Next:

> UB and School of Engineering & Applied Sciences (SEAS)

Dr. Jeffrey Errington
Associate Dean for Undergraduate Education

Dr. Christine Human
Associate Dean for Accreditation & Student Affairs

> Academic Advisement Overview and Advisement Tools

Dr. Kerry Collins-Gross
Assistant Dean for Undergraduate Education

Ms. Kate Doran
Academic Advisor

Orientation Leaders

> Fall 2015 Course Registration:

> Schedule Review (if registered)
> Advisement (if not registered)

Office of Undergraduate Education Academic Advisors
> Doing business at UB
> Policies and expectations
> SEAS Majors/Curricula

http://www.eng.buffalo.edu/undergrad
Where are you from?

1. NYC, Long Island
2. Hudson Valley, Capital District
3. Catskills, Adirondacks
4. Central NY
5. Western NY
6. Out of State
Where will you be living?

1. On campus
2. Off campus (but not at home)
3. At home
What is your biggest concern entering UB?

1. Large size of UB
2. Making new friends
3. Academic success
4. Selecting major
5. Getting along with roommate(s)
6. Parking on campus
What is your most common form of electronic communication?

1. Talking on cell phone
2. Texting
3. Facebook, Twitter
4. Email
5. Other
Communication

Email

» Your UB email account - Check it, Use it!

Listservs

---

**Greater Buffalo IT/Dev Day**

Computer Engineering Undergrad List [CENUG-L@LISTSERV.BUFFALO.EDU] on behalf of Justice, Holly [hjustice@buffalo.edu]

Subject: Sat 6/6/2009 2:22 PM

To: CENUG-L@LISTSERV.BUFFALO.EDU

Just for your information

Greater Buffalo IT/Dev Day

Mark your calendars! MSDN and TechNet in conjunction with the [Western New York .NET Users Group](http://www.wnyusersgroup.com) are bringing the Greater Buffalo IT/Dev Day to [Daemen College](http://www.daemen.edu) in Amherst on July 21st. This is a FREE event!
Email Etiquette

- Include informative subject
- Use proper greeting and salutation
- Include all necessary information
- Check grammar and spelling
- Ask yourself whether the information you are asking for is readily available
- Reply in a timely fashion
Welcome to Blackboard on UBlearns

Login

Usability and language options are located at the top corners of the screen.

Accessibility | Privacy Policy
The Syllabus

- A road map for the course
- Often includes important dates (exams)
- Should include learning outcomes, schedule, grading criteria and academic integrity information
- Ignore it at your own risk.
UB and SEAS

> Doing business at UB
> Policies and expectations
> SEAS Programs/Curricula

http://www.eng.buffalo.edu/undergrad/
The ABC’S of Grading

- Grading on a 4 point scale: A = 4, A- = 3.67, B+ = 3.33, B= 3.0, ...... F = 0
- Quality Points = grade points x credit hours
- Grade Point Average = total quality points/total credit hours

<table>
<thead>
<tr>
<th>Grade</th>
<th>Grade Points</th>
<th>Hrs</th>
<th>Quality Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>3.00</td>
<td>3</td>
<td>9.00</td>
</tr>
<tr>
<td>B+</td>
<td>3.33</td>
<td>4</td>
<td>13.32</td>
</tr>
<tr>
<td>C</td>
<td>2.00</td>
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<tr>
<td>C-</td>
<td>1.67</td>
<td>4</td>
<td>6.68</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>15</td>
<td>37.00</td>
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</tbody>
</table>

GPA = 37/15 = 2.47
Important SEAS Academic Regulations

- UB monitors overall GPA
- SEAS monitors technical GPA
- If your cumulative or semester technical GPA is less than 2.0, you will be placed on academic probation
- If your semester technical GPA is less than 2.0 and your cumulative technical GPA falls below 1.4 or drops below 2.0 while on academic probation, you will be dismissed from SEAS
- A technical GPA of 2.0 or higher is required to graduate

When a student begins a semester in academic good standing, their academic standing at the end of the semester is determined via the mapping to the right.
How much cheating did you observe in high school?

