

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

Please contact a campus advisor for this program:

Professor Seth Freeman, SFreeman@capitalcc.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 105 Programming Logic ¹	3 credits
CST 150 Web Design and Development I	3 credits
MAT 186 Pre-Calculus	4 credits
Choose one Social Phenomena I course	3 credits

Second Semester: 17 credits

CSC 220 Object-Oriented Programming with Java ¹	3 credits
MAT 254 Calculus I ¹	4 credits
Choose one Written Communication II course	3 credits
Choose one Historical Knowledge and Understanding course	3 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	

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

CSC 231 Database Design ¹	3 credits
MAT 256 Calculus II ²	4 credits
Choose one Aesthetic Dimensions I course	3 credits
Choose one Scientific Knowledge and Understanding course; you must choose the second course in the sequence you began in the second semester; choose from	4 credits
BIO 122 General Biology II	
CHE 122 General Chemistry II	
PHY 222 Calculus-based Physics II	

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

Fourth Semester: 16 credits

CST 200 Scripting Language with JavaScript I	3 credits
EET XXX Digital Systems ^{2*}	4 credits
MAT 210 Discrete Math ^{1*}	3 credits
Choose one Social Phenomena II course	3 credits
Choose one Aesthetic Dimensions II course	3 credits

¹Requires C or above

²Requires C- or above

*CCC does not offer these courses. In order to complete the Computer Science Studies CSCU Pathway Transfer Degree at CCC, 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:	3 credits
ENG 101 Composition	
Written Communication II (select one):	3 credits
Scientific Reasoning (select one):	4 credits
BIO 121 General Biology I	
CHE 121 General Chemistry I	
PHY 221 Calculus-based Physics I	
Scientific Knowledge and Understanding (select one in the same sequence as Scientific Reasoning):	4 credits
BIO 122 General Biology II	
CHE 122 General Chemistry II	
PHY 222 Calculus-based Physics II	
Quantitative Reasoning (select one):	4 credits
MAT 186 Pre-Calculus	
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: 33 credits

CSC 105 Programming Logic ¹	3 credits
CSC 220 Object-Oriented Programming with Java ¹	3 credits

CSC 231 Database Design ¹	3 credits
CST 150 Web Design and Development I	3 credits
CST 200 Scripting Language with JavaScript I	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

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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:

63 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.