

Academic Rhode Map for Exploring Science/Mathematics at Rhode Island College

For possible majors in **Biology, Biotechnology, Chemistry, Computer Science, Data Science, Mathematics, or Physics**

Office of Academic Advising 401-456-8083

Along with the collaborative relationship you will build with your assigned academic advisor, this map is a semester-by-semester guide toward choosing a major. It is designed primarily for freshmen coming to college for the first time who are still exploring their academic options. As soon as you decide on a major, you need no longer follow this Map. Contact the chair/director of your chosen department/program to declare the major and schedule an advising appointment. You will then be assigned a faculty advisor within that department/program.

This map is not your only route; it is a suggestion. The column to the left suggests the ideal courses for each semester, which are designed to help you to graduate in four years. Such a timeline depends on how many courses you can take, how you perform in those courses, and what workload you feel you can handle. Sometimes those courses may be full or unavailable during the semester you plan to take them, in which case consider switching with another course from a different semester. 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.

SEMESTER 1	CR	SEMESTER 1 CHECKPOINTS
First Year Writing (FYW 100 or FYW 100P) [minimum grade C, or B for education programs] or First Year Seminar (FYS 100). There are also Honors options.	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. If take the 6-credit may need to drop one other course or get Dean's permission to go over 18 credits.
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 may be taken). If language requirement already satisfied: take a Gen Ed Distribution.	4	Optional Language placement test with Dept. of Modern Languages Second Language options are: American Sign, Arabic, French, German, Italian, Japanese, Portuguese, or Spanish. For other ways to satisfy the second language requirement see Gen Ed website.
Gen Ed Natural Science (NS)*	4	Some of these have completed Mathematics Milestone or appropriate score on the mathematics placement exam as prereq.—see catalog.
Gen Ed Math (M): MATH 120*, MATH 209*, or MATH 240* for Biology; MATH 120*, MATH 209*, or MATH 212* for others.	4	Take Mathematics Placement Exam to determine placement. For information about Math Placement Exam visit the RIC Orientation website. MATH 212 has prereq. of MATH 209 (which has a prereq. of 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; and E-mail Career Development Center careerdevelopment@ric.edu to get your password to take Type Focus, an online career assessment and exploration tool.
# CREDITS EARNED	17	In Sept. make advising appointment with Academic Advising

SEMESTER 2	CR	SEMESTER 2 CHECKPOINTS
FYW 100 or FYW 100P, or FYS 100	4	Completed both FYS and FYW, for FYW, grade C or better
Gen Ed from a different area of Natural Science (N) Or CSCI 157: Introduction to Algorithmic Reasoning	4	
Gen Ed--Second Lang 101 or 102, or other Gen Ed Distribution course	4	Complete Second Lang 101 (if needed)
MATH 209* or MATH 240* if leaning toward Biology MATH 209* or MATH 212* for others, or other needed Gen Ed.	4	Prerequisite for MATH 209 and 240 is MATH 120; MATH 209 is the prerequisite for MATH 212
Requirements and GPA		Aim for minimum of 30 earned credits; minimum 2.0 GPA
# CREDITS EARNED	16	In Feb. make advising appointment with Academic Advising

SEMESTER 3	CR	SEMESTER 3 CHECKPOINTS
Introductory course in possible major	3-4	Check the program's Rhode Map for best choice.
Gen Ed--Second Lang 102, or other Gen Ed course from Social and Behavioral Sciences (SB)	4	Complete Second Lang 102 (if needed)
Gen Ed from Social and Behavioral Sciences (SB), or one from Arts (A); History (H); or Literature (L);	4	
Gen Ed from Advanced Quantitative/Scientific Reasoning (AQSR)*	4	See Catalog for list

Requirements and GPA		Declare your major (Students are required to declare a major before earning 45 credits). Language requirement completed; aim for minimum of 45 earned credits; minimum of 2.0 GPA
# CREDITS EARNED	15-16	In Sept. make appointment with major advisor to discuss your schedule for next semester

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Gen Ed Arts—Visual and Performing (A)

