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## TRANSFER TICKET

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### CSCU Pathway Transfer Degree: Physics Studies, A.A. Manchester Community College Catalog Year 2019-20

Previous catalog years  
[2017/18](#)  
[2018/19](#)

**Please contact a campus advisor for this program:**

Professor Nulgusse Tirfessa [NTirfessa@manchestercc.edu](mailto:NTirfessa@manchestercc.edu)

**These requirements are effective if you declared the *Transfer Ticket: CSCU Pathway Transfer Degree: Physics Studies, A.A.* major for the 2017/18, 2018/19, or 2019/20 academic years.**

**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: Physics, B.S.

At Southern Connecticut State University: Physics, B.S.  
Physics, B.A.

Here is the recommended course of study for the **CSCU Pathway Transfer Degree: Physics 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:

	<b>14-15 credits</b>
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:

	<b>15 credits</b>
CHE 122 General Chemistry II	4 credits
MAT 256 Calculus II	4 credits
PHY 221 Calculus-Based Physics I	4 credits
Choose one <b>Historical Knowledge and Understanding</b> course	3 credits

**Begin the [transfer application process](#) in your third semester or the semester before you plan to graduate. FAFSA becomes available October 1.**

#### Third Semester:

	<b>17 credits</b>
MAT 268 Calculus III: Multivariable	4 credits
PHY 222 Calculus-Based Physics II	4 credits
Choose one <b>Social Phenomena</b> course	3 credits
Choose one <b>Aesthetic Dimensions</b> course	3 credits
Choose one <b>Continued Learning and Information</b> Literacy course	3 credits

During your last semester at MCC, apply for graduation [by the dates found here](#).

<b>Fourth Semester:</b>	<b>16 credits</b>
Choose one <b>Written Communication II</b> course	3 credits
Choose one <b>Oral Communication</b> course	3 credits
MAT 286 Differential Equations	4 credits
Choose one <b>Additional General Education II – Global Knowledge</b> course	3 credits
Choose one <b>Additional General Education I – Creativity</b> 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 \(PDF\)](#).

<b>Written Communication I:</b> ENG 101 Composition	3 credits
<b>Written Communication II (select one):</b>	3 credits
<b>Scientific Reasoning:</b> CHE 121 General Chemistry I	4 credits
<b>Scientific Knowledge and Understanding (select one):</b> CHE 122 General Chemistry II	4 credits
<b>Quantitative Reasoning (select one):</b> MAT 254 Calculus I	4 credits
<b>Historical Knowledge and Understanding (select one):</b>	3 credits
<b>Social Phenomena (select one):</b>	3 credits
<b>Aesthetic Dimensions (select one):</b>	3 credits
<b>Continued Learning and Information Literacy (select one):</b>	3 credits
<b>Oral Communication (select one):</b>	3 credits
<b>Additional General Education I – Creativity (select one):</b>	3 credits
<b>Additional General Education II – Global Knowledge (select one):</b>	3 credits

<b>Major Program Requirements:</b>	<b>20 credits</b>
MAT 254 Calculus II	4 credits
MAT 268 Calculus III: Multivariable	4 credits
MAT 286 Differential Equations	4 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.

**CSCU Pathway Transfer Degree: Physics Studies, A.A. Credit 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.**