



Continuous line = prerequisite, dashed line = pre- or co-requisite, solid corner triangle=critical path, *=WI

Green - ChE; Red - Discovery Program; Black - Other

Advising Notes (Chemical Engineering) WITH OPTION (Bioengineering, Energy or Environmental)

No MATH 418 – Incoming students without AP credit should attempt to place into MATH 425. If successful, move the math sequence up one semester.

AP Math – A 4 on the AB exam or a 3 on the BC exam gives credit for MATH 425. Students may choose to take MATH 425 anyway. With a 5 on the AB exam, students should use the AP credit and start with MATH 426. With a 4 on the BC exam, the student also gets credit for 426 but may choose to take 426 anyway. With a 5 on the BC exam, the student should use the AP credits and start with MATH 527.

Discovery Requirements

Discovery Foundations

One course in writing skills (ENGL 401)
One course in quantitative reasoning (MATH 425)

Inquiry

One Inquiry course (CHE 502)

Discovery in the Disciplines

Biological Science	Physical Science (PHYS 407 OR CHEM 405)
Fine and Performing Arts	Humanities
Historical Perspectives	World Cultures
Social Science	Environment, Technology and Society (ChE students are exempt)

Students must take one course in each category at the 400 – 600 level

Discovery and Integrative Understanding

Senior Capstone Experience/Course (CHE 708)

Students must get an average grade of C or better in CHE 501/502 to continue in the program.

Students must earn at least 133 credits with a minimum 2.0 GPA overall to graduate. This is based on the assumption that students start the program with MATH 425 and not MATH 418. If students start with MATH 418, they will need 137 credits to graduate if they choose an option.

Study Abroad (Exchange) Chemical engineering students are required to have a cumulative GPA of 3.00 or better in Math, Physics, Chemistry and CHE courses at the end of the semester prior to their exchange semester.

Students must have a grade point average of 3.0 or higher if they plan to do an Independent Project (CHE 695) to satisfy an Option elective or otherwise. Please note that Independent Project or Study cannot be used to satisfy a ChE elective or Tech Elective. Students who wish to do an Independent Study must complete a form (click [here](#) to download form) and get the approval of the Instructor and Department Chair.

Please note that you can only register for 20 credits per semester. Also, when you pre-register for classes, you may only register for 18 credits maximum. To register for 20 credits per semester, please pre-register for 16-17 credits and then do an add/drop for the remaining 4 or 3 credits (total 20) at the beginning of the semester.

Options

Departmental options provide our students with an additional opportunity to focus on special areas of interest. Currently, the available options are

- [Bioengineering](#)
- [Energy](#)
- [Environment](#)