

## Academic Rhode Map for BS Technology Education Major at Rhode Island College with Concentration in Applied Technology

**GENERAL EDUCATION:** A complete listing of General Education courses can be found at the Office of Academic Support (OASIS) 401 456-8083 or in the online catalog; 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, Korean, Latin, Portuguese, or Spanish. For other ways to satisfy the second language requirement look under the Gen Ed. section of the catalog. For information about Math Placement exam visit the orientation webpage. Any courses marked (F) offered Fall only; (Sp) Spring only. Courses with an asterisk\* have prerequisites. Courses with a "W" in the prefix are Writing in the Discipline (WID) courses and will be writing intensive.

Cognates	Course	Academic Major Checklist	Course
CSCI 157 Introduction to Algorithmic Thinking and Python*		TECH 202W Design Processes (Sp) (WID)	
CSCI 211 Computer Programming and Design*		TECH 204 Energy and Control Systems	
MGT 201W Foundations of Management*(WID)		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*	
MATH 212 Calculus I*		TECH 327 Construction Systems*	
PHYS 101 Physics for Science and Mathematics I*		TECH 328 Manufacturing Systems*	
PHYS 102 Physics for Science and Mathematics II*		TECH 329 Transportation Systems*	
<b>Academic Major</b>		TECH 430 Internship in Applied Technology*	
TECH 200 Introduction to Technology Systems		TECH 431W Capstone Design Project* (WID)	

**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 you will need to take 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 Rhode Map 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 and RIC 100 or its equivalent
- 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. Writing in the Discipline requirement is satisfied through major courses
- 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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<b>SEMESTER 1</b>	<b>CR</b>	<b>SEMESTER 1 CHECKPOINTS</b>
FYW 100 First Year Writing	4	FYW 100P is a 6-credit option. There is a Directed Self-Placement questionnaire you can take to aid in this decision; check the RIC First Year Writing website. Need a minimum grade of B
RIC 100 Introduction to Rhode Island College	1	Exempt if taking COLL 101, COLL 150, or HONR 150
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	Language placement test with Dept. of Modern Languages (optional). Complete Second Lang 101 (if needed)
TECH 200 Introduction to Technology Systems	3	Minimum grade of B-
MATH 209 Precalculus Mathematics*	4	Prereq. MATH 120 or appropriate score on mathematics placement exam
Requirements and GPA		Aim for 16 earned credits (While 12 is fulltime, 16 credits are preferred to stay on track to graduate in 4 years). Math competency completed. Minimum 2.50 overall GPA
# CREDITS EARNED	16	Make appointment in Sept. with <b>Technology Education advisor</b> to discuss your schedule for next semester

<b>SEMESTER 2</b>	<b>CR</b>	<b>SEMESTER 2 CHECKPOINTS</b>
FYS 100 First Year Seminar	4	
Gen Ed--Second Lang 102* (if needed), or other needed Gen Ed course.	4	Complete Second Lang 102* (if needed)
TECH 202W Design Processes (Sp) (WID)	3	Minimum grade of B-
MATH 212 Calculus I*	4	Prereq. MATH 209
Requirements and GPA		Aim for minimum of 32 earned credits with minimum 2.50 overall GPA
# CREDITS EARNED	15	Make appointments with Tech Ed advisor in Feb. to discuss your schedule for next semester

<b>SEMESTER 3</b>	<b>CR</b>	<b>SEMESTER 3 CHECKPOINTS</b>
TECH 204 Energy and Control Systems	3	Minimum grade of B-
TECH 216 Computer Aided Design	3	Minimum grade of B-
CSCI 157 Introduction to Algorithmic Thinking and Python*	4	Prereq. for CSCI 157 is Math competency; CSCI 157 completed
Two Gen Ed Distribution courses from <b>any of</b> these GE categories: Arts (A); Literature (L); History (H); or Social and Behavioral Sciences (SB)	8	Need ONE from each category
Requirements and GPA		Aim for minimum of 45 earned credits, with minimum 2.50 overall GPA and 2.75 in Tech Ed major courses
# CREDITS EARNED	18	Make appointments with Tech Ed advisor in Sept. to discuss your schedule for next semester

