

**ACADEMIC RHODEMAP**  
**BS COMPUTER INFORMATION SYSTEMS MAJOR**



**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 <https://www.ric.edu/recordsoffice/catalog.php>; 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 only. All courses marked with an asterisk \* have a prerequisite.

Cognates	Course	Academic Major Checklist	Course
ENGL 230 Writing for the Professional Setting*		CIS 251 Computers in Management	
ACCT 201 Principles of Accounting I: Financial*		CIS 352 Management Information Systems*	
ACCT 202 Principles of Accounting I: Managerial*		CIS 421 Networks and Infrastructure*	
MATH 177 Quantitative Business Analysis I*		CIS 453 System Analysis and Design*	
MATH 248 Business Statistics I*		CIS 455 Database Programming*	
ECON 214 Principles of Microeconomics*		CIS 462 Applied Software Development*	
ECON 215 Principles of Macroeconomics*		Choose ONE from CIS 255 Intro to Java in Business*, CIS 256 Intro to Cobol Programming*, CIS 257 Intro to Visual Basic in Business*, CIS 355 Adv. Business Application in Java*, or CIS 357 Adv. Business Application in Visual Basic*	
FIN 301 Managerial Finance and Control*		Choose THREE restricted professional electives (9-12 credits) from any 300 level or above CIS or CSCI courses*, or COMM 330*	
MGT 301 Foundations of Management*			
MGT 341 Business, Government, and Society*			
MGT 348 Operations Management*			
MKT 301 Introduction to Marketing*			

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/winter) 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—see check chart.
- 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 overall grade point average of 2.0
- A minimum grade point average of 2.0 in your major

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<b>SEMESTER 1</b>	<b>CR</b>	<b>SEMESTER 1 CHECKPOINTS ✓</b>
First Year Writing (FYW 100) or First Year Seminar (FYS 100)	4	<input type="checkbox"/> FYW 100P is 6 credits. To decide which FYW to take, see Directed Self-Placement test at <a href="http://www.ric.edu/firstyearwriting">www.ric.edu/firstyearwriting</a>
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS).	4	
Gen Ed--Second Lang 101 (based on placement, a course higher than 101/102 may be taken). If language requirement satisfied: another 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)
Gen Ed—MATH 177	4	<input type="checkbox"/> Prerequisite is Math competency completed or MATH 120
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 2.0 GPA
# CREDITS EARNED	16	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept.

<b>SEMESTER 2</b>	<b>CR</b>	<b>SEMESTER 2 CHECKPOINTS ✓</b>
FYW 100 or FYS 100	4	<input type="checkbox"/> Complete FYS and FYW, for FYW, grade C or better
Gen Ed--Second Lang 102* (if needed), or another Gen Ed Distribution course in a needed category.	4	<input type="checkbox"/> Complete Second Lang 102*, grade C or better (if needed)
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS).	4	
CIS 251 Computers in Management	3	
ECON 214 Microeconomics*	3	<input type="checkbox"/> Prerequisite is Math competency completed
Requirements and GPA		<input type="checkbox"/> Need a minimum of 30 earned credits <input type="checkbox"/> Minimum 2.0 GPA
# CREDITS EARNED	18	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb.

<b>SEMESTER 3</b>	<b>CR</b>	<b>SEMESTER 3 CHECKPOINTS ✓</b>
ACCT 201 Principles of Accounting I: Financial*	3	<input type="checkbox"/> Prerequisite 30 completed credits
ECON 215 Macroeconomics*	3	<input type="checkbox"/> Prerequisite ECON 214
ENGL 230 Writing for Professional Settings	4	<input type="checkbox"/> Prerequisite FYW or College Writing Requirement
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS).	4	<input type="checkbox"/> Complete Natural Sciences Gen Ed
Requirements and GPA		<input type="checkbox"/> Need minimum of 45 earned credits, <input type="checkbox"/> Minimum of 2.0 GPA
# CREDITS EARNED	14	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept.

