

Chemistry

Area of Concentration within the A.S. in STEM

Frederick Community College Pathway

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.

Students should meet with an advisor each semester to carefully select and sequence courses based on their specific academic goals and interests. Visit Jefferson Hall or call 301.846.2471 (301.846.2625 TDD) for advising.

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 for course details and the list of General Education and Cultural Competence classes.

<http://www.frederick.edu/class-schedules.aspx#catalog>

Students are strongly recommended to consult an FCC advisor to select elective courses. Students planning to transfer may also reference ARTSYS, the Maryland Articulation System, www.artsys.usmd.edu.



Take this course within the first 24 credits.



Milestone course – take within recommend credit range to stay on track for completion.



This course is offered in the fall semester only.



This course is offered in the spring semester only.

1 Recommended First Semester

1	Gen Ed CORE	EN 101 English Composition		3 credits
2	Gen Ed CORE	MA 210 Calculus I (Prerequisite MA 111)*		4 credits
3	Gen Ed CORE	CH 101 General Chemistry		4 credits
4	Gen Ed CORE	Humanities Gen Ed		3 credits
5	PE/Health	PE/Health Requirement		1 credits

2 Recommended Second Semester

6	Gen Ed CORE	Arts Gen Ed		3 credits
7	Gen Ed CORE	BI 101 General Biology		4 credits
8	Concentration	CH 102 General Chemistry		4 credits
9	Concentration	MA 211 Calculus II		4 credits

3 Recommended Third Semester

10	Gen Ed CORE	Communications Gen Ed		3 credits
11	Concentration	CH 201 Organic Chemistry		4 credits
12	Gen Ed CORE	Social & Behavioral Sciences Gen Ed		3 credits
12	Concentration	Choose an elective in consultation with an advisor**		3 credits
13	Gen Ed CORE	General Education Elective		3 credits

4 Recommended Fourth Semester

15	Concentration	Choose an elective in consultation with an advisor**		3 credits
15	Concentration	PY 203 Introductory Physics I		4 credits
15	Gen Ed CORE	Social & Behavioral Sciences in a different discipline from the first		3 credits
16	Concentration	CH 202 Organic Chemistry		4 credits

*Students who have not taken MA 111 Precalculus should take it as an elective before starting the Calculus sequence.

**Recommended electives include MA 212 Calculus III or MA 214 MatLab