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## TRANSFER TICKET

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

Previous catalog years  
First year of the program

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

Professor Frank Stellabotte, [FStellabotte@mxcc.commnet.edu](mailto:FStellabotte@mxcc.commnet.edu)

Professor Donna Bontatibus, [DBontatibus@mxcc.commnet.edu](mailto:DBontatibus@mxcc.commnet.edu)

**These requirements are effective if you declared the *Transfer Ticket: CSCU Pathway Transfer Degree: Biochemistry Studies, A.A.* major for the 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.**

At Central Connecticut State University	Biochemistry – General Track, B.S. Biochemistry – American Chemical Society Certified, B.S.
At Eastern Connecticut State University	Biochemistry, B.S.
At Southern Connecticut State University	Chemistry – Concentration: Biochemistry, B.S.
At Western Connecticut State University	Biochemistry – Non-American Chemical Society Approved, B.S. Biochemistry – American Chemical Society Approved, B.S.

Here is the recommended course of study for the **CSCU Pathway Transfer Degree: Biochemistry 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 I	4 credits
CHE 121 General Chemistry I	4 credits
Choose one <b>Aesthetic Dimensions</b> course	3 credits

#### Second Semester 15 credits

CHE 122 General Chemistry II	4 credits
MAT 254 Calculus I	4 credits
BIO 121 General Biology I	4 credits
Choose one <b>Written Communication II</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 15 credits

CHE 211 Organic Chemistry I*	4 credits
PHY 221 Calculus-based Physics I	4 credits
Bio 235 Microbiology	4 credits
Choose one <b>Social Phenomena</b> course	3 credits

\*Middlesex does not offer these courses, so in order to complete this degree, you will have to take them at another institution.

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

**Fourth Semester** **16 credits**

<b>CHE 212 Organic Chemistry II*</b>	<b>4 credits</b>
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Choose one <b>Continued Learning and Information Literacy</b> course	3 credits
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Choose one <b>Historical Knowledge and Understanding</b> course	3 credits
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Choose one <b>Oral Communication</b> course	3 credits
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Unrestricted Elective**	3 credits
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\*\*Recommended:

BIO 122 General Biology II

OR

PHY 222 Calculus-Based Physics II is recommended for this open elective with the following considerations:

PHY II is required at CCSU, ECSU, WCSU

BIO II is required at WCSU

If you complete both sequences at the community college and transfer to WCSU, both sequences will be accepted at WCSU and you will have 4 fewer credits to complete at WCSU after transfer. If you know you are transferring to SCSU, you may decide not to use this open elective for PHY II or BIO II.

Also see the additional note about open electives below.

**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 \(PDF\)](#).

<b>Written Communication I</b>	3 credits
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ENG 101 Composition

<b>Written Communication II (select one)</b>	3 credits
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<b>Scientific Reasoning</b>	4 credits
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CHE 121 General Chemistry I

<b>Scientific Knowledge and Understanding</b>	4 credits
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CHE 122 General Chemistry II

<b>Quantitative Reasoning</b>	4 credits
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MAT 186 Pre-Calculus

<b>Historical Knowledge and Understanding (select one)</b>	3 credits
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<b>Social Phenomena (select one)</b>	3 credits
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<b>Aesthetic Dimensions (select one)</b>	3 credits
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<b>Oral Communication (select one)</b>	3 credits
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<b>Continued Learning and Information Literacy (select one)</b>	3 credits
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**Major Program Requirements** **24 credits**

BIO 121 General Biology I	4 credits
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BIO 235 Microbiology	4 credits
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<b>CHE 211 Organic Chemistry I*</b>	<b>4 credits</b>
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CHE 212 Organic Chemistry II*	4 credits
PHY 221 Calculus-based Physics I	4 credits
MAT 254 Calculus I	4 credits

**Unrestricted Electives\*\*\*****3 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 does not require that you complete a minor with this major. You can also complete other General Education requirements for CCSU, SCSU, WCSU, and COSC—but not ECSU. You are encouraged to meet with your advisor to determine which courses to select.

**CSCU Pathway Transfer Degree: Biochemistry Studies, A.A. Credit Total: 60 credits**

**In order to graduate and be guaranteed admission to a State University, you must earn an overall 2.0 grade point average.**