

THE UNIVERSITY OF RHODE ISLAND
College of Human Science & Services
School of Education

Specialization Requirements Secondary Education - **BIOLOGY**

Required:

Date(s) Completed	Grade	Course Number	Title	Prerequisites	Credits
		BIO 101 & 103	Principles of Biology I and Lab		3 & 1
		BIO 102 & 104	Principles of Biology II and Lab	BIO 101, 103	3 & 1
		CMB 201 OR 211	Introduction to Microbiology	one semester of biology and one year of chemistry	4
		BIO 262	Introduction to Ecology	BIO 101, 102	4
		BIO 352	Genetics (BIO 352 or BCH 352)	BIO 101, 102	4

At least one physiology course from the following:

Date(s) Completed	Grade	Course Number	Title	Prerequisites	Credits
		BIO 201 (Fall only)	General Animal Physiology	two semesters of bio and one semester of chem recommended	3
		BIO 242 & 244	Introductory Human Physiology & Lab	BIO 121	3 & 1
		BIO 341 (Fall only)	Principles of Cell Biology	one semester of bio and one semester of organic chem	3
		BIO 345 (Spring only)	Marine Environment Physiology	two semesters of bio	3
		BIO 352 (Spring only)	Plant Physiology	BIO 102, one semester of chem	3

At least one additional course from each row (Check Biology BA requirements for up-to-date list of these course)

		Choose 1 Plant Bio Course: BIO _____			3-4
		Choose 1 Animal Bio Course: BIO _____			3-4

Total credits in Biological Science required (minimum)

28 - 31

Other science/math requirements:

		CHM 101 & 102 (or CHM 191)	General Chemistry and Lab		3 & 1
		CHM 124 & 126	Introduction to Organic Chemistry and Lab	CHM 101, 102	3 & 1
		Choose 1: GEO 100; GEO 103; AST 108; OCG 110; OCG 301			3
		Choose 1: PHY ____; GWS 220; HIS 116; PHL 215; BIO/GEO 272			3-4
		MTH _____			3

Biology BA	
Plant Biology	Animal Biology
BIO 311; BIO 321; BIO 323; BIO 332; BIO 346; BIO 348; BIO 365 (465); BIO 418	BIO 121; BIO 201; BIO 242; BIO 244; BIO 286; BIO 301; BIO 302; BIO 304; BIO 327; BIO 329; BIO 334; BIO 335; BIO 354; BIO 355; BIO 366; BIO 385; BIO 386; BIO 412; BIO 441; BIO 445; BIO 467