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<b>SEMESTER 4</b>	<b>CR</b>	<b>SEMESTER 4 CHECKPOINTS ✓</b>
MATH 248 Business Statistics I*	4	<input type="checkbox"/> Prerequisite is MATH 177 <input type="checkbox"/> Satisfies Advanced Quantitative/Scientific Reasoning (GE-AQSR)*
CIS 255, 256, or 257 (Programming course)	3	<input type="checkbox"/> Prereq. CIS 251
ACCT 202 Principles of Accounting I: Managerial*	3	<input type="checkbox"/> Prerequisite ACCT 201
Gen Ed Distribution course from <b>one</b> of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS)	4	<input type="checkbox"/> Choose a category you have not previously taken
Requirements and GPA		<input type="checkbox"/> Need minimum of 60 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major
# CREDITS EARNED	14	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb.

<b>SEMESTER 5</b>	<b>CR</b>	<b>SEMESTER 5 CHECKPOINTS ✓</b>
CIS 352 Management Information Systems*	3	<input type="checkbox"/> Prereqs are CIS 251 and 60 completed credits
FIN 301 Managerial Finance and Control*	4	<input type="checkbox"/> Prereqs are ACCT 201, ECON 214 and 215, and MATH 177
MGT 301 Foundations of Management*	3	<input type="checkbox"/> Prerequisite 45 completed credits
MKT 301 Introduction to Marketing*	3	<input type="checkbox"/> Prereqs are ACCT 201 and 60 completed credits
Additional Gen Ed Distribution course or an elective.	3-4	
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 75 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major
# CREDITS EARNED	16-17	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept.

<b>SEMESTER 6</b>	<b>CR</b>	<b>SEMESTER 6 CHECKPOINTS ✓</b>
Choose Connections course (GE-C)*	4	<input type="checkbox"/> Prereqs are 45 completed credits and FYW and FYS.
CIS 455 Database Programming*	3	<input type="checkbox"/> Prereqs are CIS 352 and one course from CIS 255, 256, 257, or consent of department chair
300 level or above CIS* or CSCI*, or COMM 330*	3	<input type="checkbox"/> Varied prereqs—check catalog
MGT 341 Business, Government, and Society*	3	<input type="checkbox"/> Prereqs are 60 completed credits
Elective	3-4	<input type="checkbox"/>
Requirements and GPA		<input type="checkbox"/> Aim for minimum of 90 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major <input type="checkbox"/> Apply for degree audit online through MyRIC
# CREDITS EARNED	16-17	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Feb.

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<b>SEMESTER 7</b>	<b>CR</b>	<b>SEMESTER 7 CHECKPOINTS ✓</b>
CIS 453 Systems Analysis and Design*	3	<input type="checkbox"/> Prereqs are CIS 352 and one course from CIS 255, 256, 257, or consent of department chair
CIS 421 Networks and Infrastructure*	3	<input type="checkbox"/> Prereqs are CIS 352 or consent of department chair
MGT 348 Operations Management*	3	<input type="checkbox"/> Prereqs are MGT 301 and MATH 248
300 level or above CIS* or CSCI*, or COMM 330*	3	<input type="checkbox"/> Varied prerequisites--check catalog
Additional Gen Ed Distribution course or an elective	3-4	
Requirements and GPA		<input type="checkbox"/> All ten GE courses and second lang. req. completed <input type="checkbox"/> Aim for minimum of 105 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major
# CREDITS EARNED	15-16	<input type="checkbox"/> Make appointment with advisor to discuss your schedule for next semester in Sept.

<b>SEMESTER 8</b>	<b>CR</b>	<b>SEMESTER 8 CHECKPOINTS ✓</b>
Elective	3-4	
Elective	3-4	
CIS 462 Applied Software*	3	<input type="checkbox"/> Prereqs are CIS 453 and CIS 455, or consent of department chair
300 level or above CIS* or CSCI*, or COMM 330*	3	<input type="checkbox"/> Varied prerequisites--check catalog
Requirements and GPA		<input type="checkbox"/> Need minimum of 120 earned credits <input type="checkbox"/> Minimum of 2.0 GPA <input type="checkbox"/> Minimum GPA of 2.0 in major
# CREDITS EARNED	12-14	Attend Gradfest and Commencement

**For more information, check the Accounting and Computer Information Systems Department website:**

<http://www.ric.edu/accounting/index.php>