

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

Please contact a campus advisor for this program:

Professor Lin Lin, LLin@mxcc.edu

These requirements are effective if you declared this major for the 2017/18 academic year.

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: Computer Science, B.S. – Alternative Program
 Computer Science, B.S. -- Honors
 At Eastern Connecticut State University: Computer Science, B.S.
 At Southern Connecticut State University: Computer Science, B.S. – General Program
 At Western Connecticut State University: Computer Science, B.S.

Here is the recommended course of study for the **Computer Science 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 credits

ENG 101 Composition 3 credits
 CSC 105 Programming Logic¹ 3 credits
 MAT 186 Pre-Calculus 4 credits
 Choose one **Scientific Reasoning** course from 4 credits
 BIO 121 General Biology I
 CHE 121 General Chemistry I
 PHY 221 Calculus-based Physics I

Second Semester:

14 credits

CSC 220 Object-Oriented Programming Using Java I¹ 3 credits
 CSC 231 Database Design I¹ 3 credits
 MAT 254 Calculus I¹ 4 credits
 Choose one **Scientific Knowledge and Understanding** 4 credits
 course; you must choose the second course in the sequence
 you began in the first semester; choose from
 BIO 122 General Biology II
 CHE 122 General Chemistry II
 PHY 222 Calculus-based Physics II

Begin the [transfer application process](#) in your third semester or the semester before you plan to graduate. FAFSA becomes available October 1.

Third Semester:

16 credits

MAT 256 Calculus II² 4 credits
 Choose one **Written Communication II** course 3 credits
 Choose one **Social Phenomena** course 3 credits
 Choose one **Historical Knowledge and Understanding** course 3 credits
 Choose one **Aesthetic Dimensions** course 3 credits

During your last semester at MXCC, apply for graduation [by the dates found here](#).

Fourth Semester: 16 credits

CSC XXX Client-Side Web Design*	3 credits
EET XXX Digital Systems ^{2*}	4 credits
MAT 210 Discrete Math ¹	3 credits
Choose another Social Phenomena course	3 credits
Choose one Oral Communication course	3 credits

¹Requires C or above

²Requires C- or above

*MxCC does not offer these courses. In order to complete the Computer Science Studies CSCU Pathway Transfer Degree at MxCC, you will need to take these courses online or at another campus. Your advisor will be able to help you determine which courses to take.

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: ENG 101 Composition	3 credits
Written Communication II (select one):	3 credits
Scientific Reasoning (select one): BIO 121 General Biology I CHE 121 General Chemistry I PHY 221 Calculus-based Physics I	4 credits
Scientific Knowledge and Understanding (select one in the same sequence as Scientific Reasoning): BIO 122 General Biology II CHE 122 General Chemistry II PHY 222 Calculus-based Physics II	4 credits
Quantitative Reasoning (select one): MAT 186 Pre-Calculus	4 credits
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: 27 credits

CSC 105 Programming Logic ¹	3 credits
CSC 220 Object-Oriented Programming Using Java I ¹	3 credits
CSC 231 Database Design I ¹	3 credits
CSC XXX Client-Side Web Development*	3 credits
EET XXX Digital Systems ^{2*}	4 credits
MAT 254 Calculus I ¹	4 credits

MAT 256 Calculus II ²	4 credits
MAT 210 Discrete Math ¹	3 credits

¹Requires C or above

²Requires C- or above

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Unrestricted Electives:*

0 credits

*You are free to choose any courses at or above 100-level to complete any available unrestricted electives. You should consider using unrestricted electives to meet foreign language requirements for programs at Central, Eastern and Western. You can also complete other General Education requirements. Finally, consider beginning work on minor requirements. The alternative program at Central requires an 18 credit minor; you may complete up to 9 credits of that minor at the community college. Your advisor will help you to determine which courses to select.

Computer Science Studies Transfer Degree Total:

60 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.