

BIOLOGY TRANSFER, BIOTECHNOLOGY BS - ASSOCIATE IN ARTS (RIC)



This program may be completed at the Knight (Warwick) Campus.

This program constitutes a JAA transfer program to Rhode Island College. Students completing a JAA plan receive an Associate 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 and visual presentations, performances, and participation in group work.
3. Identify, analyze, and apply evidence and ideas, question assumptions, and draw logical conclusions.
4. Develop digital and information literacy to locate, evaluate, and synthesize using online tools and/or artificial intelligence (AI) to accomplish a specific purpose.
5. Articulate and apply scientific principles, theories, and methods.
6. Solve problems and support arguments with quantitative evidence in a variety of formats (e.g. words, tables, graphs, equations, etc.).
7. Describe and apply cultural, historical, and global perspectives to a variety of topics, issues, and analyses.
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 |
|---------------------------------------|---|-------|
| General Education Requirements | | |
| BIOL 1000 | Cell Biology for Technology | 4 |
| BIOL 1001 | Introductory Biology: Organismal | 4 |
| COMM 1010 | Communication Fundamentals [^] (Work-Based Learning Course) | 3 |
| ENGL 1010 | Composition I (or 1010A) | 3 |
| MATH 2111 | Pre-Calculus Mathematics | 4 |
| | Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/) | 3-4 |

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| Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/) | 3-4 |
| Choose ONE of the following: | 3 |
| Art Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#artgened/) | |
| Film Elective (https://catalog.ccri.edu/course-descriptions/film/) | |
| Music Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#muscgened/) | |
| Theatre Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#theagened/) | |
| Choose ONE of the following: | 3 |
| History Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#histgened/) | |
| Philosophy Elective (https://catalog.ccri.edu/course-descriptions/phil/) | |
| Choose ONE of the following: | 3 |
| Literature Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/) | |
| World Languages Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#langgened/) | |
| Sub-Total General Education Requirements | 33-35 |

Major Requirements

| | | |
|-------------------------------------|---|-----------|
| BIOL 1300 | Orientation to Biotechnology | 1 |
| BIOL 1310 | Introduction to Biotechnology Laboratory Skills | 3 |
| BIOL 2480 | General Microbiology | 4 |
| CHEM 1030 | General Chemistry I | 5 |
| CHEM 1100 | General Chemistry II | 5 |
| CHMT 1121 | Chemistry for Biotechnology | 3 |
| COMI 1150 | Programming Concepts | 3 |
| INST 1010 | Introduction to Instrumentation Technology | 3 |
| Sub-Total Major Requirements | | 27 |

Total Hours 60-62

Recommended Course Sequence

| Course | Title | Hours |
|------------------------------|---|--------------|
| Year 1 | | |
| Semester 1 | | |
| BIOL 1000 | Cell Biology for Technology | 4 |
| BIOL 1300 | Orientation to Biotechnology | 1 |
| ENGL 1010 | Composition I (or ENGL 1010A) | 3 |
| MATH 2111 | Pre-Calculus Mathematics | 4 |
| | Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/) | 3-4 |
| | Hours | 15-16 |
| Semester 2 | | |
| COMM 1010 | Communication Fundamentals [^] (Work-Based Learning Course) | 3 |
| COMI 1150 | Programming Concepts | 3 |
| CHMT 1121 | Chemistry for Biotechnology | 3 |
| INST 1010 | Introduction to Instrumentation Technology | 3 |
| Choose ONE of the following: | | 3 |
| | History Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#histgened/) | |

Philosophy Elective (<https://catalog.ccri.edu/course-descriptions/phil/>)

| | | Hours | 15 |
|---|---|--------------------|--------------|
| Year 2 | | | |
| Semester 1 | | | |
| BIOL 1001 | Introductory Biology: Organismal | | 4 |
| BIOL 2480 | General Microbiology | | 4 |
| CHEM 1030 | General Chemistry I | | 5 |
| Choose ONE of the following: | | | 3 |
| Literature Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/) | | | |
| World Language Elective | | | |
| | | Hours | 16 |
| Semester 2 | | | |
| BIOL 1310 | Introduction to Biotechnology Laboratory Skills | | 3 |
| CHEM 1100 | General Chemistry II | | 5 |
| Choose ONE of the following: | | | 3 |
| Art Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#artgened/) | | | |
| Music Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#muscgened/) | | | |
| Theatre Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#theagened/) | | | |
| Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/) | | | 3-4 |
| | | Hours | 14-15 |
| | | Total Hours | 60-62 |

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/).