

Engineering · Chemistry



- 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
COL-101		1	
CHM-115	Y	5	
EGR-100		1	
ENG-101, ENG-102	Y	3	Selection depends on intended transfer partner
MAT-180		5	
Semester Hours: 15/Cumulative Hours: 15			
Semester 2	Core42?	Credits	Notes
CHM-116		5	Requires CHM-115
EGR-104		3	PLTW credit considered
HIS-101, HIS-102 or POL-101	Y	3	Selection depends on intended transfer partner
MAT-230		5	Requires MAT-180
Semester Hours: 16/Cumulative Hours: 31			
Semester 3	Core42?	Credits	Notes
CHM-240		3	Requires CHM-116
COM-106, COM-110	Y	3	Selection depends on intended transfer partner
MAT-240		5	Requires MAT-230
PHY-250	Y	5	Requires MAT-180
Semester Hours: 16/Cumulative Hours: 47			
Semester 4	Core42?	Credits	Notes
CHM-241		3	Requires CHM-240
CHM-243		2	Taken with CHM-241
ECO-110, ECO-120	Y	3	Selection depends on intended transfer partner
MAT-250		3	Requires MAT-240
PHY-251		5	Requires PHY-250
Semester Hours: 16/Cumulative Hours: 63			
Semester 5	Core42?	Credits	Notes
Semester Hours: 0/Cumulative Hours: 0			

Pathway Considerations

Engineering . Chemical: Info and Requirements

- <https://www.stchas.edu/academics/departments/Engineering> or visit www.stchas.edu/Pathways
- This degree is designed for students intending to transfer to a 4-year university such as Missouri S&T, MIZZOU, SIUE, or the UMSL/WashU joint engineering program. If you wish to transfer to another institution, please coordinate with the Engineering Chair to check transferability.
- The courses listed in the suggested schedule are not required for every area of engineering. Check with the Engineering Chair or the transfer institution to see if a course is required for engineering area desired.
- The Academic Skills Assessment or appropriate ACT scores are required before enrolling in Math or English classes.
- Mathematics courses below the Calculus level typically do not count towards this degree. Coordinate with the Engineering Chair to check eligibility of courses.
- The suggest schedule of courses assumes you are starting in Calculus I, but you can start at any level of mathematics. This may affect the number of semesters needed to complete the degree.
- If you need to change the order of any courses you are encouraged to seek the assistance of the Engineering Chair or and academic advisor to adjust the suggested schedule.

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 · 636-922-8243 or -8244 · SSB 2201
Advising Questions	Academic Advising · 636-922-8241 · SSB 2201
Financial Aid Questions	Financial Aid · 636-922-8712 or -8404 · SSB 2201
Jobs in Industry or Manufacturing	Workforce Development · 636-922-8474 · HUM 103
Nursing & Allied Health Advising	Email: alliedhealth@stchas.edu · CHL 126/127

For more information on Pathways, visit www.stchas.edu/Pathways