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

- This Rhode Map is a suggested pathway to graduation in 8 semesters
  - There are other valid pathways available to graduation - part time, summer/early spring classes, etc.
- The left column contains the suggested courses for each semester, the right column contains notes for the course and about progress towards graduation
- Some courses might not be offered during the semester shown on the map
  - In these cases, courses listed in future semesters can be substituted if their prerequisites have been satisfied
  - Your advisor can help you determine which courses can be used during your appointment each semester
- This Rhode Map is designed primarily with incoming freshmen in mind and assumes a Fall start
  - Transfer students can also use it as a guide, knowing that their transfer credits may have satisfied some requirements. Academic advisors are available to answer questions about how these will affect the program
  - Students starting in the spring may need to adjust based on class offerings and availability

GENERAL EDUCATION REQUIREMENTS CHECKLIST

FYW 100 – Taken in first year (Cannot be used as elective)		**Distribution Courses -** One from each category	**Math (M)** - Suggested in first year - Satisfied by MATH 177
			Arts (A)
FYS 100 – Taken in first year (Cannot be used as elective)			**History/Philosophy (HP)**
			Literature/Language (LL)
			Natural Science (NS)
Connections – Taken after FYW & FYS			**Social & Behavioral Sciences (SB)**
			Elective(s) for 40 total Gen Ed credits (E)

MAJOR REQUIREMENTS CHECKLIST

ACCT 201 Principles of Accounting I: Financial	CIS 252 Introduction to Information Systems
BUSI 100 Introduction to Business at RIC	CIS 301 Introduction to Computer Programming in Business **OR** CSCI 157 Introduction to Algorithmic Thinking in Python
ECON 214 Principles of Microeconomics	
ENGL 230W Workplace Writing	CIS 320 Information Technology: 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
MGT 201W Foundations of Management	CIS 462W Applied Software Development
MKT 201W Introduction to Marketing	Choose TWO restricted professional electives (8 credits) from any 300-level or above CIS or CSCI courses

Graduation Requirements:

- **Completion of General Education Requirements –** See table above
- **Completion of Major Requirements —** See table above
- **BUSI 100 or Equivalent (eg RIC 100) —** Taken in first year
- **College Math Milestone —** Satisfied by placement exam or completion of MATH 010
- **College Writing Competency —** Satisfied by FYW 100 with a minimum grade of C
- **Minimum 120 Credit Hours —** At least 30 credits at RIC (of which 15 from major, including 12 at 300 or 400 level)
- **Minimum GPA -** 2.0 overall

The total credit count for the major is 68 credits, and 40 credits for General Education. However, 8 Gen. Ed. credits for M and Elective can double count, so the program can be completed in 100 credits.

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SEMESTER 1	CR		SEMESTER 1 NOTES
First Year Writing (FYW 100) **OR** First Year Seminar (FYS 100)	4		FYW Directed Self Placement exam
BUSI 100 Introduction to Business at RIC	2		Exempt if taking/taken COLL 101, COLL 150, HONR 150, or RIC 100
MATH 177 Quantitative Business Analysis	4		Prerequisite = Math Milestone/Math Placement Exam or MATH 120, Satisfies Gen Ed Math (M)
General Education Course (Any still needed)	3-4		
General Education Course (Any still needed)	3-4		
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	16 -18		*By October, make appointment with advisor to discuss your schedule for next semester*

SEMESTER 2	CR		SEMESTER 2 NOTES
First Year Writing (FYW 100) **OR** First Year Seminar (FYS 100)	4		
General Education Course (Any still needed)	3-4		
General Education Course (Any still needed)	3-4		
CIS 252 Introduction to Information Systems	4		Prerequisite 15 completed credits
Requirements and GPA			*Need a minimum of 30 earned credits; minimum 2.0 GPA*
# CREDITS EARNED	16		*By March, make appointment with advisor to discuss your schedule for next semester*

SEMESTER 3	CR		SEMESTER 3 NOTES
ACCT 201 Principles of Accounting I: Financial	3		Prerequisite = 30 completed credits
ECON 214 Principles of Microeconomics	3		Prerequisite = Math Milestone completed
ENGL 230W Workplace Writing	4		Prerequisite = FYW or College Writing Requirement
General Education Course (Any still needed)	3-4		
Requirements and GPA			*Need minimum of 45 earned credits; minimum of 2.0 GPA*
# CREDITS EARNED	14		*By October, make appointment with advisor to discuss your schedule for next semester*

SEMESTER 4	CR		SEMESTER 4 NOTES
MATH 248 Business Statistics I	4		Prerequisite = MATH 177
CIS 301 Introduction to Computer Programming in Business **OR** CSCI 157 Introduction to Algorithmic Thinking in Python	4		Prereq. CIS 301 = CIS 252 or CSCI 102 or consent of department chair Prereq. CSCI 157 = Completed college mathematics milestone.
CIS 320 IT: Hardware and Software Systems (Sp)	4		Prerequisite = CIS 252 or CSCI 102 or consent of department chair
General Education Course (Any still needed)	3-4		
Requirements and GPA			*Need minimum of 60 earned credits; minimum of 2.0 GPA and minimum GPA of 2.0 in major*
# CREDITS EARNED	15 -16		*By March, make appointment with advisor to discuss your schedule for next semester*

SEMESTER 5	CR		SEMESTER 5 NOTES
CIS 421 Networks and Infrastructure	4		Prereqs = CIS 252 or CSCI 102 and completion of 45 credits, or consent of department chair
FIN 301 Financial Management	4		Prereqs = ACCT 201 and MATH 177
MGT 201W Foundations of Management	4		Prerequisite = 30 completed credits
General Education Course (Any still needed)	3-4		
Requirements and GPA			*Aim for minimum of 75 earned credits; minimum of 2.0 GPA; and minimum GPA of 2.0 in major*
# CREDITS EARNED	15-16		*By October, make appointment with advisor to discuss your schedule for next semester*

SEMESTER 6	CR		SEMESTER 6 NOTES
Gen Ed - Connections	4		Prereqs = FYW and FYS
CIS 455W Database Programming	4		Prereqs = 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	4		Prerequisites = 30 completed credits
Requirements and GPA			*Aim for minimum of 90 earned credits; minimum of 2.0 GPA; and minimum GPA of 2.0 in major. Apply for degree audit online through MyRIC*
# CREDITS EARNED	16		*By March, make appointment with advisor to discuss your schedule for next semester*

SEMESTER 7	CR		SEMESTER 7 NOTES
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 course if needed or an elective	3-4		
Elective	3-4		
Requirements and GPA			*Aim for minimum of 105 earned credits; minimum of 2.0 GPA; and minimum GPA of 2.0 in major*
# CREDITS EARNED	14-16		*By October, make appointment with advisor to discuss your schedule for next semester*

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SEMESTER 8	CR		SEMESTER 8 NOTES
CIS 462W Applied Software	4		Prerequisites = CIS 301 or CSCI 157, AND CIS 455 or CIS 455W or CSCI 432, or consent of department chair
Additional Gen Ed course if needed or an elective for four credits to be full time	4		
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*

NOTES:

- The total number of credits needed for the major, general education, and other requirements may be less than the 120 required for graduation. Those remaining credits can be satisfied with electives, or they can be used toward a second major or minor which could be very useful.
    - Along with your advisor, this Rhode Map can help you determine if a second major or minor could fit into your plan

Approved by Department Chair: Suzanne Mello-Stark	Date: 12/2/2024
Approved by Undergraduate Curriculum Committee	Date: 11/8/2024
Revised:	