



OFFICE OF EXTENDED STUDIES

Freshmen Connection 2019 Course Recommendations

Engineering (Bioengineering, Chemical & Biomolecular, and Materials)

Note - Engineering is a Limited Enrollment Program to which you can apply only after you have completed the program's gateway requirements (see www.lep.umd.edu). If you are interested in Engineering, your official major is most likely **Letters and Sciences**. You may register for up to 17 credits.

Carefully review the information below for help in determining which courses to choose this fall if you are considering an Engineering degree.

Recommended Fall courses for students considering Engineering:

- MATH140* (MATH115 is the prerequisite) or MATH141 (if you will be transferring credit for Calculus I)
- CHEM135 and CHEM132 (students with credit for CHEM131 may wait and register for CHEM134 in the Spring term-- *please consult an academic advisor.*)
- UNIV100

*MATH140 section FC07 is recommended, however other sections can work as well.

Other courses for students considering Engineering:

- General Education requirements: AW, OC, HU (up to 2), HS (up to 2), SP (see [Courses by General Education Requirement sheet](#))

Restricted Fall courses for students considering Engineering: (do **not** take the following)

- General Education requirements: AR (other than MATH140), NL, NS

- 1) If you are taking AP/IB exams or bringing in Transfer Credit, visit the [University's Transfer Credit Services](#) to see how your credits will transfer. You may be bringing in credit for a recommended course. If this is the case, do NOT take the course at the University of Maryland.

If you anticipate bringing in credit for MATH140, we encourage you to visit the University's Math test bank (<http://www-math.umd.edu/testbank.html>) and review MATH140 exams and the course syllabus to see if you understand all of the course content. Only after doing this should you enroll in MATH141.

- 2) Times and course descriptions for all classes may be found on the [Schedule of Classes](#). You will need to make sure that the courses you choose are open and that the times do not conflict (you can download a schedule worksheet [here](#)).
- 3) If a mathematics course is required, choose the course that seems like the best fit based on your level of high school math. If more than one math course is listed, include the lower-numbered course as an alternate in case you do not test into the course of your choosing.

Students may also access the [UMD Math Testbank](#) to review prior years' final exams, answer keys and syllabi.

If a course you choose has a mathematics prerequisite (such as CHEM135), you MUST list an alternate course.

- 4) If a course is required for your intended major, include it on your enrollment form even if it appears closed. Be sure to list an alternate course.
- 5) Once you have chosen sections of the above courses that do not conflict, include them under the Primary Course Request and Alternate Course Request table on the [FC Enrollment Form](#).
- 6) Your Course Request will be reviewed by an academic advisor and you will be contacted by e-mail if there are any issues with the courses you have chosen. If you need additional assistance choosing classes, please contact an advisor at 301.405.7762 or fc@umd.edu. In-person and phone appointments are available Monday through Friday 9:00 am – 4:30 pm.