CSCU Pathway Transfer Degree: Chemistry Studies, A.A.
Manchester Community College
Catalog Year 2020-21

Please contact a campus advisor for this program
Professor CK Pai, Cpai@manchestercc.edu

These requirements are effective if you declared the Transfer Ticket: CSCU Pathway Transfer Degree: Chemistry Studies. A.A. major for the 2016/17, 2017/18, 2018/19, 2019/20, or 2020/21 academic years.

With this degree, you will be able to transfer to the following majors. Follow this link for important information about when and how to apply for transfer to a State University or Charter Oak State College.

- At Central Connecticut State University
  - Chemistry – General Program, B.S.
  - Chemistry – American Chemical Society Certified, B.S.
- At Southern Connecticut State University
  - Chemistry, B.S.
  - Chemistry – American Chemical Society Approved, B.S.
- At Western Connecticut State University
  - Chemistry – Non-American Chemical Society Approved, B.A.
  - Chemistry – American Chemical Society Approved, B.A.

Here is the recommended course of study for the CSCU Pathway Transfer Degree: Chemistry Studies, A.A. If you are studying part time, simply follow the order of the courses listed here. Note that not all courses will be available every semester. You will notice that in many instances you will be able to choose the specific course you will take from within a category. For a list of the courses from each category that you can choose from, go to Appendix (PDF).

**First Semester** 14-15 credits

- ENG 101 Composition 3 credits
- MAT 254 Calculus I 4 credits
- CHE 121 General Chemistry I 4 credits
- Unrestricted Elective* 3-4 credits
  
  If you have not taken physics in high school, you should use this elective to take PHY 110 Introductory Physics

**Second Semester** 17 credits

- CHE 122 General Chemistry II 4 credits
- MAT 256 Calculus II 4 credits
- Choose one **Written Communication II** course 3 credits
- Choose one **Historical Knowledge and Understanding** course 3 credits
- Choose one **Aesthetic Dimensions** course 3 credits

**Third Semester** 14 credits

- CHE 211 Organic Chemistry I 4 credits
- PHY 221 Calculus-based Physics I 4 credits
- Choose one **Social Phenomena** course 3 credits
Unrestricted Elective* 3 credits

During your last semester at MCC, apply for graduation by the dates found here.

Fourth Semester 14-17 credits
- CHE 212 Organic Chemistry II 4 credits
- PHY 222 Calculus-based Physics II 4 credits
- Choose one Continued Learning and Information Literacy course 3 credits
- Choose one Oral Communication course 3 credits
- Unrestricted Elective* 0-3 credits
  If you have taken PHY 110 or MAT 186, you will not need this elective

Here is another way to look at the degree, by requirements

General Education Requirements 33 credits

Unless a course is specifically designated, such as ENG 101 Composition for Written Communication I, you will have a choice about which course you take. For a list of the courses from each category that you can choose from, go to Appendix (PDF).

- Written Communication I 3 credits
  ENG 101 Composition
- Written Communication II (select one) 3 credits
- Scientific Reasoning 4 credits
  CHE 121 General Chemistry I
- Scientific Knowledge and Understanding 4 credits
  CHE 122 General Chemistry II
- Quantitative Reasoning 4 credits
  MAT 254 Calculus I
- Historical Knowledge and Understanding (select one) 3 credits
- Social Phenomena (select one) 3 credits
- Aesthetic Dimensions (select one) 3 credits
- Oral Communication (select one) 3 credits
- Continued Learning and Information Literacy (select one) 3 credits

Major Program Requirements 20 credits
- CHE 211 Organic Chemistry I 4 credits
- CHE 212 Organic Chemistry II 4 credits
- PHY 221 Calculus-based Physics I 4 credits
- PHY 222 Calculus-based Physics II 4 credits
- MAT 256 Calculus II 4 credits

Unrestricted Electives* 9 credits

*You are free to choose any courses at or above 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements at Central, Eastern and Western Connecticut State Universities or to begin work on completing a minor. Central Connecticut State University does not require that you complete a minor with this major. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC—but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.
CSCU Pathway Transfer Degree: Chemistry Studies, A.A. Credit Total: 62 credits

In order to graduate and be guaranteed admission to a State University or to Charter Oak State College, you must earn an overall 2.0 grade point average.