



ILLINOIS INSTITUTE OF TECHNOLOGY

Armour College of Engineering

Department of Civil, Architectural, and Environmental Engineering

New Undergraduate Student Advising Information

For Summer/Fall 2021

Welcome to Illinois Tech and the Department of Civil, Architectural, and Environmental Engineering!

This document provides information on academic advising for incoming undergraduate students. The advising process for all undergraduate students is generally as follows: each semester, you will reach out to your academic advisor (which is available in myIIT and in your admission letter) and propose a list of courses that you think you will take for the upcoming semester. Your advisor will provide advice as needed, and then provide you with a PIN so you can register. Note that your PIN changes each semester, so you need to repeat this process every time you register for a new semester (contact your advisor one or two weeks prior to your registration date).

For your 1st semester, your advisor will play a larger role in helping lay out a course plan for you. If you're a 1st year student at IIT, **you should first complete your academic placement tests** prior to contacting your advisor:

<https://www.iit.edu/resources-admitted-students/undergraduate/academics-and-advising>. If you're a transfer student, you should follow our published transfer credit guides (if available for your prior school) or contact the Illinois Tech transfer team at transfer@iit.edu: <https://www.iit.edu/admissions-aid/undergraduate-admission/transfer-students/transfer-faqs>

From there, general information on the registration process is here: <https://web.iit.edu/registrar/registration/how-register>

Before you plan your schedule, you should familiarize yourself with your degree curriculum flow chart, which are available here for all of our undergraduate degrees in CAEE: <https://www.iit.edu/caee/student-resources>. The curriculum flow charts are also attached at the end of this document. Direct links to each program requirements are also provided below:

Civil Engineering: <https://www.iit.edu/academics/programs/civil-engineering-bs>

Architectural Engineering: <https://www.iit.edu/academics/programs/architectural-engineering-bs>

Engineering Management: <https://www.iit.edu/academics/programs/engineering-management-bs>

Most full-time students take between 15 and 18 hours in each semester. Depending on your Math and English placement test scores, and any transfer or AP credits, most (but not all) first-year students should register for everything on the first row of classes in the curriculum flow charts in their first fall semester. For Civil Engineering and Architectural Engineering students, that is: CAE 100, CAE 110, CAE 105 (note: lecture + lab sections), CHEM 124 (note: lecture + lab sections), MATH 151, and a HUM 200 level course (e.g. HUM 200, 202, 204, etc.). You can register for some courses (e.g. CAE 100, 105, 110, etc.) any time prior to taking the Math/English placement tests. You should familiarize yourself with the registration system by trying to register for these courses. Note that some days and times of some courses may fill up with students as the semester nears, so you should act on the process quickly to reserve your preferred days/times of course sections.

You should take a look at the links above, investigating the days and times each course is offered (shown in the IIT course registration system in myIIT), and let your advisor know what you think you would like to take in the upcoming semester. Your advisor will then provide advice and recommend modifications as necessary. You may also find this third-party course visualizer helpful: <http://pop.weclarify.com>. It is not an official Illinois Tech service, but it does scrape course information from our system and put it in a convenient course scheduler tool. Note that it may not be 100% accurate, but it is useful.

For subsequent semesters, you should first consult DegreeWorks in myIIT to see your degree progress and also consult your degree curriculum flow charts to evaluate progress and draft a plan for the following semester prior to contacting your advisor with a tentative plan.

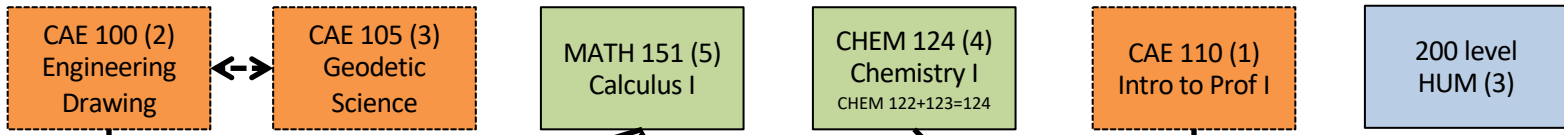
You can also sign up for a summer advising session through SOAR if you have not already: <https://www.iit.edu/resources-admitted-students/undergraduate/events-and-orientation/soar>. There you can meet with your advisor in person and go through your degree program and any questions you might have. I highly recommend this for new students, although it is not a requirement.

