— TRANSFER TICKET —

CSCU Pathway Transfer Degree: Mathematics Studies, A.A.
Naugatuck Valley Community College
Catalog Year 2022-23

Campus contact for this program:
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These requirements are effective if you declared the *Transfer Ticket* CSCU Pathway Transfer Degree: Mathematics Studies, A.A. major for the 2016/17 through the 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:	**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	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	
PHY 221 Calculus Based Physics I (Prerequisite MAT 254)	
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
PHY 222 Calculus Based Physics II

Unrestricted Elective*   3 credits

Begin the <u>transfer application process</u> in your third semester <u>or</u> the semester before you plan to graduate. FAFSA becomes available October 1.

Third Semester: **16 credits**

MAT 256 Calculus II   4 credits
Choose one from   3 credits
      CSC 113 Programming I
      CSC 205 Visual Basic I
Choose one **Social Phenomena** course   3 credits
Choose one **Historical Knowledge and**   3 credits
  Understanding course
Unrestricted Elective*   3 credits

During your last semester at NVCC, apply for graduation <u>by the dates found here</u>.

Fourth Semester: **16 credits**

MAT 268 Calculus III: Multivariable   4 credits
MAT 285 Differential Equations   3 credits
Choose one **Continued Learning and Information**   3 credits
  Literacy course
Choose one **Oral Communication** 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: 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
    PHY 221 Calculus Based Physics I (Prerequisite MAT 254)

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

CHE 122 General Chemistry II
PHY 122 General Physics II
PHY 222 Calculus Based Physics II

Quantitative Reasoning (select one):	4 credits
MAT 185 Trigonometric Functions	
Historical Knowledge and Understanding (select one):	3 credits
Social Phenomena (select one):	3 credits
Aesthetic Dimensions (select one):	3 credits
Continued Learning and Information Literacy (select one):	3 credits
Oral Communication (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
Choose one from	3 credits
CSC 205 Visual Basic	
CSC 113 Programming I	

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: 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.

      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.