

Biology Education

Degree Type

Bachelor of Arts

Objective:

To prepare students to teach content courses in grades 6-12 and meet the requirements for Idaho certification

Administrators: Biology and Undergraduate Education Department Chairs

Secondary Program Requirements:

Requirements: 39 credits in professional education **and** endorsement specific requirements:

- Biology Endorsement Area - 45 credits
- Biology First Endorsement - 36 credits and selection of a second endorsement
- Biology Second Endorsement - 28 credits and selection of a first endorsement

Professional Education Core Courses: 39 credits

Item #	Title	Credits
EDUC1100	Introduction to Education	1
EDUC2110	Educational Psychology	3
EDUC2250	Cultural Diversity in Education	2
EDUC2550	Innovative Instruction	3
EDUC2960	Introduction to Instructional Design	1
EDUC3090	Pedagogy of Writing in 6-12 Schools	3
EDUC3150	Education of Exceptional Children	3
EDUC3410	English Language Learners and Content Literacy in Secondary Classrooms	3
EDUC3510	Teaching Methods in Secondary Classrooms	3
EDUC3750	Classroom Management in Secondary Schools	2
	Special methods courses in first and second endorsements or endorsement area	
EDUC3920	Foundations of Education	2
EDUC4850	Secondary School Start-Up	1
	EDUC4860 or EDUC4870	11
EDUC4950	Seminar/Capstone	1

Courses must be taken at Northwest Nazarene University: [EDUC1100](#), [EDUC2550](#), [EDUC2960](#), [EDUC3090](#), [EDUC3410](#), [EDUC3510](#), [EDUC3750](#), [EDUC3920](#), [EDUC4850](#), [EDUC4860](#), [EDUC4870](#), [EDUC4950](#), Special methods courses in first and second endorsements or endorsement area.

Biology Endorsement Area

Required courses: 45 credits from the areas of biology and chemistry, including two credits in secondary science methods.

Item #	Title	Credits
BIOL2220	General Biology I	3
BIOL2220L	General Biology I Laboratory	1
BIOL2230	General Biology II	3
BIOL2230L	General Biology II Laboratory	1
BIOL2240	Plant and Animal Ecology	3
BIOL2970	Introduction to Research	1
BIOL3160	Plant Taxonomy	3
BIOL3160L	Plant Taxonomy Laboratory	1
EDUC3640	Teaching Science in Secondary Schools	2
BIOL3720	Genetics	3
BIOL3720L	Genetics Laboratory	1
BIOL3740	Origins	3

Select one of the following zoology sequences:

Item #	Title	Credits
	BIOL3300 and BIOL3300L	4
	BIOL3320 and BIOL3320L	4
	BIOL3330 and BIOL3330L	4

Select one of the following anatomy/physiology sequences:

Item #	Title	Credits
	BIOL2010 and BIOL2010L	4
	BIOL2030 and BIOL2030L	4
	BIOL3360 and BIOL3360L	4
	BIOL3620 and BIOL3620L	4

Additional Requirements:

Item #	Title	Credits
	Eight credits selected from biology numbered 2000 and above	8

Complete one of the following chemistry sequences:

Item #	Title	Credits
	CHEM1210 and CHEM1210L	4
	CHEM2210 and CHEM2210L	4

Biology First Endorsement

Must select a second endorsement. See chart on [Department of Education](#) page.

Requirements: 36 credits from the areas of biology and chemistry, including two credits in secondary science methods.

Item #	Title	Credits
BIOL2220	General Biology I	3
BIOL2220L	General Biology I Laboratory	1
BIOL2230	General Biology II	3
BIOL2230L	General Biology II Laboratory	1
BIOL2240	Plant and Animal Ecology	3
BIOL3160	Plant Taxonomy	3
BIOL3160L	Plant Taxonomy Laboratory	1
EDUC3640	Teaching Science in Secondary Schools	2
BIOL3720	Genetics	3
BIOL3720L	Genetics Laboratory	1
BIOL3740	Origins	3

Select one of the following zoology sequences:

Item #	Title	Credits
	BIOL3300 and BIOL3300L	4
	BIOL3320 and BIOL3320L	4
	BIOL3330 and BIOL3330L	4

Select one of the following anatomy/physiology sequences:

Item #	Title	Credits
	BIOL2010 and BIOL2010L	4
	BIOL2030 and BIOL2030L	4
	BIOL3360 and BIOL3360L	4
	BIOL3620 and BIOL3620L	4

Additional Requirements:

Item #	Title	Credits
	Four credits selected from biology numbered 2000 and above	4

Biology Second Endorsement

Must select a first endorsement. See chart on [Department of Education](#) page.

Requirements: 28 credits from the areas of biology and chemistry, including two credits in secondary science methods.

Item #	Title	Credits
BIOL2220	General Biology I	3
BIOL2220L	General Biology I Laboratory	1
BIOL2230	General Biology II	3
BIOL2230L	General Biology II Laboratory	1
BIOL2240	Plant and Animal Ecology	3
EDUC3640	Teaching Science in Secondary Schools	2
BIOL3720	Genetics	3
BIOL3720L	Genetics Laboratory	1
BIOL3740	Origins	3

Select one of the following organismal sequences:

Item #	Title	Credits
	BIOL3160 and BIOL3160L	4
	BIOL3300 and BIOL3300L	4
	BIOL3320 and BIOL3320L	4
	BIOL3330 and BIOL3330L	4

Select one of the following anatomy/physiology sequences:

Item #	Title	Credits
	BIOL2010 and BIOL2010L	4
	BIOL2030 and BIOL2030L	4
	BIOL3360 and BIOL3360L	4
	BIOL3620 and BIOL3620L	4

Program Certification Requirements:

1. Complete all requirements for a baccalaureate degree.
2. Complete a subject endorsement area of at least 45 semester credit hours as recommended by the subject department and approved by the Department of Education, or complete a first endorsement of at least 30 semester credit hours and a second endorsement of at least 20 semester credit hours as recommended by the subject departments and approved by the Department of Education.
3. Complete requirements of the Educator Preparation Program in effect at the time of admission to Educator Preparation as well as any additional requirements if required by changes in the standards of state regulatory agencies.
4. Complete all required education courses in the secondary program with a grade of B- (2.7) or better.
5. Complete all required content courses with a grade of C (2.0) or better.
6. Maintain a 3.0 or better cumulative GPA.
7. Pass the Praxis content test(s) in endorsement area or first and second endorsements.

Total Credits	75-84
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