

Program sheets from previous years
[2016/2017](#)

CSCU Pathway Transfer Degree: Chemistry Studies, A.A.
 Middlesex Community College

Please contact a campus advisor for this program

Professor James Quinlan, JQuinlan@mxcc.edu

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These requirements are effective if you declared this major for the 2016/17 or 2017/18 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.
At Charter Oak State College	General Studies – Chemistry Concentration, B.A.

Here is the recommended course of study for the **Chemistry Studies Transfer Degree**. 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

Fourth Semester

14-17 credits

CHE 212 Organic Chemistry II**	4 credits
PHY 222 Calculus-based Physics II	4 credits
Choose another Social Phenomena course	3 credits
Choose one Oral Communication course	3 credits

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

Unrestricted Elective*
 If you have taken PHY 110 or MAT 186,
 you will not need this elective

0-3 credits

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 two)	6 credits
Aesthetic Dimensions (select one)	3 credits
Oral Communication (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

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

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 will require that you complete a minor by earning at least 18 credits in one area outside your major field; you must complete at least 9 of those minor credits at Central. 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.

Chemistry Studies Transfer Degree 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.