

# BIOLOGY TRANSFER, BIOTECHNOLOGY BS - ASSOCIATE IN ARTS (URI)



## UBOT

This program constitutes a JAA transfer program to URI. Students completing a JAA plan receive an Associate's degree and enter the receiving institution with 60 credits and Junior status. Students must complete all requirements as given. Depending on GPA, students receive a tuition discount of up to 30% at the receiving institution, a waived application fee, and personalized advising.

This program prepares students with hands-on instruction for careers in the bioscience industry, positioning them to benefit from the growing biotechnology hub in Rhode Island and the greater Boston area. Biotechnology offers fulfilling career paths with opportunities for advancement and competitive salaries for motivated students.

## Program Learning Outcomes

Upon completion of this program, a student will be able to:

1. Create written work that develops and expresses ideas and that addresses a given context and target audience.
2. Communicate effectively via oral presentations, performances, participation in group work, and visual presentations.
3. Identify, analyze, and apply evidence and ideas, question assumptions, and draw logical conclusions.
4. Develop information literacy by locating, evaluating, synthesizing, and using information to accomplish a specific purpose.
5. Demonstrate an understanding of and apply scientific or quantitative principles, theories, and methods.
6. Apply quantitative principles to solve problems and support arguments with quantitative evidence in a variety of formats (e.g. words, tables, graphs, equations, etc.).
7. Demonstrate an understanding of global, cultural and historical perspectives.
8. Function effectively in social and professional environments and make reasoned decisions based on ethical standards, self-awareness, and personal responsibility.
9. Utilize discipline-specific theories and concepts to analyze data, texts, and issues at a level appropriate for a 2-year college student.

## Requirements

Code	Title	Hours
<b>General Education Requirements</b>		
Choose ONE of the following:		4
BIOL 1000	Cell Biology for Technology <sup>MSCI; Scientific Reasoning; Social and Professional Responsibilities</sup>	
BIOL 1002	Introductory Biology: Cellular <sup>MSCI; Non-Written Communication; Scientific Reasoning</sup>	
BIOL 1001	Introductory Biology: Organismal <sup>MSCI; Critical Thinking; Social and Professional Responsibilities</sup>	4

COMM 1010	Communication Fundamentals <sup>A</sup> <sup>HUMN; Non-Written Communication; Social and Professional Responsibilities</sup>	3
ENGL 1010	Composition I (or ENGL 1010A) <sup>HUMN; Written Communication, Information Literacy</sup>	3
History Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#histgened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#histgened/</a> ) <sup>SSCI</sup>		3
Humanities Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/</a> ) <sup>HUMN</sup>		3
Literature Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/</a> ) <sup>HUMN</sup>		3
Choose ONE of the following:		4
MATH 2103	Applied Precalculus <sup>MSCI; Scientific Reasoning; Quantitative Literacy</sup>	
MATH 2111	Pre-Calculus Mathematics <sup>MSCI; Scientific Reasoning; Quantitative Literacy</sup>	
Social Science Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/</a> ) <sup>SSCI</sup>		3
Social Science Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/</a> ) <sup>SSCI</sup>		3
Sub-total General Education		33
<b>Major Requirements</b>		
BIOL 1300	Orientation to Biotechnology	1
BIOL 1310	Introduction to Biotechnology Laboratory Skills	3
BIOL 2480	General Microbiology	4
CHEM 1030	General Chemistry I <sup>MSCI; Scientific Reasoning; Quantitative Literacy</sup>	5
CHEM 1100	General Chemistry II	5
Choose ONE of the following:		4
MATH 2131	Applied Calculus <sup>MSCI; Scientific Reasoning; Quantitative Literacy</sup>	
MATH 2141	Calculus I <sup>MSCI; Scientific Reasoning; Quantitative Literacy</sup>	
PHYS 1030	General Physics I <sup>MSCI; Critical Thinking; Quantitative Literacy</sup>	4
Free Elective		3
Sub-total Major Requirements		29
<b>Total Hours</b>		<b>62</b>

<sup>A</sup> Work-based learning course

## Recommended Course Sequence

Course	Title	Hours
<b>Year 1</b>		
<b>Semester 1</b>		
Choose ONE of the following:		4
BIOL 1000	Cell Biology for Technology	
BIOL 1002	Introductory Biology: Cellular	
BIOL 1300	Orientation to Biotechnology	1
COMM 1010	Communication Fundamentals <sup>A</sup>	3
ENGL 1010	Composition I (or ENGL 1010A)	3
Social Science Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/</a> )		3
<b>Hours</b>		<b>14</b>
<b>Semester 2</b>		
BIOL 1001	Introductory Biology: Organismal	4

CHEM 1030	General Chemistry I	5
Choose ONE of the following:		4
MATH 2103	Applied Precalculus	
MATH 2111	Pre-Calculus Mathematics	
Literature Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/</a> )		3
<b>Hours</b>		<b>16</b>

**Year 2****Semester 1**

BIOL 1310	Introduction to Biotechnology Laboratory Skills	3
CHEM 1100	General Chemistry II	5
Choose ONE of the following:		4
MATH 2131	Applied Calculus	
MATH 2141	Calculus I	
Humanities Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#humngened/</a> )		3
<b>Hours</b>		<b>15</b>

**Semester 2**

BIOL 2480	General Microbiology	4
PHYS 1030	General Physics I	4
History Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#histgened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#histgened/</a> )		3
Social Science Elective ( <a href="https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/">https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/</a> )		3
Free Elective		3
<b>Hours</b>		<b>17</b>
<b>Total Hours</b>		<b>62</b>

<sup>a</sup> Work-based learning course

## Transfer

This program at CCRI is a part of the Joint Admissions Agreement (JAA). JAA helps students transfer seamlessly to Rhode Island College (RIC) or the University of Rhode Island (URI). Students who are eligible for the JAA program have earned less than 30 college credits at the time of joining and have not attended any other college or university.

JAA graduates are guaranteed admissions to either RIC or URI, have personalized advising by a caseload advisor, enter with Junior status at RIC or URI, and are eligible for a tuition discount up to 30% based on GPA.

Please meet with an Academic Advisor/Student Success Coach to help you select the courses that best prepare you for transfer to RIC or URI. For more information, please visit Joint Admissions Agreement (<https://ccri.edu/jaa/>) or the Transfer Center ([https://ccri.edu/onestop/transfer\\_center/](https://ccri.edu/onestop/transfer_center/)).