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<b>SEMESTER 4</b>	<b>CR</b>	<b>SEMESTER 4 CHECKPOINTS</b>
PHYS 101 Physics for Science and Mathematics I*	4	Prereq. MATH 120 or appropriate score on mathematics placement exam. Satisfies Gen Ed-Natural Science (NS)
TECH 326 Communication Systems*	3	Prereq. TECH 200 or TECH 202 or TECH 202W
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); Literature (L); History (H); or Social and Behavioral Sciences (SB), or elective	3-4	Need <b>ONE</b> from each category
Elective	3-4	
Requirements and GPA		Aim for minimum of 60 earned credits, with minimum 2.50 overall GPA and 2.75 in Tech Ed major courses
# CREDITS EARNED	17-18	Make appointment in Feb. with advisor to discuss your schedule for next semester

<b>SEMESTER 5</b>	<b>CR</b>	<b>SEMESTER 5 CHECKPOINTS</b>
TECH 327 Construction Systems* or TECH 328 Manufacturing Systems*	3	Both—prereq. TECH 200 or TECH 202 or TECH 202W; minimum grade of B-
PHYS 102 Physics for Science and Mathematics II*	4	Prereq. PHYS 101
MGT 201W Foundations of Management* (WID)	4	Prereq. 45 completed credits
CSCI 211 Computer Programming and Design*	3	Prereq. CSCI 157
Requirements and GPA		Aim for minimum of 75 earned credits, with minimum 2.50 overall GPA and 2.75 in Tech Ed major courses
# CREDITS EARNED	14	Make appointment in Sept. with advisor to discuss your schedule for next semester

<b>SEMESTER 6</b>	<b>CR</b>	<b>SEMESTER 6 CHECKPOINTS</b>
Gen Ed Connections (C)	4	Prereqs. 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	All Gen Eds. completed.
TECH 327 Construction Systems* or TECH 328 Manufacturing Systems* (Sp)	3	Both—prereq. TECH 200 or TECH 202 or TECH 202W; minimum grade of B-
Elective	3-4	May need to take more to reach 120 credits
Requirements and GPA		Aim for minimum of 90 earned credits, with minimum 2.50 overall GPA and 2.75 in Tech Ed major courses. Need to finalize internship placements. Apply for degree audit online through MyRIC
# CREDITS EARNED	13-15	Make appointment in Feb. with advisor to discuss your schedule for next semester

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<b>SEMESTER 7</b>	<b>CR</b>	<b>SEMESTER 7 CHECKPOINTS</b>
MGT 331 Occupational and Environmental Safety Management (F)*	4	Prereq. MGT 201 or MGT 201W
TECH 306 Automation and Control Systems* (F)	4	Prereq. TECH 200 or TECH 202 or TECH 202W; satisfies Gen Ed. AQR
TECH 329 Transportation Systems*	3	Prereq. TECH 200 or TECH 202 or TECH 202W
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		Aim for minimum of 105 earned credits, with minimum 2.50 overall GPA and 2.75 in Tech Ed major courses
# CREDITS EARNED	14	Make appointment in Sept. with advisor to discuss your schedule for next semester

<b>SEMESTER 8</b>	<b>CR</b>	<b>SEMESTER 8 CHECKPOINTS</b>
TECH 431W Capstone Design Project* (WID)	4	Prereq. Senior standing and all content courses complete, with 27 credits in content area with a minimum GPA of 2.75
2 Electives	8	May need to take more to reach 120 credits
Requirements and GPA		Need minimum of 120 earned credits, with minimum 2.50 overall GPA and 2.75 in Tech Ed major
# CREDITS EARNED	12	Attend Grad-fest and Commencement

**For more information, check the Technology Education website:**

<https://www.ric.edu/departments-directory/departments-educational-studies/departments-educational-studies-undergraduate-programs/technology-education-bs>

**Note: The total credit count for the major is 70 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 98 credits, leaving room for 22 credits that may need to include two secondary language courses and RIC 100, or can be used toward a minor or as electives.**