CSCU Pathway Transfer Degree: Computer Science Studies, A.A.

Manchester Community College

Please contact a campus advisor for this program:

Professor Richard Gnall, RGnall@mcc.commnet.edu
Professor Ibtsam Mahfouz, IMahfouz@mcc.commnet.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:	**16 credits**
ENG 101 Composition	3 credits
CSC 127 Java I[1]	3 credits
MAT 186 Pre-Calculus	4 credits
Choose one **Aesthetic Dimensions** course	3 credits
Choose one **Oral Communication** course	3 credits

Second Semester:	**16 credits**
CSC 128 Java II[1]	3 credits
MAT 254 Calculus I[1]	4 credits
CSC 121 Introduction to Database Design[1]	3 credits
CSC 114 Client-Side Web Design	3 credits
Choose one **Written Communication II** course	3 credits

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

Third Semester:	**14 credits**
MAT 256 Calculus II[2]	4 credits
Choose one **Social Phenomena** course	3 credits
Choose one **Continued Learning and Information Literacy** course	3 credits
Choose one **Scientific Reasoning** course from BIO 121 General Biology I CHE 121 General Chemistry I PHY 221 Calculus-based Physics I	4 credits

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

Fourth Semester: **15 credits**

EET 252 Digital Electronics[2]	4 credits
MAT 287 Discrete Math[1]	4 credits
Choose one **Historical Knowledge and Understanding** course	3 credits
Choose one **Scientific Knowledge and Understanding** course; you must choose the second course in the sequence you began in the third semester; choose from BIO 122 General Biology II CHE 122 General Chemistry II PHY 222 Calculus-based Physics II	4 credits

[1]Requires C or above
[2]Requires C- or above

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 one):	3 credits
Aesthetic Dimensions (select one):	3 credits
Continued Learning and Information Literacy (select one):	3 credits
Oral Communication (select one):	3 credits

Major Program Requirements: **27 credits**

CSC 127 Java I[1]	3 credits
CSC 128 Java II[1]	3 credits
CSC 121 Introduction to Database Design[1]	3 credits
CSC 114 Client-Side Web Development	3 credits
EET 252 Digital Electronics[2]	4 credits
MAT 254 Calculus I[1]	4 credits
MAT 256 Calculus II[2]	4 credits
MAT 287 Discrete Math[1]	3 credits

[1]Requires C or above
[2]Requires C- or above

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: **61 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.