Academic Rhode Map for BS Computer Information Systems Major
at Rhode Island College

GENERAL EDUCATION: A complete listing of General Education courses can be found 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, 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
ACCT 201 Principles of Accounting I: Financial*		CIS 252 Introduction to Information Systems*	
ECON 214 Principles of Microeconomics*		CIS 301 Introduction to Computer Programming in Business*	
ENGL 230W Workplace Writing* (WID)		CIS 320 IT: Hardware and Software Systems(Sp)*	
FIN 301 Financial Management*		CIS 421 Networks and Infrastructure*	
MATH 177 Quantitative Business Analysis*		CIS 440 Issues in Computer Security*	
MATH 248 Business Statistics I*		CIS 455W Database Programming* (WID)	
MGT 201W Foundations of Management* (WID)		CIS 462W Applied Software Development* (WID)	
MKT 201W Introduction to Marketing* (WID)		Choose TWO restricted professional electives (8 credits) from any 300-level or above CIS or CSCI courses*	
Note. ECON 215 may be substituted for 214 in consultation with advisor.			

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 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 equivalent
- College Math Milestone (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. 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 overall grade point average of 2.0
- A minimum grade point average of 2.0 in your major

Approved by Department Chair: Suzanne Mello-Stark Date   6/5/2023
Approved by Undergraduate Curriculum Committee: Date   6/5/2023   Revised:

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SEMESTER 1	CR		SEMESTER 1 CHECKPOINTS
First Year Writing (FYW 100) or First Year Seminar (FYS 100)	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.
RIC 100 Introduction to Rhode Island College	1		Exempt if taking COLL 101, COLL 150, or HONR 150
Gen Ed Distribution course from **one** 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		Language placement test with Dept. of Modern Languages (optional). Complete Second Lang 101 (if needed)
Gen Ed—MATH 177 Quantitative Business Analysis*	4		Prerequisite is Math Milestone/Math Placement Exam, or MATH 120
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 Milestone completed. Minimum 2.0 GPA
# CREDITS EARNED	17		Make appointment with advisor to discuss your schedule for next semester in Sept.

SEMESTER 2	CR		SEMESTER 2 CHECKPOINTS
FYW 100 or FYS 100	4		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		Complete Second Lang 102* (if needed)
Gen Ed Distribution course from **one** of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS).	4		
CIS 252 Introduction to Information Systems*	4		Prerequisite 15 completed credits
Requirements and GPA			Need a minimum of 30 earned credits, with minimum of 2.0 GPA overall and in the major
# CREDITS EARNED	16		Make appointment with advisor to discuss your schedule for next semester in Feb.

SEMESTER 3	CR		SEMESTER 3 CHECKPOINTS
ACCT 201 Principles of Accounting I: Financial*	3		Prerequisite 30 completed credits
ECON 214 Principles of Microeconomics*	3		Prerequisite is Math Milestone completed
ENGL 230W Workplace Writing* (WID)	4		Prerequisite FYW or College Writing Requirement
Gen Ed Distribution course from **one** of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS).	4		Complete Natural Sciences Gen Ed
Requirements and GPA			Need minimum of 45 earned credits, with minimum of 2.0 GPA overall and in the major
# CREDITS EARNED	14		Make appointment with advisor to discuss your schedule for next semester in Sept.

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SEMESTER 4	CR		SEMESTER 4 CHECKPOINTS
MATH 248 Business Statistics I*	4		Prerequisite is MATH 177. Satisfies Advanced Quantitative/Scientific Reasoning (GE-AQSR)*
CIS 301 Introduction to Computer Programming in Business*	4		Prerequisite CIS 252 or CSCI 102 or consent of department chair
CIS 320 IT: Hardware and Software Systems (Sp)*	4		Prerequisite CIS 252 or CSCI 102 or consent of department chair
Gen Ed Distribution course from **one** of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS), or elective if these all done.	4		Choose a category you have not previously taken
Requirements and GPA			Need minimum of 60 earned credits, with minimum of 2.0 GPA overall and in the major
# CREDITS EARNED	16		Make appointment with advisor to discuss your schedule for next semester in Feb.

SEMESTER 5	CR		SEMESTER 5 CHECKPOINTS
CIS 421 Networks and Infrastructure*	4		Prereqs are CIS 252 or CSCI 102 and completion of 45 credits, or consent of department chair
FIN 301 Financial Management*	4		Prereqs are ACCT 201 and MATH 177
MGT 201W Foundations of Management* (WID)	4		Prerequisite 30 completed credits
Gen Ed Distribution course from **one** of these GE categories: Arts (A); Social and Behavioral Sciences (SB); History (H); Literature (L), or Natural Sciences (NS), or elective if these all done.	3-4		Choose a category you have not previously taken
Requirements and GPA			Aim for minimum of 75 earned credits, with minimum of 2.0 GPA overall and in the major
# CREDITS EARNED	15-16		Make appointment with advisor to discuss your schedule for next semester in Sept.

SEMESTER 6	CR		SEMESTER 6 CHECKPOINTS
Choose Connections course (GE-C)*	4		Prereqs are 45 completed credits and FYW and FYS.
CIS 455W Database Programming* (WID)	4		Prereqs. are CIS 252 or CSCI 102 or DATA 245, AND CIS 301 or CSCI 157, or consent of department chair
300 level or above CIS* or CSCI*	4		Varied prereqs—check catalog
MKT 201W Introduction to Marketing* (WID)	4		Prerequisites are 30 completed credits
Requirements and GPA			Aim for minimum of 90 earned credits, with minimum of 2.0 GPA overall and in the major. Apply for degree audit online through MyRIC
# CREDITS EARNED	16		Make appointment with advisor to discuss your schedule for next semester in Feb.

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SEMESTER 7	CR		SEMESTER 7 CHECKPOINTS
CIS 440 Issues in Computer Security*	4		CIS 252 or CSCI 102 and completion of 45 credits, or consent of department chair
300 level or above CIS* or CSCI*	4		Varied prerequisites--check catalog
Additional Gen Ed Distribution course if needed or an elective	3-4		
Elective	3-4		
Requirements and GPA			Aim for minimum of 105 earned credits, with minimum of 2.0 GPA overall and in the major
# CREDITS EARNED	14-16		Make appointment with advisor to discuss your schedule for next semester in Sept.

SEMESTER 8	CR		SEMESTER 8 CHECKPOINTS
CIS 462W Applied Software* (WID)	4		Prerequisites are CIS 301 or CSCI 157, AND CIS 455 or CIS 455W or CSCI 432, or consent of department chair
Additional Gen Ed Distribution course if needed or an elective for four credits to be full time	4		All TEN Gen Ed. courses completed.
Elective	4		
Requirements and GPA			Need minimum of 120 earned credits, with minimum of 2.0 GPA overall and in the major
# CREDITS EARNED	12		Attend Gradfest and Commencement

For more information, check the COMPUTER SCIENCE AND INFORMATION SYSTEMS Department website:
https://www.ric.edu/department-directory/department-computer-science-and-information-systems/computer-information-systems-bs

The total minimum credit count for the major is 66 credits, and 40 credits for General Education. However, 8 Gen Ed. credits for M and AQSR will double-count, so the minimum total is 98, leaving room for 22 credits that may need to include two secondary language courses and RIC 100, or can be electives.