**TRANSFER TICKET**

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

Middlesex Community College

Catalog Year 2020-21

Previous catalog years:

- 2017/18
- 2018/19
- 2019/20

Please contact a campus advisor for this program:

Professor Lin Lin, **Lin@mxcc.edu**
Professor Donna Bontatibus, **dbontatibus@mxcc.commnet.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: 17 credits

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 101 Composition</td>
<td>3</td>
</tr>
<tr>
<td>CSC 105 Programming Logic¹</td>
<td>3</td>
</tr>
<tr>
<td>MAT 186 Pre-Calculus</td>
<td>4</td>
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<tr>
<td>CSA 140 Database Applications³</td>
<td>3</td>
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<tr>
<td>Choose one <strong>Scientific Reasoning</strong> course from BIO 121 General Biology I</td>
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### Second Semester: 14 credits

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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSC 220 Object-Oriented Programming Using Java I¹</td>
<td>3</td>
</tr>
<tr>
<td>CSC 231 Database Design I¹</td>
<td>3</td>
</tr>
<tr>
<td>MAT 254 Calculus I¹</td>
<td>4</td>
</tr>
<tr>
<td>Choose one <strong>Scientific Knowledge and Understanding</strong> course; you must choose the second course in the sequence you began in the first semester; choose from BIO 122 General Biology II</td>
<td>4</td>
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Revised 03/11/2020
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 II³ 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

- **CSC XXX Client-Side Web Design** * 3 credits
- EET 252 Digital Systems² 4 credits
- MAT 210 Discrete Math¹ 3 credits
- Choose another **Social Phenomena** course 3 credits
- Choose one **Oral Communication** course 3 credits

¹Requires C or above
²Requires C- or above
³Prerequisite 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.

*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

Revised 03/11/2020
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\(^3\) 3 credits
CSC 231 Database Design \(^1\) 3 credits
CSC XXX Client-Side Web Development* 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
\(^3\)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.

*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.

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.