

ACADEMIC RHODEMAP
BA TECHNOLOGY EDUCATION MAJOR
Concentration in Applied Technology



RHODE ISLAND COLLEGE

GENERAL EDUCATION: A complete listing of General Education courses can be found at the Office of Academic Support and Information Services (OASIS) or online at <http://www.ric.edu/recordsoffice/Pages/College-Catalog.aspx>; look at catalog for year you enrolled. For Gen Ed courses, aside from Second Language requirement, which varies depending on where you are placed, you need ONE course from each category. Second Language 101/102 options are: American Sign, Arabic, French, German, Italian, Japanese, Latin, Portuguese, or Spanish. For other ways to satisfy the second language requirement look under the Gen Ed. section of the catalog. Any courses marked (F) offered Fall only; (Sp) Spring; (Su) Summer. All courses marked with an asterisk * have a prerequisite.

Cognates	Course	Academic Major Checklist	Course
CSCI 157 Introduction to Algorithmic Thinking and Python*		TECH 202 Design Processes (Sp)	
CSCI 201 Computer Programming and Design*		TECH 204 Energy and Control Systems	
MGT 201 Foundations of Management*		TECH 216 Computer Aided Design	
MGT 331 Occupational and Environmental Safety Management (F)*		TECH 306 Automation and Control Systems (F)*	
MATH 209 Precalculus Mathematics*		TECH 326 Communication Systems (F)*	
MATH 212 Calculus I*		TECH 327 Construction Systems (Sp)*	
PHYS 101 General Physics I (F, Su)		TECH 328 Manufacturing Systems (Sp)*	
PHYS 102 General Physics II (Sp, Su)*		TECH 329 Transportation Systems*	
Academic Major		TECH 430 Internship in Applied Technology*	
TECH 200 Introduction to Technology Systems		TECH 431 Capstone Design Project*	

NOTE: This program does not lead to RIDE teaching certification

This map is a semester-by-semester plan to help you toward graduation in four years. Not everyone graduates in four years as it depends on how many courses you can take, and how you do in those courses. This map is not your only route; it is a suggestion. You might take additional courses over the summer or early spring to catch up or get ahead if the courses you need are offered at these times. While many courses in your major will have prerequisites that will need you to take them in a special order, there is some flexibility in this map, but always double check you have the correct prerequisites for a course you plan to take. Maps assume a Fall start.

The column to the left on the other side of this page suggests the ideal courses for you to take each semester. There are times when those courses may be full or unavailable the semester you plan to take them, in which case consider another course from a different semester with which you can switch. The column on the right has "Checkpoints" for each semester that show where you should be by the end of that semester. You should work from this map as you plan each semester's schedule, before checking in with your advisor. The Map is designed primarily for freshmen coming to college for the first time, but transfer students may also use the RhodeMap with the understanding that they have most likely completed several requirements through transfer of credit, and will be starting further into the program.

GRADUATION REQUIREMENTS: The following requirements must be completed by undergraduate degree candidates at Rhode Island College in order to graduate:

- General Education program, including a second language requirement
- College Math Competency (which is separate from the Gen Ed math requirement)
- College Writing Competency (satisfied by FYW with a minimum grade of C).
- Academic Major--includes Education courses and Language courses—see check chart above.
- A minimum of 120 credit hours, with a minimum of 45 credit hours taken at RIC. Of the 45 credit hours, a minimum of 15 credit hours must be in the major (12 of which must be at the 300- or 400-level).
- A minimum cumulative grade point average of 2.50 each semester
- A minimum grade point average of 2.50 in your Technology major courses.