Last, if you have any issues with transfer or AP credits, or other similar academic issues, you can email the Office of Undergraduate Academic Affairs (UGAA@iit.edu) and CC your advisor. General information on AP scores and credits are available here: <https://web.iit.edu/ugaa/services/advanced-placement-policy>.

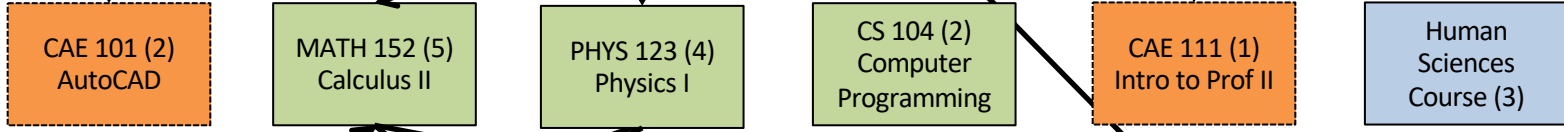
Bachelor of Science in Civil Engineering Curriculum

Last updated: Spring 2021

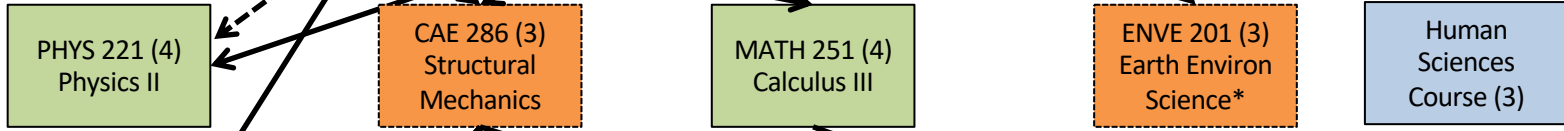
Semester 1 – Fall (18 hours)



Semester 2 – Spring (17 hours)

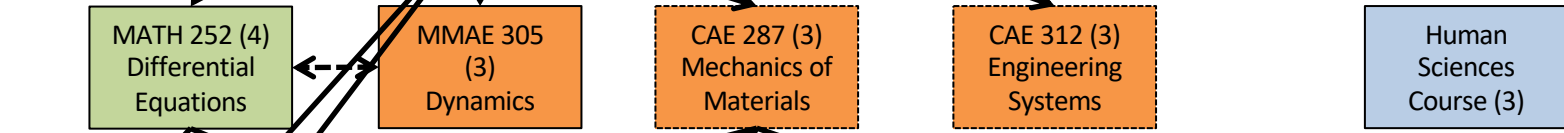


Semester 3 – Fall (17 hours)

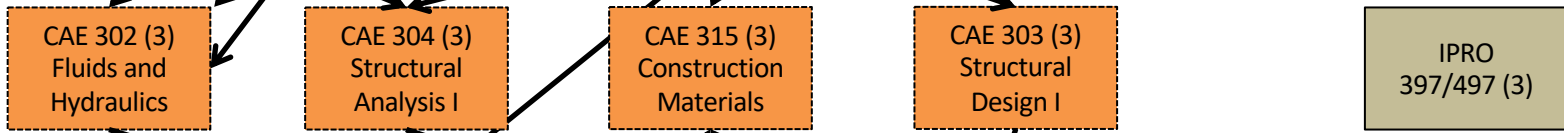


*Or: PHYS 360, BIOL 105, or CAE 221

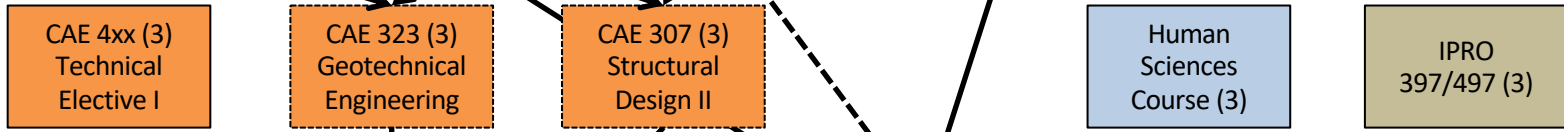
Semester 4 – Spring (16 hours)



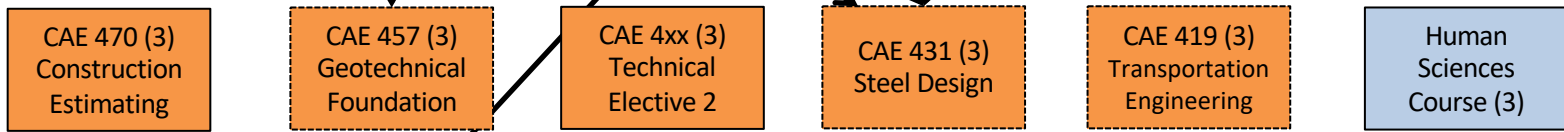
Semester 5 – Fall (15 hours)



