
TRANSFER TICKET

CSCU Pathway Transfer Degree: Chemistry Studies, A.A. Capital Community College Catalog Year 2018-19

Previous catalog years

[2016/2017](#)

[2017/2018](#)

Please contact a campus advisor for this program

Professor Guillermo Muhlmann, Ph. D., gmuhlmann@capitalcc.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, or 2018/19 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
(Suggest MAT 186 Pre-Calculus if not ready to enroll in MAT 354 Calculus I this semester)	

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 I 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 I course	3 credits
Unrestricted Elective*	3 credits

Fourth Semester**17 credits**

CHE 212 Organic Chemistry II	4 credits
PHY 222 Calculus-based Physics II**	4 credits
Choose one Social Phenomena II course	3 credits
choose one Aesthetic Dimensions II course	3 credits
Unrestricted Elective*	0-3 credits
If you have taken PHY 110 or MAT 186, you will not need this elective	

Capital does not offer these courses, so in order to complete this degree, you will have to take them at another institution. Also see note below*

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

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 \(PDF\)](#).

General Education Requirements**33 credits**

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 I (select one)	3 credits
Social Phenomena II (select one)	3 credits
Aesthetic Dimensions I (select one)	3 credits
Aesthetic Dimensions II (select one)	3 credits

Major Program Requirements**27-28 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

**Capital does not offer these courses, so in order to complete this pathway, you will have to take them at another institution.

***Capital does offer PHY 121 General Physics I and PHS 122 General Physics II. Students who complete this sequence and not the sequence of Calculus-Based Physics will be able to transfer to Central Connecticut State University's General Program and to the program at Charter Oak State College.

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.