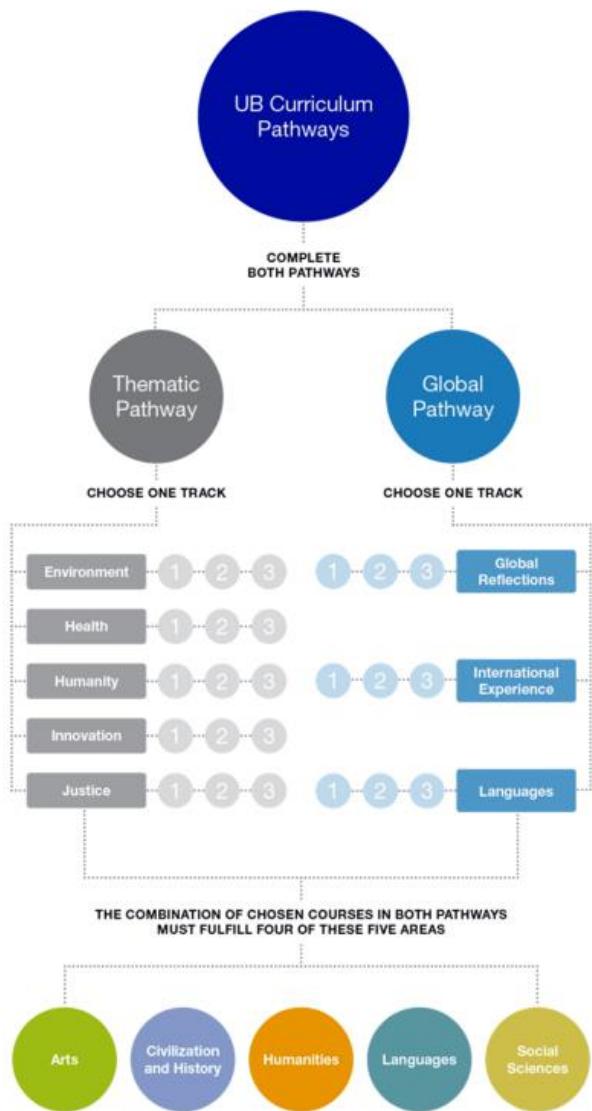
## Capstone

A final project that integrates the whole in anticipation of next steps in life and learning.



# UB Curriculum: *Foundations*

| The UB Curriculum   | Credit Hours | Notes   |
|---|--------------|---|
| ENG 105, Writing and Rhetoric   | 4 credits    | Typically completed in first or second semester   |
| EAS 360, STEM Communication   | 3 credits    | Typically completed in fourth or fifth semester   |
| Math and Quantitative Reasoning   | 4 credits    | SEAS students complete this requirement with MTH 141, Calculus 1 (**Computer Science BA students may use MTH 121, General Calculus 1.)  |
| Scientific Literacy and Inquiry Sequence  | 7 credits    | Engineering majors complete this requirement through fulfillment of major coursework like PHY107/108/158 and CHE 101/102. Computer Science BA and BS students complete two 3-credit hr lectures and one credit of lab from the list of Scientific Literacy sequences. |
| <b>Diversity Learning Requirement</b><br>Students are required to take at least one three-credit course focusing on domestic diversity. An approved course can be taken anywhere in the program and may also satisfy the other aspects of the program (e.g., UB Seminar or Pathway course). |              | Engineering majors must be sure to select a Diversity Learning course in planning their Pathways to ensure they meet this requirement.  |



## 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

Add courses to Planner using: [BROWSE COURSE CATALOG](#) [PLAN BY MY REQUIREMENTS](#)

# 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

The UB Curriculum

|               |               |                            |                 |                 |                              |
|---------------|---------------|----------------------------|-----------------|-----------------|------------------------------|
| 3             | 3             | 3                          | 3               | 3               | 3                            |
| Global Path 1 | Global Path 2 | Global Path 3 <sup>1</sup> | Thematic Path 1 | Thematic Path 2 | Thematic Path 3 <sup>1</sup> |
| PHI 105       | GEO 333       | MAE 277                    | ARC 121         | ARC 211         | MAE 311                      |
| UB Area:      | UB Area:      | UB Area:                   | UB Area:        | UB Area:        | UB Area:                     |