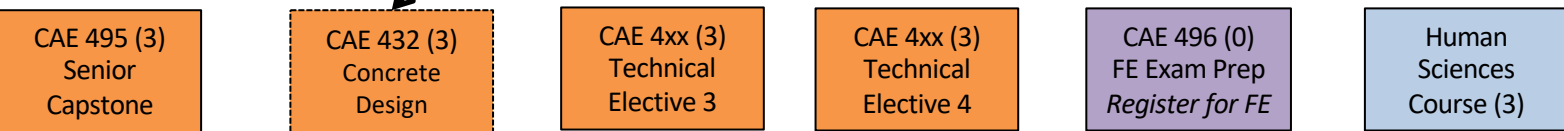
Semester 6 – Spring (15 hours)



Semester 7 – Fall (18 hours)

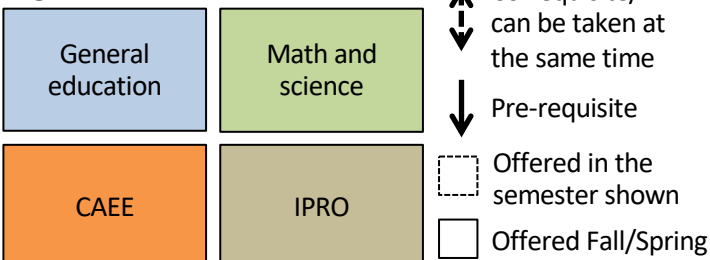


Semester 8 – Spring (15 hours)



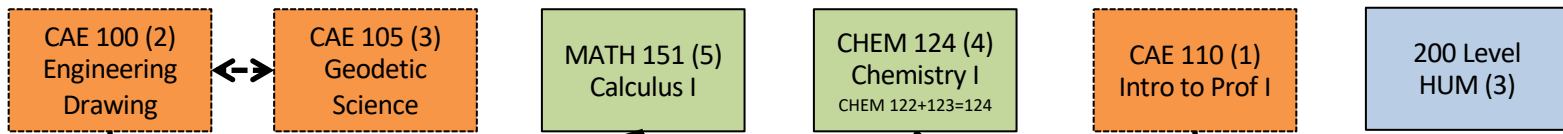
Total credit hours required: 131 (ABET accredited)

Legend:

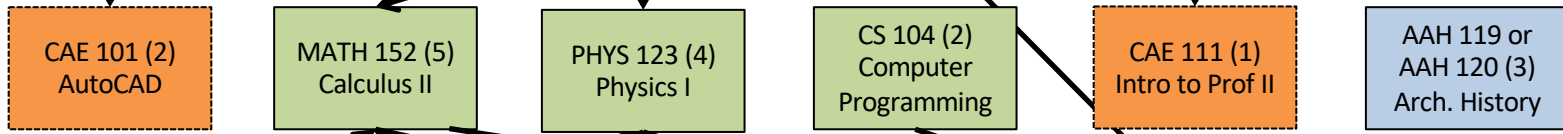


- MMAE 200 can sub for CAE 286; MMAE 202 can sub for CAE 287
 - Technical electives must be CAE, ENVE, or EG 400- or 500-level
 - Recommended maximum of 1 EG elective
- Human Sciences requirements:**
- 6 hrs of humanities (AAH, COM, HIST, HUM, LIT or PHIL) @ 300/400 level
 - 9 hrs of social/behavioral sciences (ECON, PS, PSYC, SOC, SSCI):
 - 6 hrs @ 300/400 level & 6 hrs from single field
 - SSCI and PS are the same field; SSCI and SOC are the same field
 - 3 hrs of any level either humanities or social/behavioral sciences

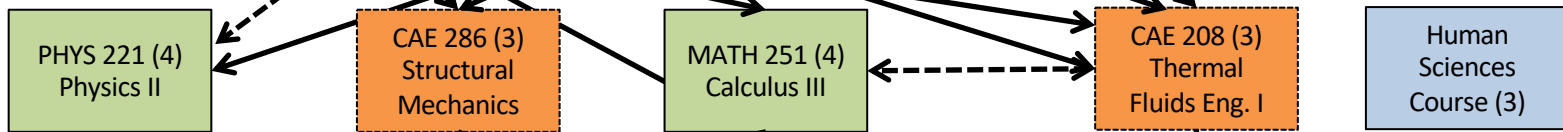
Semester 1 – Fall (18 hours)



