CSCU Pathway Transfer Degree: Computer Science Studies, A.A.
Capital Community College
Catalog Year 2020-21

Please contact a campus advisor for this program:
Professor Seth Freeman, SFreeman@capitalcc.edu

These requirements are effective if you declared the Transfer Ticket: CSCU Pathway Transfer Degree: Computer Science Studies, A.A. major for the 2017/18, 2018/19, 2019/20, or 2020/21 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 CSCU Pathway Transfer Degree: Computer Science 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: 16 credits
- ENG 101 Composition 3 credits
- CSC 105 Programming Logic 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 3 credits
- MAT 254 Calculus I 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
  - BIO 121 General Biology I
  - CHE 121 General Chemistry I
  - PHY 221 Calculus-based Physics I
  4 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
- CSC 231 Database Design 3 credits

Revised 04/21/2019
MAT 256 Calculus II  
Choose one Aesthetic Dimensions I course  
Choose one Scientific Knowledge and Understanding course; you must choose the second course in the sequence you began in the second semester; choose from  
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  
EET XXX Digital Systems  
MAT 210 Discrete Math  
Choose one Social Phenomena II course  
Choose one Aesthetic Dimensions II course

1 Requires C or above  
2 Requires 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:  
ENG 101 Composition  

Written Communication II (select one):  

Scientific Reasoning (select one):  
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):  
BIO 122 General Biology II  
CHE 122 General Chemistry II  
PHY 222 Calculus-based Physics II

Quantitative Reasoning (select one):  
MAT 186 Pre-Calculus

Historical Knowledge and Understanding (select one):  

Social Phenomena I (select one):  

Social Phenomena II (select one):  

Revised 03/11/2020
Aesthetic Dimensions I (select one): 3 credits
Aesthetic Dimensions II (select one): 3 credits

**Major Program Requirements:** 33 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 105 Programming Logic¹</td>
<td>3 credits</td>
</tr>
<tr>
<td>CSC 220 Object-Oriented Programming with Java¹</td>
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</tr>
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<td>CSC 231 Database Design¹</td>
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<td>4 credits</td>
</tr>
<tr>
<td>MAT 254 Calculus I¹</td>
<td>4 credits</td>
</tr>
<tr>
<td>MAT 256 Calculus II²</td>
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</tr>
<tr>
<td>MAT 210 Discrete Math¹</td>
<td>3 credits</td>
</tr>
</tbody>
</table>

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:** 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.