CSCU Pathway Transfer Degree: Mathematics Studies, A.A.
Tunxis Community College

Campus contact for this program: Professor Sue Ricciuti, SRicciuti@txcc.commnet.edu

With this degree you will be able to transfer to the following majors:

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

At Charter Oak State College:
- General Studies: Mathematics Concentration, B.A.

Here is the recommended course of study for the Mathematics 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: 14 credits

- ENG 101 Composition 3 credits
- MAT 186 Pre-Calculus 4 credits
- Choose one Scientific Reasoning course from 4 credits
  - BIO 121 General Biology I
  - CHE 121 General Chemistry I
  - PHY 121 General Physics I
- Choose one Aesthetic Dimensions course 3 credits

Second Semester: 14 credits

- MAT 254 Calculus I 4 credits
- Choose one Written Communication II course 3 credits
- Choose one Scientific Knowledge and Understanding course; you must choose the second course in the sequence you began in the first semester; choose from 4 credits
  - BIO 122 General Biology II
  - CHE 122 General Chemistry II
  - PHY 122 General Physics II
- Unrestricted Elective* 3 credits

Third Semester: 16 credits

- MAT 256 Calculus II 4 credits
- CSC 126 Programming Logic and Design with Visual Basic 3 credits
- Choose one Social Phenomena course 3 credits
- Choose one Historical Knowledge and Understanding course 3 credits
- Unrestricted Elective* 3 credits

Fourth Semester: 16 credits

- MAT 268 Calculus III: Multivariable 4 credits
- MAT 285 Differential Equations 3 credits

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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 121 General Physics I

Scientific Knowledge and Understanding (select one in the same sequence as Scientific Reasoning):
BIO 122 General Biology II 4 credits
CHE 122 General Chemistry II
PHY 122 General Physics II

Quantitative Reasoning (select one):
MAT 186 Pre-Calculus 4 credits

Historical Knowledge and Understanding (select one):
3 credits

Social Phenomena (select one):
3 credits

Aesthetic Dimensions (select one):
3 credits

Critical Analysis and Logical Thinking (select one):
3 credits

Continued Learning and Information Literacy (select one):
3 credits

Major Program Requirements: 18 credits

MAT 254 Calculus I 4 credits
MAT 256 Calculus II 4 credits
MAT 268 Calculus III: Multivariable 4 credits
MAT 285 Differential Equations 3 credits
CSC 126 Programming Logic and Design with Visual Basic 3 credits

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 for your programs 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.

Mathematics Studies Transfer Degree Total: 60 credits

Revised 10/28/2016
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.

These requirements are effective if you declared this major for the 2016/17 academic year.