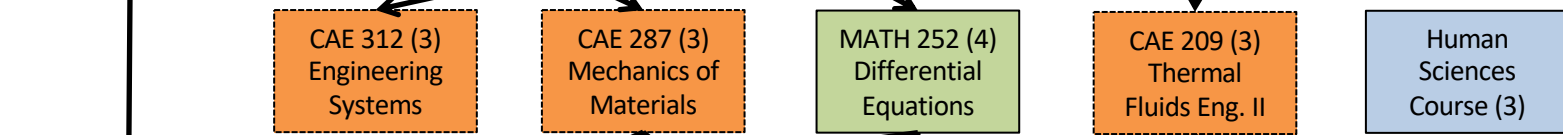
Semester 2 – Spring (17 hours)



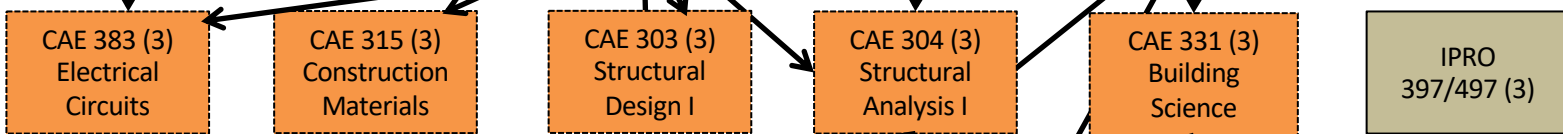
Semester 3 – Fall (17 hours)



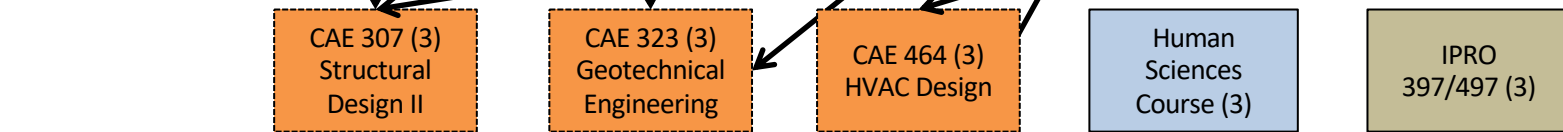
Semester 4 – Spring (16 hours)



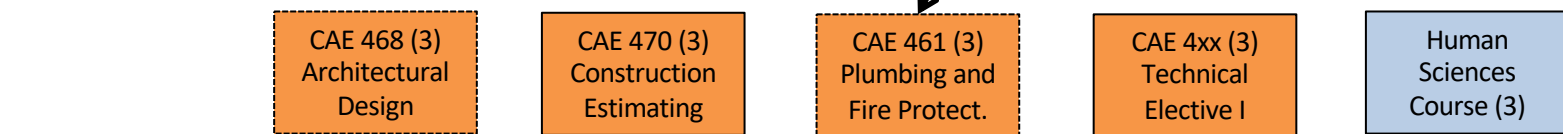
Semester 5 – Fall (18 hours)



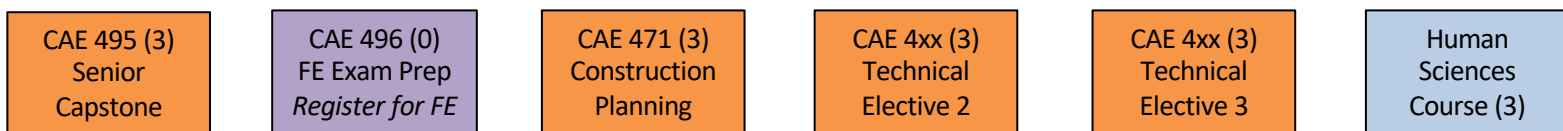
Semester 6 – Spring (15 hours)



Semester 7 – Fall (15 hours)

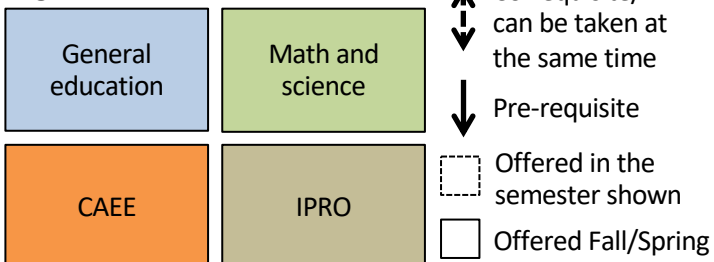


Semester 8 – Spring (15 hours)