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SEMESTER 1	CR	SEMESTER 1 CHECKPOINTS ✓
First Year Writing (FYW 100) or First Year Seminar (FYS 100).	4	<input type="checkbox"/> FYW 100P is a 6 credit option. To decide which FYW to take, see Directed Self-Placement test at www.ric.edu/firstyearwriting
TECH 200 Introduction to Technology Systems	3	<input type="checkbox"/> Minimum grade of B-
MATH 209 Precalculus Mathematics*	4	<input type="checkbox"/> Prereq. MATH 120 or consent
Gen Ed Distribution course from one of these GE categories: Arts (A) ; Literature (L); History (H); or Social and Behavioral Sciences (SB)	4	<input type="checkbox"/>
Requirements and GPA		<input type="checkbox"/> Aim for 16 earned credits (While 12 is fulltime, 16 credits are preferred to stay on track to graduate in 4 years) <input type="checkbox"/> Math competency completed <input type="checkbox"/> Minimum 2.75 overall GPA
# CREDITS EARNED	15	<input type="checkbox"/> Make appointment in Sept. with Technology Education advisor to discuss your schedule for next semester

SEMESTER 2	CR	SEMESTER 2 CHECKPOINTS ✓
FYW 100 or FYS 100	4	<input type="checkbox"/> Complete FYS and FYW, for FYW, grade B or better
Gen Ed--Second Lang 101 (based on placement, a course higher than 101/102 may be taken). If language requirement already satisfied: Gen Ed Distribution course	4	<input type="checkbox"/> Language placement test with Dept. of Modern Languages (optional) <input type="checkbox"/> Complete Second Lang 101 (if needed)
TECH 202 Design Processes (Sp)	3	Minimum grade of B-
MATH 212 Calculus I*	4	<input type="checkbox"/> Prereq. MATH 209
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 32 earned credits <input type="checkbox"/> Minimum 2.50 overall GPA
# CREDITS EARNED	15	<input type="checkbox"/> Make appointments with Tech Ed advisor in Feb. to discuss your schedule for next semester

SEMESTER 3	CR	SEMESTER 3 CHECKPOINTS ✓
TECH 204 Energy and Control Systems	3	<input type="checkbox"/> Minimum grade of B-
TECH 216 Computer Aided Design	3	<input type="checkbox"/> Minimum grade of B-
CSCI 157 Introduction to Algorithmic Thinking and Python*	4	<input type="checkbox"/> Prereq. for CSCI 157 is Math competency <input type="checkbox"/> CSCI 157 completed
Gen Ed Distribution course from one of these GE categories: Arts (A); Literature (L); History (H); or Social and Behavioral Sciences (SB)	4	
Gen Ed--Second Lang 102* (if needed), or other needed Gen Ed course.	4	<input type="checkbox"/> Complete Second Lang 102*, grade C or better (if needed)
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 45 earned credits <input type="checkbox"/> Minimum 2.50 overall GPA <input type="checkbox"/> Minimum GPA of 2.75 in Tech Ed major
# CREDITS EARNED	18	<input type="checkbox"/> Make appointments with Tech Ed advisor in Sept. to discuss your schedule for next semester

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SEMESTER 4	CR	SEMESTER 4 CHECKPOINTS ✓
PHYS 101 General Physics I	4	Satisfies Gen Ed-Natural Science (NS)
TECH 329 Transportation Systems*	3	Prereq.TECH 200 or TECH 202
TECH 327 Construction Systems* or TECH 328 Manufacturing Systems*	3	<input type="checkbox"/> Both--prereq.TECH 200 or TECH 202; minimum grade of B-
Gen Ed Distribution course from one of these GE categories: Arts (A); Literature (L); History (H); or Social and Behavioral Sciences (SB)	4	<input type="checkbox"/>
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 60 earned credits <input type="checkbox"/> Minimum 2.50 overall GPA <input type="checkbox"/> Minimum GPA of 2.75 in Tech Ed major
# CREDITS EARNED	14	<input type="checkbox"/> Make appointment in Feb. with advisor to discuss your schedule for next semester

