

CSCU Pathway Transfer Degree: Physics Studies, A.A.
Middlesex Community College

Please contact a campus advisor for this program:

Professor Mark Busa, MBusa@mxcc.edu

Follow this [link](#) for important information about when and how to apply for transfer to a State University or Charter Oak State College.

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

At Central Connecticut State University:	Physics, B.S.
At Eastern Connecticut State University:	Physics, B.S.
At Southern Connecticut State University:	Physics, B.S.
	Physics, B.A.
At Western Connecticut State University:	Physics, B.S.
At Charter Oak State College:	General Studies—Physics Concentration, B.A.

Here is the recommended course of study for the **Physics 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:

14-15 credits

ENG 101 Composition	3 credits
MAT 254 Calculus I	4 credits
CHE 121 General Chemistry I	4 credits
Unrestricted Elective*#	3-4 credits
#If you have not taken Physics in high school, You should use this elective to take PHY 110 Introductory Physics	

Second Semester:

15 credits

CHE 122 General Chemistry II	4 credits
MAT 256 Calculus II	4 credits
PHY 221 Calculus-Based Physics I	4 credits
Choose one Historical Knowledge and Understanding course	3 credits

Third Semester:

17 credits

MAT 268 Calculus III: Multivariable	4 credits
PHY 222 Calculus-Based Physics II	4 credits
Choose one Social Phenomena I course	3 credits
Choose one Aesthetic Dimensions course	3 credits
Choose one Social Phenomena II course	3 credits

Fourth Semester:

15 credits

Choose one Written Communication II course	3 credits
Choose one Oral Communication course	3 credits
MAT 285 Differential Equations	3 credits
Choose one Additional General Education II – Global Knowledge course	3 credits
Choose one Additional General Education I – Creativity course	3 credits

Here is another way to look at the degree, by requirements

General Education Requirements: **39 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: CHE 121 General Chemistry I	4 credits
Scientific Knowledge and Understanding (select one): CHE 122 General Chemistry II	4 credits
Quantitative Reasoning (select one): MAT 254 Calculus I	4 credits
Historical Knowledge and Understanding (select one):	3 credits
Social Phenomena I (select one):	3 credits
Aesthetic Dimensions (select one):	3 credits
Social Phenomena II (select one):	3 credits
Oral Communication (select one):	3 credits
Additional General Education I – Creativity (select one):	3 credits
Additional General Education II – Global Knowledge (select one):	3 credits

Major Program Requirements: **19 credits**

MAT 254 Calculus II	4 credits
MAT 268 Calculus III: Multivariable	4 credits
MAT 285 Differential Equations	3 credits
PHY 221 Calculus-Based Physics I	4 credits
PHY 222 Calculus-Based Physics II	4 credits

Unrestricted Electives:* **3 credits**

#If you have not taken Physics in high school, you should use this elective to take PHY 110 Introductory Physics.

*You are free to choose any courses at or above 100-level to complete unrestricted electives, although you may need to use some these credits to take a math course that prepares you for the required level of math in your program. You should also consider using unrestricted electives to begin work on completing a minor. Central Connecticut State University will require that you complete a minor 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 Central, Southern and Western Connecticut State Universities and Charter Oak State College—but not Eastern Connecticut State University. Your advisor will help you to determine which courses to select.

Physics Studies Transfer Degree Total: **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.

These requirements are effective if you declared this major for the 2017/18 academic year.