Total credit hours required: 131 (ABET accredited)

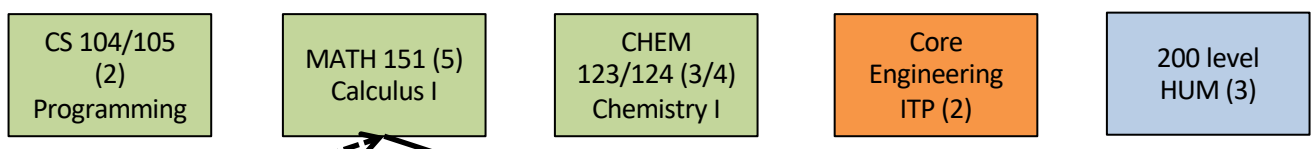
Legend:



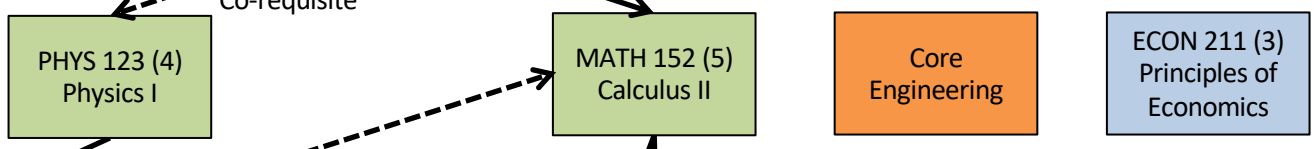
- MMAE 200 can sub for CAE 286; MMAE 202 can sub for CAE 287
 - MMAE 320 can sub for CAE 208; MMAE 313 can sub for CAE 209
 - Technical electives must be CAE, ENVE, or EG 400- or 500-level
 - Recommended maximum of 1 EG elective
- Human Sciences requirements:**
- 6 hrs of humanities (AAH, COM, HIST, HUM, LIT or PHIL) @ 300/400 level
 - 9 hrs of social/behavioral sciences (ECON, PS, PSYC, SOC, SSCI):
 - 6 hrs @ 300/400 level & 6 hrs from single field
 - SSCI and PS are the same field; SSCI and SOC are the same field