1. None
2. Occasional
3. Frequent
4. Virtually every class

"On my honor, I have neither given nor received aid in completing this assignment."
Academic Integrity

Very important in university environment, sanctions for violations can be severe

Breaches of academic integrity include:

- cheating
- plagiarism
- unauthorized collusion on homework, projects, and exams
- unauthorized possession of exams, papers, or other materials

http://academicintegrity.buffalo.edu
In carrying out their professional obligations, engineers and scientists are guided by fundamental ethical canons and rules of practice. The UB Engineering community is guided by the following principles.

UB Engineers and Applied Scientists:

- Act with honesty, integrity and fairness
- Show respect for others
- Accept responsibility
- Give credit where credit is due
- Serve the larger community
- Take pride in being a part of UB Engineering
UB Orientation

UB and SEAS

- Doing business at UB
- Policies and expectations
- SEAS Programs/Curricula
What is your major?

1. Biomedical
2. Chemical
3. Civil or Environmental
4. Computer Eng, Computer Science or Bioinformatics
5. Industrial
6. Engineering Physics
7. Electrical
8. Mechanical or Aerospace
9. Undecided
SEAS Majors

- Aerospace Engineering
- Bioinformatics
- Biomedical Engineering
- Chemical Engineering
- Civil Engineering
- Computer Science
- Computer Engineering
- Electrical Engineering
- Engineering Physics
- Environmental Engineering
- Industrial Engineering
- Mechanical Engineering

You may have declared a major, or not.

It is easy to switch in freshman year

EAS 140 introduces the engineering professions

You can learn more by talking with advisors, faculty, and students and from the SEAS website: http://engineering.buffalo.edu/

More about careers can be found at Career Cornerstone Center: http://www.careercornerstone.org/
Academic Curriculum


> Sophomore: Calculus, Differential Equations, EAS/CSE classes, Gen. Ed.

> Junior: Required engineering/CSE classes, technical electives, Gen. Ed.

> Senior: Required engineering/CSE classes, technical electives, Gen. Ed., design classes
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Office of Undergraduate Education Academic Advisors
Who is my advisor?

- For freshman and sophomore year requirements, general education, and degree audit:

  410 Bonner Hall
  (716) 645-2774
  ubengineer@buffalo.edu

- We do not assign you a specific advisor; you have access to all of us!

- If you would like to consistently see one particular advisor, all you need to do is request to see that advisor each time you make an appointment.

- During junior and senior years, advisement primarily comes from department faculty.
Office of Undergraduate Education

410 Bonner Hall - (716) 645-2774 - ubengineer@buffalo.edu

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Qian Chen
IT Specialist
qchen37@buffalo.edu

http://www.eng.buffalo.edu/undergrad/
Finish in 4

What is Finish in 4?
> An initiative to encourage students to complete their undergraduate degree in 4 years
> A pledge between the student and the university
> A UB student’s roadmap to success

Benefits to students:
> A detailed 8 semester plan of classes
> Additional sections of many first-year courses
> Close monitoring and assistance from an academic advisor
> Financial Aid well-checks
> A Personal Librarian
> Career Planning

http://advising.buffalo.edu/fif/
Notes for Finish in 4 Students:

Students majoring in computer engineering (CEN), computer science (CS), or bioinformatics (BCS) must complete a freshman seminar like UBE 101 their first year (very few seminars will be offered in spring 2016).

**UBE 101: University Experience**
Weekly seminar that assists first-year students in making the transition to the university. Through a small, interactive classroom environment intended to engage students in learning, we provide resources, foster important relationships, and help students to understand their responsibilities and privileges within the university community. A faculty or staff member and an undergraduate peer mentor collaboratively teach the course. 1 credit hour, Pass/Fail.

Honors Scholars majoring in CEN, CS, or BCS may complete UE 102 The Honors College Colloquium instead of UBE 101.