ART 101 Drawing I: General Drawing
 ART 104 Design I: Two-Dimensional Design
 ART 210 Nurturing Artistic and Musical Development
 ART 231W Prehistoric to Renaissance Art (WID)
 ART 232W Renaissance to Contemporary Art (WID)
 COMM 220 Digital Audio Production I
 COMM 241 Introduction to Cinema and Video
 COMM 244 Digital Media Lab
 DANC 215W Contemporary Dance and Culture (WID)
 ENGL 113 Approaches to Drama: Page to Stage
 FILM 116 Approaches to Film and Film Criticism
 MUS 167 Music Cultures of Non-Western Worlds
 MUS 201 Survey of Music
 MUS 203 Elementary Music Theory
 MUS 220 Digital Audio Production I
 MUS 223 American Popular Music
 MUS 225 History of Jazz
 PHIL 230 Aesthetics
 THTR 240 Appreciation and Enjoyment of the Theatre
 THTR 242 Acting for Nonmajors (Su)

Gen Ed. Literature (L)

ENGL 120 Studies in Literature and Identity
 ENGL 121 Studies in Literature and Nation
 ENGL 122 Studies in Literature and the Canon
 ENGL 123 Studies in Literature and Genre
 FREN 115 Literature of the French Speaking World*
 ITAL 115 Literature of Italy*
 PORT 115 Literature of the Portuguese Speaking World*
 SPAN 115 Literature of the Spanish Speaking World*

Gen Ed. Natural Science (NS)

BIOL 100 Fundamental Concepts of Biology *
 BIOL 108 Basic Principles of Biology*
 BIOL 111 Introductory Biology I*
 BIOL 112 Introductory Biology II*
 CHEM 103 General Chemistry I*
 CHEM 105 General, Organic and Biological Chemistry I*
 PSCI 103 Physical Science*
 PSCI 212 Introduction to Geology*
 PSCI 217 Introduction to Oceanography (Sp)*
 PHYS 101 Physics for Science and Mathematics I*
 PHYS 110 Introductory Physics*

Gen Ed. Mathematics (M)

MATH 139 Contemporary Topics in Mathematics
 MATH 177 Quantitative Business Analysis
 *MATH 209 Precalculus Mathematics
 *MATH 212 Calculus I
 *MATH 240 Statistical Mathematics
 Note: Completion of the Mathematics category of General Education does not satisfy the College Mathematics Milestone

Gen Ed. History (H)

HIST 101 Multiple Voices: Africa and the World
 HIST 102 Multiple Voices: Asia and the World
 HIST 103 Multiple Voices: Europe in the World to 1600
 HIST 104 Multiple Voices: Europe in the World Since 1600
 HIST 105 Multiple Voices: Latin America in the World
 HIST 106 Multiple Voices: Muslim People in the World
 HIST 107 Multiple Voices: The United States in the World
 HIST 108 History of Science and Medicine
 HIST 110 Global History to 1000
 HIST 111 Global History since 1000

Gen Ed. Social and Behavioral Sciences (SB)

AFRI 200 Introduction to Africana Studies
 ANTH 101 Introduction to Cultural Anthropology
 ANTH 102 Introduction to Archaeology
 ANTH 104 Introduction to Linguistic Anthropology (F)
 CEP 215 Introduction to Educational Psychology
 COMM 240 Mass Media and Society
 COMM 245 Social Media Communication
 COMM 256 Social Media and Society
 ECON 200 Introduction to Economics
 ECON 235 Economics of Race, Gender, and Ethnicity
 GEND 100W Gender and Society (WID)
 GEOG 100W Introduction to Environmental Studies (WID)
 GEOG 101 Introduction to Geography
 GEOG 200W World Regional Geography
 GEOG 206 Disaster Management
 POL 102 American Government
 POL 103 Global Politics
 POL 104 Introduction to Political Thought
 PSYC 110 Introduction to Psychology
 PSYC 215 Social Psychology
 SWRK 200 Introducing Social Work and Social Justice
 SOC 200 Introduction to Sociology
 SOC 202 The Family
 SOC 204 Urban Sociology
 SOC 207 Crime and Criminal Justice
 SOC 208 Minority Group Relations
 SOC 217 Sociology and Aging

There is also a Gen Ed. Advanced Quantitative/Scientific Reasoning (AQSR) distribution category that has many options: see the catalog.