SEMESTER 5	CR	SEMESTER 5 CHECKPOINTS ✓
PHYS 102 General Physics II	4	<input type="checkbox"/> Prereq. PHYS 101
MGT 201 Foundations of Management*	3	<input type="checkbox"/> Prereq.45 completed credits
CSCI 201 Computer Programming and Design*	3	<input type="checkbox"/> Prereq. CSCI 157
Gen Ed Distribution course Arts (A); Literature (L); History (H); or Social and Behavioral Sciences (SB), or elective	4	
TECH 326 Communication Systems*	3	Prereq.TECH 200 or TECH 202
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 75 earned credits <input type="checkbox"/> Minimum 2.50 overall GPA <input type="checkbox"/> Minimum GPA of 2.75 in Tech Ed major
# CREDITS EARNED	17	<input type="checkbox"/> Make appointment in Sept. with advisor to discuss your schedule for next semester

SEMESTER 6	CR	SEMESTER 6 CHECKPOINTS ✓
TECH 327 Construction Systems* or TECH 328 Manufacturing Systems* (Sp)	3	<input type="checkbox"/> Both--prereq.TECH 200 or TECH 202; minimum grade of B-
Choose 1 Advanced Quantitative/Scientific Reasoning (Gen Ed-AQSR)* or Gen Ed Connections (C)	4	<input type="checkbox"/> Prereqs for (AQSR) are Gen Ed-NS and/or Gen Ed-M <input type="checkbox"/> Prereqs for (C) are 45 completed credits and FYW and FYS
Gen Ed Distribution course Arts (A); Literature (L); History (H); or Social and Behavioral Sciences (SB)	3-4	
Elective	3-4	<input type="checkbox"/> May need to take more to reach 120 credits
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 90 earned credits <input type="checkbox"/> Minimum 2.50 overall GPA <input type="checkbox"/> Minimum GPA of 2.75 in Tech Ed major <input type="checkbox"/> Apply for degree audit online through MyRIC
# CREDITS EARNED	13-15	<input type="checkbox"/> Make appointment in Feb. with advisor to discuss your schedule for next semester

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SEMESTER 7	CR	SEMESTER 7 CHECKPOINTS ✓
Choose 1 Advanced Quantitative/Scientific Reasoning (Gen Ed-AQSR)* or Gen Ed Connections (C)	4	<input type="checkbox"/> Prereqs for (AQSR) are Gen Ed-NS and/or Gen Ed-M <input type="checkbox"/> Prereqs for (C) are 45 completed credits and FYW and FYS
MGT 331 Occupational and Environmental Safety Management (F)*	3	<input type="checkbox"/> Prereq. MGT 201
TECH 306 Automation and Control Systems* (F)	3	<input type="checkbox"/> Prereq. TECH 200 or TECH 202
TECH 430 Internship in Applied Technology*	6	Prereq. Senior standing and all content courses complete, with 27 credits in content area with a minimum GPA of 2.75
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 105 earned credits <input type="checkbox"/> Minimum 2.50 overall GPA <input type="checkbox"/> Minimum GPA of 2.75 in Tech Ed major
# CREDITS EARNED	16	<input type="checkbox"/> Make appointment in Sept. with advisor to discuss your schedule for next semester

SEMESTER 8	CR	SEMESTER 8 CHECKPOINTS ✓
TECH 431 Capstone Design Project*	4	<input type="checkbox"/> Prereq. Senior standing and all content courses complete, with 27 credits in content area with a minimum GPA of 2.75
2 Electives	6-8	<input type="checkbox"/> May need to take more to reach 120 credits
Requirements and GPA		<input type="checkbox"/> Need minimum of 120 earned credits <input type="checkbox"/> Minimum 2.50 overall GPA <input type="checkbox"/> Minimum GPA of 2.75 in Tech Ed major
# CREDITS EARNED	13-14	Attend Gradfest and Commencement

For more information, check the Education Studies Department website:

<http://www.ric.edu/educationalStudies/Pages/default.aspx>

Note: The total credit count for the major is 67 credits, and 40 credits for General Education. However, 12 Gen Ed. credits for AQR, M and NS will double-count, so the overall total will be 95 credits, leaving room for 25 credits that may need to include two secondary language courses, or can be used toward a minor or as electives.