TRANSFER TICKET

CSCU Pathway Transfer Degree: Computer Science Studies, A.A.
Middlesex Community College
Catalog Year 2022-23

Previous catalog years:
2017/18
2018/19
2019/20
2020/21
2021/22

Please contact a campus advisor for this program:
Professor Lin Lin, LLin@mxcc.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 through 2022/23 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: 17 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CSC 105 Programming Logic</td>
<td>3</td>
</tr>
<tr>
<td>MAT 186 Pre-Calculus</td>
<td>4</td>
</tr>
<tr>
<td>CSA 140 Database Applications</td>
<td>3</td>
</tr>
<tr>
<td>Choose one Scientific Reasoning course from</td>
<td></td>
</tr>
<tr>
<td>BIO 121 General Biology I</td>
<td></td>
</tr>
<tr>
<td>CHE 121 General Chemistry I</td>
<td></td>
</tr>
<tr>
<td>PHY 221 Calculus-based Physics I</td>
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</tbody>
</table>

Second Semester: 14 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC 220 Object-Oriented Programming Using Java I</td>
<td>3</td>
</tr>
<tr>
<td>CSC 231 Database Design I</td>
<td>3</td>
</tr>
<tr>
<td>MAT 254 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>Choose one Scientific Knowledge and Understanding course; you must choose the second course in the sequence you began in the first semester; choose from</td>
<td>4</td>
</tr>
<tr>
<td>BIO 122 General Biology II</td>
<td></td>
</tr>
<tr>
<td>CHE 122 General Chemistry II</td>
<td></td>
</tr>
<tr>
<td>PHY 222 Calculus-based Physics II</td>
<td></td>
</tr>
</tbody>
</table>

Revised 03/17/2021
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 II\(^2\) 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

### Fourth Semester: 16 credits

- DGA 241: Internet Web Design I 3 credits
- EET 252 Digital Systems\(^2\) 4 credits
- MAT 210 Discrete Math\(^3\) 3 credits
- Choose another Social Phenomena course 3 credits
- Choose one Oral Communication course 3 credits

\(^1\)Requires C or above
\(^2\)Requires C- or above
\(^3\)Prerequisite for CSC 231 at MxCC; adds an additional 3 credits to the community college degree; will be received at the CSU as either a CS elective or Open Elective; in most cases, it results in the student needing to complete 123 credits for the bachelor’s degree.

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

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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 4 credits
  - 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 (select two):**
  - 6 credits
Aesthetic Dimensions (select one): 3 credits
Oral Communication (select one): 3 credits

Major Program Requirements: 30 credits

CSC 105 Programming Logic\(^1\) 3 credits
CSC 220 Object-Oriented Programming Using Java \(^1\) 3 credits
CSA 140 Database Applications\(^1\) 3 credits
CSC 231 Database Design \(^1\) 3 credits
DGA 241: Internet Web Design I 3 credits
EET 252 Digital Systems\(^2\) 4 credits
MAT 254 Calculus \(^1\) 4 credits
MAT 256 Calculus \(^2\) 4 credits
MAT 210 Discrete Math\(^1\) 3 credits

\(^1\)Requires C or above
\(^2\)Requires C- or above

Prerequisite for CSC 231 at MxCC; adds an additional 3 credits to the community college degree; will be received at the CSU as either a CS elective or Open Elective; in most cases, it results in the student needing to complete 123 credits for the bachelor’s degree.

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.

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