UB Areas: Min of 4; 2 per pathway

ARTS      ARC      SOC SCI      GEO  
121      333  
CIV/HIS      ARC      LANG  
211  
HUM PHI      105

<sup>1</sup> An approved IE course can satisfy the Path 3 course and a major requirement, as outlined in the credits by term above.

|            |             |                                   |  |   |
|------------|-------------|-----------------------------------|--|---|
| 4          | 1           | 3                                 | Global Pathway Topic:<br>Business, Economy and Society | Thematic Pathway Topic:<br>Design & the Built Environment |
| Comm Lit 1 | UB Capstone | Diversity <sup>2</sup><br>ARC 211 |  |   |
| ENG 105    |             |                                   |  |   |

Appointments:

<sup>2</sup> An approved course can be taken anywhere in the program and may also satisfy another UB curriculum requirement. The outline above assumes students will satisfy this requirement with another required course.

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## UB Curriculum: *Integrative Capstone*

- The Capstone is the culminating experience of the UB Curriculum program.
- It is not a seated class but rather a space set aside for thinking, reflecting and weaving together disparate elements of the program by means of an ePortfolio platform provided to all incoming freshmen and transfers.
- Most Engineering and Computer Science students will complete this requirement in the senior year.

# ....Don't plan to major in Engineering?

- If you are changing your major out of SEAS and already know the major you wish to pursue:
  - Use the [advising directory](#) to find the appropriate contact office for that major and follow their application process.
  - Submit a major change form to drop your SEAS major -  
<https://www.eng.buffalo.edu/undergrad/admissions/major-change>
- If you are changing out of SEAS and do not know the major you wish to pursue:
  - Submit a major change form to drop your SEAS major -  
<https://www.eng.buffalo.edu/undergrad/admissions/major-change>
    - You will be coded as an undecided major.
  - Visit the Major Transitions website for resources in choosing a new major:  
<http://advising.buffalo.edu/change/index.php>.



# Spring Registration Process: *Tasks to do Now!*

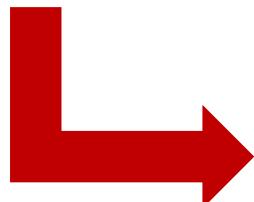
- Identify the classes you need to take to remain on-track in your major
- **Early October:** Spring schedule is published! You can start creating your schedule and add classes to your Shopping Cart.
- **Mid-October:** Validate your shopping cart to be sure you meet enrollment requirements.
- View the Step-By-Step HUB Registration and Schedule builder tutorial video.
  - Check to be sure that you don't have any holds that would prevent you from registering. If so, resolve them ASAP!
  - Double check prerequisites/corequisites: Don't assume they are programmed into the registration system, because in many cases, they aren't, and most of the prereqs are courses you are currently taking!



## Registration Tips and Tricks: Check Your Holds!



- Log onto your HUB Student Center to view your Holds.
- Click on Details to see more information.



| Item List                 |                       |                                |          |            |          |                             |
|---------------------------|-----------------------|--------------------------------|----------|------------|----------|-----------------------------|
| Hold Item                 | Institution           | Start Term                     | End Term | Start Date | End Date | Department                  |
| Academic Advising For Reg | University at Buffalo | Fall 2015                      |          | 06/09/2015 |          | All Departments             |
| Unpaid Bill               | University at Buffalo | Begin Term - Srvc Indicatr Use |          | 04/12/2015 |          | Stu Acad Records & Fin Svcs |



### Instructions

You have this hold because you must pay your past due balance. You will be unable to add courses, receive refunds, receive a transcript, produce enrollment verification or receive a diploma until this hold is resolved. In addition, failure to pay this past due balance may result in the account being turned over to a collection agency or the NYS Attorney General. For questions please contact Student Accounts at [UBstudentaccounts@buffalo.edu](mailto:UBstudentaccounts@buffalo.edu), (716)645-1800 or 232 Capen Hall.

- Click on a specific item for instructions on resolving the hold.

