

THE UNIVERSITY OF RHODE ISLAND
ASF College of Education and Professional Studies
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
		MIC 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 222/BIO 223	Introductory Human Anatomy & Physiology	BIO 220/221	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 308, BIO 310, BIO 311, BIO 321, BIO 323, BIO 332, BIO 346, BIO 348, BIO 365, BIO 418	BIO 201, BIO 220, BIO 221, BIO 222, BIO 223, BIO 286, BIO 300, BIO 301, BIO 302, BIO 354, BIO 355, BIO 366, BIO 385, BIO 386, BIO 388, BIO 404, BIO 412, BIO 417, BIO 441, BIO 444, BIO 467