

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

Campus contact for this program: Professor Bujar Konjusha, BKonjusha@ccc.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	
BIO 121 General Biology I	
CHE 121 General Chemistry I	4 credits
PHY 121 General Physics I	
Choose one Aesthetic Dimensions I 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	
BIO 122 General Biology II	
CHE 122 General Chemistry II	4 credits
PHY 122 General Physics II	
Unrestricted Elective*	3 credits

Third Semester: 16 credits

MAT 256 Calculus II	4 credits
CSC 105 Programming Logic	3 credits
Choose one Social Phenomena I course	3 credits
Choose one Historical Knowledge and Understanding course	3 credits
Unrestricted Elective*	3 credits

Fourth Semester: 16-17 credits

MAT 268 Calculus III: Multivariable**	4 credits
Choose one from	3-4 credits

MAT 282/274 Linear Algebra**	
MAT 285/286 Differential Equations**	
MAT 287 Foundations of Mathematics**	
Choose one Aesthetic Dimensions II course	3 credits
Choose one Social Phenomena II course	3 credits
Unrestricted Elective*	3 credits

**CCC does not offer these courses. In order to complete the Mathematics Studies CSCU Pathway Transfer Degree at CCC, you will need to take these courses online or at another campus. These options might have prerequisites for these courses that will need to be taken into account using your Unrestricted Electives. 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:	3 credits
ENG 101 Composition	
Written Communication II (select one):	3 credits
Scientific Reasoning (select one):	4 credits
BIO 121 General Biology I	
CHE 121 General Chemistry I	
PHY 121 General 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 122 General Physics II	
Quantitative Reasoning (select one):	4 credits
MAT 186 Pre-Calculus	
Historical Knowledge and Understanding (select one):	3 credits
Social Phenomena I (select one):	3 credits
Social Phenomena II (select one):	3 credits
Aesthetic Dimensions I (select one):	3 credits
Aesthetic Dimensions II (select one):	3 credits

Major Program Requirements: **18-19 credits**

MAT 254 Calculus I	4 credits
MAT 256 Calculus II	4 credits
MAT 268 Calculus III: Multivariable**	4 credits
Choose one from	3-4 credits
MAT 282/274 Linear Algebra**	
MAT 285/286 Differential Equations**	
MAT 287 Foundations of Mathematics**	
CSC 105 Programming Logic	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:**60-61 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.

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