# SEAS Professional Development Survey

- Technical Work Experience
- Non-Technical Work Experience
- Research Experience
- Summer or Winter Coursework
- Outreach or Community Service
- Study Abroad
- Student Clubs/Organizations
- Tinkering/Intramurals (SEAS Experiential Learning)
- Other

- Check your email for a message from Dr. Errington on September 9<sup>th</sup>
- **You MUST complete the survey in order to register for Spring 2018 classes! If you have not completed this survey, a registration HOLD has been placed on your record.**

# 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



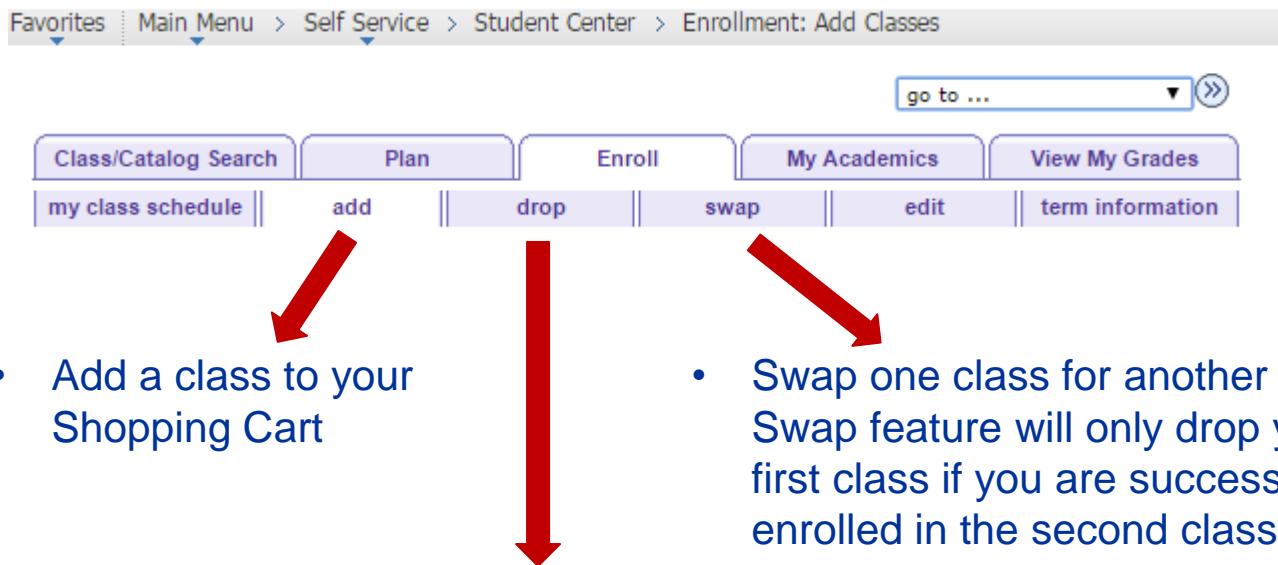
 Open with Reserves

 Open

 Closed

 Wait List

# Registration Tips and Tricks: Adding, Dropping, & Swapping



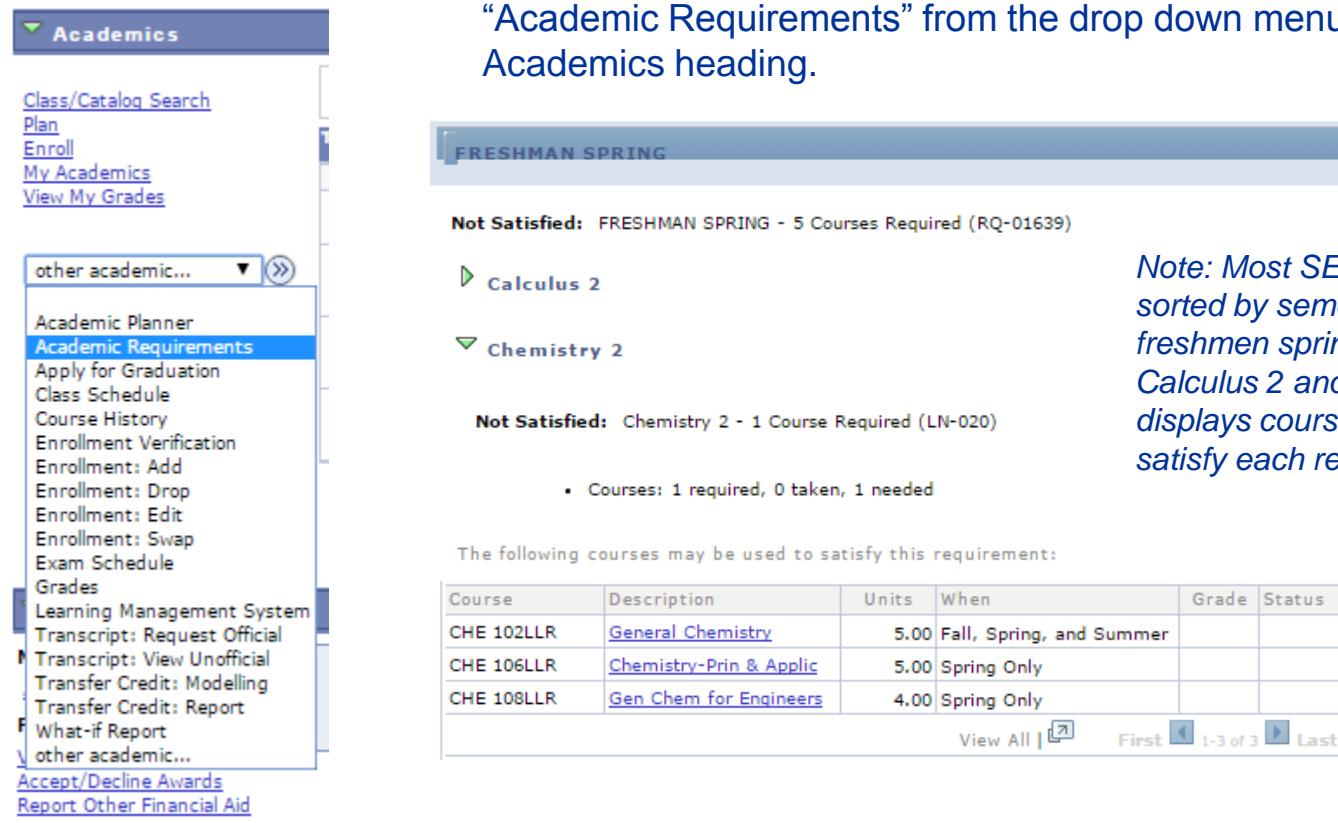
- Drop a class from your Spring schedule (before the end of add/drop) or Resign a class for your Fall schedule (before the resignation deadline.)

- **Step-by-Step Enrollment Guide:** <http://www.buffalo.edu/hub/students/pdfs/enrollClassSearch.pdf>

# 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.



**Academics**

- Class/Catalog Search
- Plan
- Enroll
- My Academics
- View My Grades

other academic... ▾

- Academic Planner
- Academic Requirements**
- Apply for Graduation
- Class Schedule
- Course History
- Enrollment Verification
- Enrollment: Add
- Enrollment: Drop
- Enrollment: Edit
