

Chemistry Area of Concentration, A.S. STEM

Frederick Community College Suggested Transfer Pathway



Catalog Year 2020-2021

| | FCC Course | Credits | University of Maryland College Park B.S. Chemistry | Towson Chemistry Major | Mount St. Mary's B.S. Chemistry | Hood College B.A. Chemistry |
|---------------|---|---------|---|---|--|--|
| Semester 1 | 1 ENGL 101 English Composition | 3 | ENGL 101* | ENGL 101* | ENGL 101* | ENGL 101* |
| | 2 CHEM 101 General Chemistry | 4 | CHEM 101* | CHEM 101 | CHEM 101* | CHEM 101* |
| | 3 MATH 185 Calculus I (Prerequisite MATH 165) | 4 | MATH 185* | MATH 185 | MATH 185 | MATH 185* |
| | 4 Humanities Gen Ed | 3 | Choose | PHIL 105, 207, 208, or 210 | PHIL 101 | World Language 101 or 102** |
| | 5 Physical Education, Health, or Nutrition Requirement | 1/3 | Choose | Choose | Choose | Choose |
| Semester 2 | 6 CHEM 102 General Chemistry II | 4 | CHEM 102* | CHEM 102 | CHEM 102* | CHEM 102* |
| | 7 BSCI 150 Principles of Biology I | 4 | BSCI 150* | BSCI 150 (transfers as elective) | BSCI 150* | BSCI 150* |
| | 8 Social & Behavioral Sciences Gen Ed | 3 | Choose | Choose | HIST 201 or 202 | GEOG 101 or 102 |
| | 9 MATH 195 Calculus II | 4 | MATH 195* | MATH 195 | MATH 195 | MATH 195* |
| Semester 3 | 10 PHYS 151 General Physics I | 4 | PHYS 151* | PHYS 151 | PHYS 151 | PHYS 151* |
| | 11 Communications Gen Ed | 3 | COMM Gen Ed | Choose | Choose | Choose |
| | 12 Social & Behavioral Sciences in a different discipline from the first | 3 | Choose | Choose | Choose | Choose |
| | 13 CHEM 201 Organic Chemistry | 4 | CHEM 201* | CHEM 201 | CHEM 201* | CHEM 201* |
| | 14 Arts Gen Ed | 3 | Choose | Choose | Choose | Choose |
| Semester 4 | 15 Choose an elective in consultation with an advisor | 3 | PHYS 252* | PHYS 252 | PHYS 252 | PHYS 252* |
| | 16 Gen Ed Elective | 3 | MATH 285 (recommended) | Choose | Choose | World Language 102** |
| | 17 Choose an elective in consultation with an advisor | 3 | Choose | Choose | Choose | Choose |
| | 18 CHEM 202 Organic Chemistry II | 4 | CHEM 202* | CHEM 202 | CHEM 202* | CHEM 202* |

Important Notes: The schools represented here are only a small sample of transfer options. Information is subject to change, and this suggested pathway is a guide, not a contract. Students should use this in consultation with an FCC advisor, the FCC catalog, [ARTSYS](#) (the state-wide online transfer system), and an advisor at the transfer institution. See the “Pathway Notes” section for more detailed information. **Guided Pathway to Success (GPS)** Suggested schedules map your path to degree completion.

Full-time student: Follow the green semester blocks in order. **Part-time student:** Follow the blue course sequence at your own pace.

Pathway Notes

* must earn a grade of “C” or higher in this course

Transfer Institution Information

University of Maryland College Park’s Chemistry program is a Limited Enrollment Program. Students must earn a grade of “C” or better in gateway courses (MATH 185, MATH 195, CHEM 101, CHEM 201) and a “C” or better in all courses is required for the major.

****Hood** Students who transfer to Hood College with a completed A.A. will have met Hood’s lower level general education core requirements, and will not need to take World Languages.

Advising

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests.

The Counseling & Advising Office offers general advice: emailadvising@frederick.edu • 301.846.2471 • frederick.edu/advising

Program managers offer specific academic area advice: frederick.edu/programs

Completing the Pathway

Students who take fewer than 15 credits each semester or who require developmental English or math coursework will need additional semesters to complete their degrees. Summer and January term classes may help students to make faster progress.

General Education CORE courses can often be taken in any semester. One course must be designated as a Cultural Competence course. A minimum of nine credits must be taken at the 200 level. Refer to the college catalog (frederick.edu/class-schedules) for course details and the list of General Education and Cultural Competence classes.

Reverse Transfer

FCC students who transfer to another school may transfer credits *back to FCC* from that school to fulfill FCC associate degree requirements. Visit frederick.edu/credit-admissions/reverse-transfer or contact an advisor for more information.