Students majoring in any engineering discipline other than computer engineering must complete **EAS 140**. **EAS 140** satisfies the first-term, freshman course requirement stipulated in the Finish in 4 pledge.
# SEAS Finish in 4 Plan

Name: __________________________

Person Number: ___________ Expected Graduation: ___________

Term Admitted to UB: __________ SEAS: __________ Finish in 4 Plan: __________

Previous Colleges Attended: _______________________________________________________

**MECHANICAL ENGINEERING**

**UNIVERSITY AT BUFFALO**

Program date Fall 2010 or later

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tr>
<td>MTH 141 Calculus 1</td>
<td>MTH 142 Calculus 2</td>
<td>MTH 241 Calculus 3</td>
<td>MTH 306 Diff Eq</td>
<td>MAE 335 Fluid Mech</td>
<td>MAE 311 Machines 1</td>
<td>MAE 451 Des Proc &amp; Meth</td>
<td>MAE 494 Design Proj</td>
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<tr>
<td>CHE 107 Chem 1</td>
<td>PHY 107 Physiol 1</td>
<td>PHY 108/158 Physiol 2</td>
<td>EAS 208 Dynamics</td>
<td>MAE 381 Materials I</td>
<td>MAE 364 Man Process</td>
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<tr>
<td>EAS 230 Eng Computation</td>
<td>MAE 201 Thermo</td>
<td>EE 200 or EE 202</td>
<td>MAE 376 App Math for MAE</td>
<td>MAE 334 Lab I</td>
<td>MAE 338 Lab II</td>
<td>MAE 385 Eng Mat Lab</td>
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<tr>
<td>EAS 202 Eng Impact</td>
<td>MAE 277 Intro MAE Prac</td>
<td>MAE 377 Prod Design/CAD</td>
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<td>15 credits</td>
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*MAE 202 is required for students entering UB Engineering as freshmen beginning with the fall 2011 catalog year.

To remain in MAE and to be permitted to take upper-level (300/400 level) MAE Engineering Courses, students must successfully complete the following five courses with at least a 2.2 GPA: MTH 141, MTH 142, PHY 107, EAS 207 & MAE 204.

**Library Skills Workbook**

http://www.eng.buffalo.edu/undergrad/advisement/finish-in-four
All students must follow the proper requirement sequence, including pre/co requisites. Information is readily available:

Program requirements are also outlined in the undergraduate catalog.
If you have not received a passing grade in a prerequisite class, do not proceed!

It is possible that you will be dropped from a course by a department checking prerequisites, but if this doesn’t happen, do yourself a favor and drop the class.

Prerequisites are established because the body of knowledge in a prerequisite class is considered essential for success in the subsequent class.

SEAS will keep an eye on select classes, but do not wait for us to drop you...seek advisement, if necessary, and change your schedule when the best course opportunities exist!
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 (unless surplus seats are open the first week of classes or you submit a successful petition by the third week of the previous term; must be for same type of term in which you initially attempted the course).

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!
The following courses have been designated as controlled enrollment courses for the 2015-2016 academic year:

| BIO 200 Evolutionary Biology       | MTH 142 College Calculus 2 |
| BIO 201 Cell Biology              | MTH 241 College Calculus 3 |
| CHE 101 General Chemistry         | PHY 101 College Physics    |
| CHE 102 General Chemistry         | PSC 101 Intro to American Politics |
| CHE 201 Organic Chemistry         | PSY 101 Introductory Psychology |
| CHE 202 Organic Chemistry         | PSY 207 Psychological Statistics |
| COM 101 Principles of Communication | UGC 111 World Civilization 1 |
| ECO 181 Intro to Macroeconomics   | UGC 112 World Civilization 2 |
| ECO 182 Intro to Microeconomics   |                           |
| ENG 101 Writing 1                 |                           |
| ENG 102 Writing 2                 |                           |
| ENG 201 Advanced Writing 1        |                           |
| MTH 121 Survey of Calculus 1      |                           |
| MTH 131 Math Analysis for         |                           |
| Management                        |                           |
| MTH 141 College Calculus 1        |                           |
By accepting responsibility for their education, students enhance the development of their academic, social, and career goals.

SUNY requires all UB students to acknowledge receipt of and affirm our UB Rules & Regulations before they will be permitted to register for classes. You will be unable to register for future classes unless you complete the affirmation form.

Avoid a future registration hold, affirm in advance, see: http://www.student-affairs.buffalo.edu/judicial/rulereg.php

As a condition of enrollment, students are responsible for reviewing, understanding, and abiding by the university’s regulations, procedures, requirements, and deadlines as described in official publications, including the university’s undergraduate catalog, UB Web sites, and official university e-mail communications.