- Enrollment: Swap
- Exam Schedule
- Grades
- Learning Management System
- Transcript: Request Official
- Transcript: View Unofficial
- Transfer Credit: Modelling
- Transfer Credit: Report
- What-if Report
- other academic...

Accept/Decline Awards

Report Other Financial Aid

**FRESHMAN SPRING**

**Not Satisfied:** FRESHMAN SPRING - 5 Courses Required (RQ-01639)

- Calculus 2
- Chemistry 2

**Not Satisfied:** Chemistry 2 - 1 Course Required (LN-020)

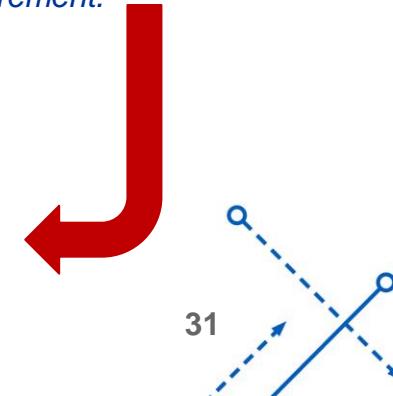
- Courses: 1 required, 0 taken, 1 needed

The following courses may be used to satisfy this requirement:

| Course     | Description             | Units | When                     | Grade | Status |
|------------|-------------------------|-------|--------------------------|-------|--------|
| CHE 102LLR | General Chemistry       | 5.00  | Fall, Spring, and Summer |       |        |
| CHE 106LLR | Chemistry-Prin & Applic | 5.00  | Spring Only              |       |        |
| CHE 108LLR | Gen Chem for Engineers  | 4.00  | Spring Only              |       |        |

View All |  First  1-3 of 3  Last

*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.*



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# Questions?

**School of Engineering and Applied Sciences  
Office of Undergraduate Education  
410 Bonner Hall/645-2775**

**Email: [UBEngineer@buffalo.edu](mailto:UBEngineer@buffalo.edu)**