Bachelor of Science in Engineering Management Curriculum

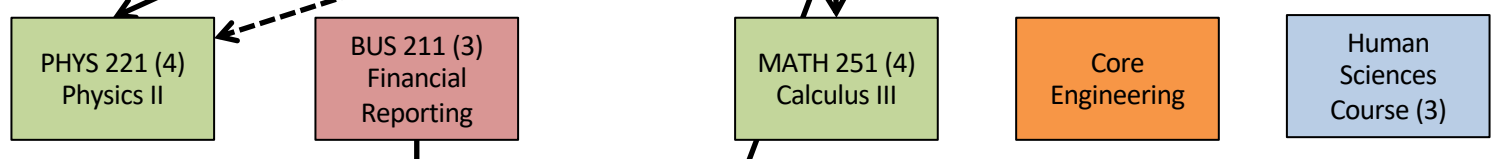
Semester 1 – Fall



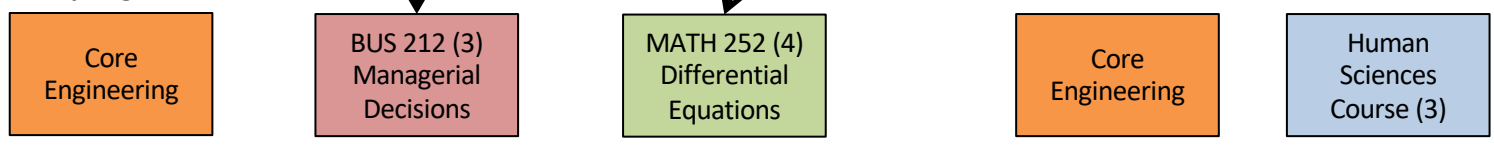
Semester 2 - Spring



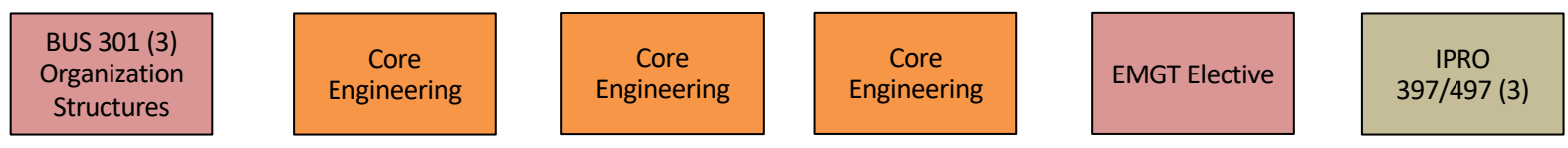
Semester 3 - Fall



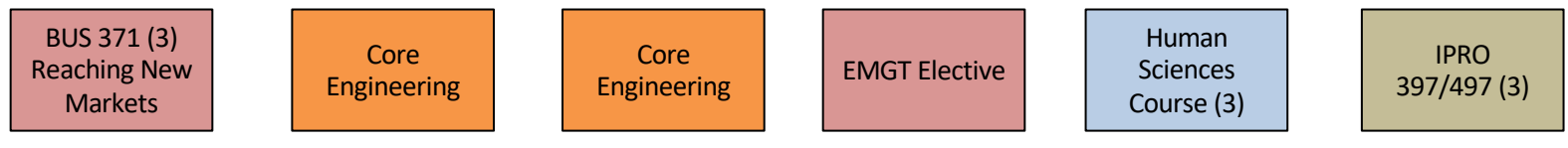
Semester 4 - Spring



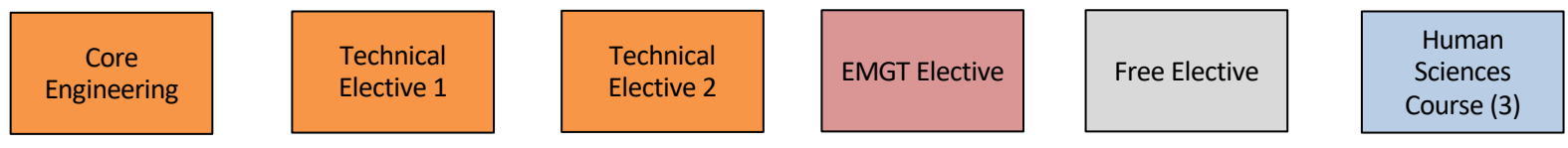
Semester 5 - Fall



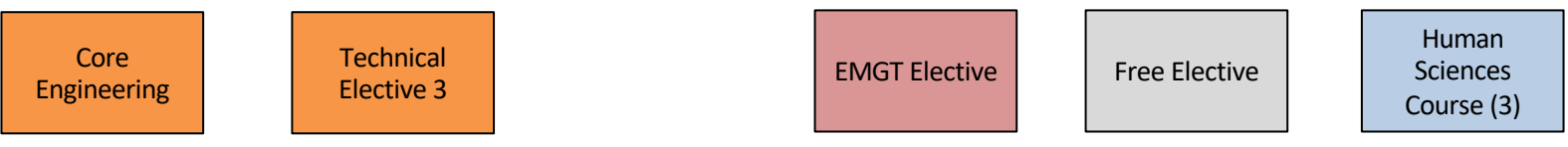
Semester 6 - Spring



Semester 7 - Fall

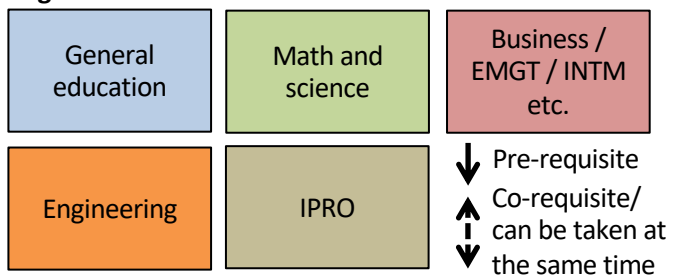


Semester 8 - Spring



Total credit hours required: 127-128

Legend:



- Program is not ABET accredited
 - Specializations include: Aerospace, Architectural, Biomedical, Chemical, Civil, Computer, Electrical, Materials Science, and Mechanical Engineering, and Computer Science
- Human Sciences requirements:**
- 6 hrs of humanities (AAH, COM, HIST, HUM, LIT or PHIL) @ 300/400 level
 - 9 hrs of social/behavioral sciences (ECON, PS, PSYC, SOC, SSCI):
 - 6 hrs @ 300/400 level & 6 hrs from single field
 - SSCI and PS are the same field; SSCI and SOC are the same field