Asserting a lack of knowledge of university regulations will not be accepted as a basis for an exception to these regulations.

http://undergrad-catalog.buffalo.edu/policies/need
SEAS Academic Advisement

> Academic Advisement Overview
> Advisement Tools
Undergraduate Catalog

http://undergrad-catalog.buffalo.edu/

Step by Step Guide: http://advising.buffalo.edu/help/catalog.php
HUB Student Center through MyUB
See Student Center HOW TOs:
http://www.buffalo.edu/hub/students/howto.php
To enroll (register) for classes you will first have to go to the HUB Student Center. The Student Center is a self-service page that provides navigation to tools and information that is important to you. To reach the Student Center click the HUB Student Center tab from MyUB.

Click the HUB Student Center tab.
Class Schedule (listing of classes offered)

http://registrar.buffalo.edu/schedules/
HUB Student Center: Advisement Report

A tool that helps students and advisors track degree requirements (University Requirements including General Education, and Major Requirements).

Different than UB transcript because it also includes Non-UB work (AP credit, transfer courses, etc.).
# Academic Advisement Report

## Undergrad Catalog

- Registration
- Advisement Report
- Websites

### My Academic Requirements

- **COURSE HISTORY**
- **UNIVERSITY REQUIREMENTS FOR GRADUATION**
- **GENERAL EDUCATION**
- **SEAS CO-OP NOTICE**
- **SEAS REQUIREMENTS**
- **COURSES NOT ALLOCATED TO MAJOR, MINOR, OR GENERAL EDUCATION REQUIREMENTS**
- **MECHANICAL ENGINEERING B.S.**

This report was last generated on 06/29/2012 1:47PM. (Printable Version)
http://engineering.buffalo.edu

Resources for you in particular!
Welcome

Welcome to our UB Undergraduate Engineering virtual home! Whether you are a current or prospective student, here you will find a wealth of information about our vibrant school.

Increasingly, UB Engineering is becoming the first choice for top students because of our exceptional academic quality, our friendly and supportive community, and our incredible palette of opportunities that will add both breadth and depth to your engineering education. If you explore some of the links from this page, I think you'll see what I mean.

As a UB engineer, you will be taught by award-winning faculty and live and learn alongside gifted and highly motivated students, just like you. Every day I see our engineering students doing incredible things. If you're not yet part of the UB Engineering family, I hope you'll consider joining us.

Jeffrey R. Errington
Professor and Associate Dean
jerring@buffalo.edu

Videos

Engineering Faculty
Faculty Members Igor Jankovic, Ann Bisantz, and Kemper Lewis walk you through their favorite aspects of the UB experience.

Watch Now (4:47)

Engineering Choice
Listen to our students tell you about the reasons they're glad they chose UB.
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  Office of Undergraduate Education Academic Advisors
Where to go?

Students who are **not registered**
(and not recently advised and told their schedule packet would be mailed to them)

**follow Ryan F. to 414 Bonner for**
**your group advisement session**
Senior Academic Advisors will help
start the advisement/registration process for fall classes.

Students who **are already registered**
(or were recently advised and told their schedule packet would be mailed to them):

**Follow one of these Orientation Leaders.....**
Next: Your 1st semester schedule

Undecided (EAS) and Industrial Engineers (IE): follow **Shawn** to **209 Norton** (Advisor: Margaret [Jo] Meachem)

Computer Science (CS) and Computer Engineers (CEN): follow **Jared** to **338A Davis** (Advisor: Donna Grant)

Biomedical (BE) and Chemical Engineers (CE): follow **Ryan B.** to **230A Davis** (Advisor: Jane Sinclair)

Civil (CIE), Electrical (EE), and Environmental Engineers, (ENV) and Engineering Physics (EGP): follow **Emma** to **113A Davis** (Advisor: Kerry Collins-Gross)

Aerospace (ASE) and Mechanical Engineers (ME): stay here in **101 Davis** with **Steven** (7/20)/ **Janet** (7/23 +7/27) (Advisor: Drexel Gidney)