

# PHYSICS TRANSFER, PHYSICS BS - ASSOCIATE IN ARTS (URI)



## UPHY

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 JAA transfer program is designed to prepare students to transfer to the Physics B.S. program at URI, which provides a solid foundation in both theoretical and experimental physics. In addition to the general education requirements, this program includes the calculus I, II, & III series and the calculus-based classical physics I, II, & III series. Students entering this program should have a strong background in mathematics.

## 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>		
COMM 1010	Communication Fundamentals <sup>A</sup> Communication; Social and Professional Responsibilities	3
ENGL 1010	Composition I (or ENGL 1010A) Communication, Information Literacy	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
MATH 2111	Pre-Calculus Mathematics Quantitative Literacy	4
MATH 2141	Calculus I	4
PHYS 1150	University Physics I (and PHYS 1151)	4

	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
<b>Sub-total General Education</b>		<b>33</b>

<b>Major Requirements</b>		
MATH 2142	Calculus II	4
MATH 2243	Calculus III	4
PHYS 1500	University Physics II (and PHYS 1501)	4
PHYS 2000	University Physics III (and PHYS 2001)	4
Free Elective		3
Free Elective		3
Free Elective		3
Free Elective		3
<b>Sub-total Major Requirements</b>		<b>28</b>
<b>Total Hours</b>		<b>61</b>

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

## Recommended Course Sequence

Course	Title	Hours
<b>Year 1</b>		
<b>Semester 1</b>		
MATH 2111	Pre-Calculus Mathematics	4
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
	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
	Free Elective	3
<b>Hours</b>		<b>16</b>
<b>Semester 2</b>		
COMM 1010	Communication Fundamentals <sup>A</sup>	3
MATH 2141	Calculus I	4
PHYS 1150	University Physics I	3
PHYS 1151	University Physics I Laboratory	1
	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
	Free Elective	3
<b>Hours</b>		<b>17</b>
<b>Year 2</b>		
<b>Semester 1</b>		
MATH 2142	Calculus II	4
PHYS 1500	University Physics II	3

PHYS 1501	University Physics Lab II	1
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
Free Elective		3
<b>Hours</b>		<b>14</b>
<b>Semester 2</b>		
MATH 2243	Calculus III	4
PHYS 2000	University Physics III	3
PHYS 2001	University Physics III Lab	1
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>14</b>
<b>Total Hours</b>		<b>61</b>

^ 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/)).