

MATHEMATICS TRANSFER, DATA SCIENCE BS - ASSOCIATE IN ARTS (RIC)



This program may be completed at any campus, or may be completed fully online. Completing the program at the Flanagan (Lincoln) Campus, Liston (Providence) Campus, or Newport County Campus requires taking one or more courses online.

This program constitutes a JAA transfer program to RIC. 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.

The Mathematics Transfer, Data Science - Associate in Arts (RIC) is ideal for students who are seeking to broaden their mathematical knowledge to pursue a bachelor's degree in a mathematically intensive field.

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		
COMM 1010	Communication Fundamentals [^] (Work-Based Learning Course)	3
ENGL 1010	Composition I (or ENGL 1010A)	3
	General Education Elective (https://catalog.ccri.edu/academic-information/general-education/courses-approved-general-education-credits/)	3
	Lab Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#labscigened/)	4-5

MATH 1240	Statistical Analysis I	4
	Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)	3-4
	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/)	
Subtotal General Education		32-35
Major Requirements		
COMI 1150	Programming Concepts	3
MATH 2110	College Trigonometry	4
MATH 2111	Pre-Calculus Mathematics	4
MATH 2141	Calculus I	4
	Free Elective	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
	Free Elective	3
Subtotal Major Requirements		30
Total Hours		62-65

Recommended Course Sequence

Course	Title	Hours
Year 1		
Semester 1		
COMM 1010	Communication Fundamentals [^] (Work-Based Learning Course)	3
ENGL 1010	Composition I (or ENGL 1010A)	3
MATH 1240	Statistical Analysis I	4
	History Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#histgened/)	3
	Free Elective	3
Hours		16
Semester 2		
COMI 1150	Programming Concepts	3
MATH 2110	College Trigonometry	4
	Lab Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#labscigened/)	4-5

Free Elective		3
Free Elective		3
Hours		17-18
Year 2		
Semester 1		
MATH 2111	Pre-Calculus Mathematics	4
Literature Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#litgened/)		3
Social Science Elective (https://catalog.ccri.edu/academic-information/general-education/course-attributes/#sscigened/)		3
Free Elective		3
Free Elective		3
Hours		16
Semester 2		
MATH 2141	Calculus I	4
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
Free Elective		3
Free Elective		3
Hours		16
Total Hours		65-66

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/).