

## CHEMISTRY – BIOCHEMISTRY



- This is a suggested **MAP** for students interested in this **FIELD**. It does not represent a contract or guarantee course availability.
- Following the **MAP** provides students with the best chance for course transferability.
- This **MAP** is designed for full-time students, but the suggested courses apply to all! Customize a path by **ADDING** semesters, including **SUMMER**.

### Choose ONE course from each row unless otherwise indicated

Semester 1	Core42?	Credits	Notes
ENG-101: English Composition I	Yes	3	
CHM-115: General Chemistry I	Yes	5	See Info (pg. 2)
MAT-180: Calculus and Analytic Geometry I		5	See Info (pg. 2)
HIS-101: U.S. History to 1877 or POL-101: American Government	Yes	3	
COL-101: College Success Seminar		1	
Semester Hours: 17/Cumulative Hours: 17			
Semester 2	Core42?	Credits	Notes
BIO-150: General Biology: From Cells to Organisms	Yes	5	See Info (pg. 2)
CHM-116: General Chemistry II		5	See Info (pg. 2)
ENG-102: English Composition II	Yes	3	
COM-101: Introduction to Communication or COM-110: Interpersonal Communication	Yes	3	
Semester Hours: 16/Cumulative Hours: 33			
Semester 3	Core42?	Credits	Notes
CHM-240: Organic Chemistry I		3	See Info (pg. 2)
CHM-222: Quantitative Analysis		4	<b>Only offered in Fall</b> See Info (pg. 2)
PHY-150 & PHY-153: General Physics I and Lab or PHY-250: Engineering Physics I*	Yes	4-5	Check transfer institution for best choice. See Info (pg. 2)
BIO-151: General Biology: From Organisms to the Environment or MAT-230: Calculus and Analytic Geometry II*		5	Check transfer institution for best choice. See Info (pg. 2)
Semester Hours: 16-17/Cumulative Hours: 49-50			
Semester 4	Core42?	Credits	Notes
CHM-241: Organic Chemistry II		3	See Info (pg. 2)
CHM-243: Organic Chemistry Lab		2	See Info (pg. 2)
PHY-151 & PHY-154: General Physics II and Lab or PHY-251: Engineering Physics II		4-5	Check transfer institution for best choice. See Info (pg. 2)
MUS 111: Music Appreciation or ART 1001: Art Appreciation	Yes	3	Additional course options available – see pg 2
PHL 160: Ethics or SOC 101: Introduction to Sociology or PSY 101: Introduction to Psychology	Yes	3	Additional course options available – see pg 2
Semester Hours: 15-16/Cumulative Hours: 64-66			

Course	Co-Requisites	Pre-Requisites
CHM 115: General Chemistry I		MAT 121 with a grade of C or better & 1 year of high school chemistry or equivalent
CHM 116: General Chemistry II		MAT 158 with a grade of C or better & CHM 115 with a grade of C or better
CHM 222: Quantitative Analysis		CHM 116 with a grade of C or better
CHM 240: Organic Chemistry I		CHM 116 with a grade of C or better
CHM 241: Organic Chemistry II	CHM 243	CHM 240 with a grade of C or better
CHM 243: Organic Chemistry Lab	CHM 241	CHM 240 with a grade of C or better
MAT 180: Calculus and Analytic Geometry I		MAT 171 with a grade of C or better or MAT 158 & 168 with a grade of C or better
MAT 230: Calculus and Analytic Geometry II		MAT 180 with a grade of C or better
BIO 150: General Biology: From Cells to Organisms	CHM 115	
BIO 151: General Biology: From Organisms to the Environment	CHM 115	
PHY 150: General Physics I	PHY 153	MAT 158
PHY 151: General Physics II	PHY 154	PHY 150 & PHY 153
PHY 153: General Physics I Lab	PHY 150	
PHY 154: General Physics II Lab	PHY 151	PHY 150 & 153
PHY 250: Engineering Physics I		MAT 180
PHY 251: Engineering Physics II		MAT 230 & PHY 250

## Pathway Considerations

### Chemistry - Biochemistry: Info and Requirements

- <https://www.stchas.edu/academics/departments/Chemistry> or visit [www.stchas.edu/Pathways](http://www.stchas.edu/Pathways)
- This is a suggested course sequence. There may be additional general education or elective courses available. See Department Chair or Advisor for more information.
- Some course choices depend on the intended transfer institution. See Department Chair or Advisor for more information.
- Deviation from the chemistry sequence will result in delay of degree completion. CHM-115 should be taken during the first semester. Please see Department Chair or Advisor for more information.
- Transferability of courses is dependent on the transfer institution; however, SCC makes every effort to make sure that courses in your Pathway transfer to most state, public universities and colleges.
- Prerequisites will not be waived. Make sure to complete all prerequisites. See Department Chair or Advisor with any questions.

### Some Important Things About Pathways...

1. Before **registering** for courses, make an appointment with an **Academic Advisor**. They will help make sure you're taking the right courses and sticking to your path.
2. For course descriptions, visit <https://www.stchas.edu/academics/course-descriptions>
3. To organize courses for your upcoming semesters or to register online, visit the **Student Planning App** in the SCC Portal.
4. The order in which you take your courses may be important. Please check with your **Academic Advisor** to make sure you're not forgetting about course **prerequisites**.
5. If you have questions about your Financial Aid eligibility, contact a **Financial Aid Counselor**.
6. The courses in this map were hand-selected to help you achieve your educational goals, which often includes **course transfer**. SCC does its best ensure all courses **transfer**, though transferability is always up to the transfer institution. (See Core42 for exceptions to this rule.)
7. The simplest plan is for you to **stick to the path**. Changes to maps can be made, but please speak with an advisor, a teacher, and/or potential transfer institutions to ensure your substitutions fit your educational goals and needs.
8. Finding a career interest can help you find your Pathway. Consider visiting **Career Services**—they can help!
9. If you're interested in jobs based in Manufacturing & Industry, contact **Workforce Development**.

### Questions about your Pathway?

Career Questions	Career Services · 636-922-8244 · SCM (ADM) 1200
Advising Questions	Academic Advising · 636-922-8241 · SCM (ADM) 1200
Financial Aid Questions	Financial Aid · 636-922-8601 · SCM (ADM) 1113
Jobs in Industry or Manufacturing	Workforce Development · 636-922-8474 · HUM 103
Nursing & Allied Health Advising	Email: <a href="mailto:alliedhealth@stchas.edu">alliedhealth@stchas.edu</a> · CHL 126/127

For more information on Pathways, visit [www.stchas.edu/Pathways](http://www.stchas.edu/Pathways)