**TRANSFER TICKET**

CSCU Pathway Transfer Degree: Mathematics Studies, A.A.  
Northwestern Connecticut Community College  
Catalog Year 2020-21

These requirements are effective if you declared the **Transfer Ticket CSCU Pathway Transfer Degree: Mathematics Studies, A.A.** major for the 2016/17, 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:**  
  - Mathematics, B.A.  
  - Mathematics, B.A.—Actuarial Science Specialization  
  - Mathematics, B.A.—Statistics Specialization

- **At Eastern Connecticut State University:**  
  - Mathematics, B.A.

- **At Southern Connecticut State University:**  
  - Mathematics, B.A.  
  - Mathematics, B.S.—Concentration: Applied

- **At Western Connecticut State University:**  
  - Mathematics, B.A.  
  - Mathematics, B.A.—Computer Science Option

Here is the recommended course of study for the **CSCU Pathway Transfer Degree: Mathematics 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:**  
14 credits

- ENG 101 Composition  
- MAT 186 Pre-Calculus  
- Choose one **Scientific Reasoning** course from  
  - BIO 121 General Biology I  
  - CHE 121 General Chemistry I  
  - PHY 121 General Physics I  
  - PHY 221 Calculus Based Physics I (co-requisite MAT 256 and ENG 101 eligible)

- Choose one **Aesthetic Dimensions** course  

**Second Semester:**  
14 credits

- MAT 254 Calculus I  
- Choose one **Written Communication II** course  
- Choose one **Scientific Knowledge and Understanding** course from  
  - BIO 122 General Biology II  
  - CHE 122 General Chemistry II  
  - PHY 122 General Physics II  
  - PHY 222 Calculus Based Physics II  
  - Unrestricted Elective*  

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Revised 03/27/2020
Begin the **transfer application process** in your third semester or the semester before you plan to graduate. FAFSA becomes available October 1.

**Third Semester:**
- **MAT 256 Calculus II** 4 credits
- **CSC 104 Introduction to Logic and Programming** 4 credits
- Choose one **Social Phenomena I** course 3 credits
- Choose one **Historical Knowledge and Understanding** course 3 credits
- Unrestricted Elective* 3 credits

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

**Fourth Semester:**
- **MAT 268 Calculus III: Multivariable** 4 credits
- **MAT 286 Differential Equations** 4 credits
- Choose one **Continued Learning and Information Literacy** course 3 credits
- Choose one **Social Phenomena II** course 3 credits
- Unrestricted Elective* 3 credits

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 121 General Physics I
- PHY 221 Calculus Based Physics I (co-requisite MAT 256 and ENG 101 eligible) 4 credits

**Scientific Knowledge and Understanding (select one):**
- BIO 122 General Biology II
- CHE 122 General Chemistry II
- PHY 122 General Physics 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 I (select one):**
- 3 credits

**Social Phenomena II (select one):**
- 3 credits
Aesthetic Dimensions (select one): 3 credits
Continued Learning and Information Literacy (select one): 3 credits

**Major Program Requirements:** 20 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAT 254 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 256 Calculus II</td>
<td>4</td>
</tr>
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</tr>
<tr>
<td>CSC 104 Introduction to Logic and Programming</td>
<td>4</td>
</tr>
</tbody>
</table>

**Unrestricted Electives:** 9 credits

*You are free to choose any courses at or above 100-level to complete unrestricted electives, although you may need to use these credits to take courses that prepare you for required courses in the degree program. You should also consider using unrestricted electives to meet foreign language requirements at Central, Eastern and Western Connecticut State Universities or to begin work on completing a minor. Central Connecticut State University will require that you complete a minor for the general math degree (not for the Actuarial Science or Statistics Specializations) by earning at least 18 credits in one area outside your major field; you must complete at least 9 of those minor credits at Central. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSU; and up to two additional General Education requirements for ECSU. You are encouraged to meet with your advisor to determine which courses to select.

**CSCU Pathway Transfer Degree: Mathematics Studies, A.A. Total:** 62 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.

SCSU requires a GPA of 2.0 in Mathematics courses applied toward the major, and no more than one grade below C- in courses applied toward the major.

WCSU requires a C or better in MAT 254, MAT 256, and MAT 268.