

MAJORING IN
NATURAL RESOURCE CONSERVATION
AND FOLLOWING THE SPECIALIZATION IN
BIOLOGY EDUCATION CERTIFICATION

The **Biology Education Certification** track is a customized version of the **Individualized Program** that prepares students to seek formal teacher certification as a secondary biology teacher through the Pro Teach Program. This track is rigorous and requires that students begin completing required courses early in their career.

Pre-requisite Courses – Students **must** complete the following courses prior to beginning Specified, Selected, or Planned courses (see following page). Students who wish to transfer from another institution (community college, jr college, other university, etc.) must: 1) earn a Associate of Arts degree, 2) complete the **bolded** courses shown below, 3) earn a 2.5 GPA or better in the prerequisite courses listed below.

Course Title	Number	Credit	Substitutes	Biology Education Certification
any psychology or sociology course	PSY#### or SYG####	3		
Microeconomics	ECO2023	3		
Survey of Calculus 1	MAC2233	3	MAC2311	X
Introduction to Statistics	STA2023	3		X
Principles of Biology 1 with lab	BSC2010 + BSC2010L	4		X
Principles of Biology 2 with lab	BSC2011 + BSC2011L	4	ZOO2010 + ZOO2010L, BOT2010 + BOT2010L	X
Chemistry 1 with lab	CHM2045 + CHM2045L	4	CHM2047 + CHM2047L	X
Applied Physics with lab	PHY2004 + PHY2004L	4		X
Effective Oral Communication	AEE3033C	3	SPC2600	
any computer software or applications course	CGS####	3		

Course Title	Number	Credits	Term(s) Offered	Biology Education Certification
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Specified Core Courses (17 credits):

Dendrology/Forest Plants	FNR3131C	3	Summer A	X
Natural Resource Communication or Technical Writing	FNR4040C or ENC2210	3	Summer B	
Natural Resource Sampling	FNR3410C	3	Fall	
Natural Resource Policy/Administration	FNR4660C	3	Fall	
Integrated Natural Resource Mgmt	FNR4623C	3	Spring	

Selected Courses (12-14 credits):

Forest Ecology	FOR3153C	3	Fall	X
Wildlife of Florida or Vertebrate Zoology	WIS3402 or ZOO2303C	3 or 4	Fall or Fall	X
Forests, Conservation, and People	FOR3004	3	Spring	
Invertebrate Zoology or Principles of Entomology	ZOO2203C or ENY3005C	4 or 3	Fall or Fall, Spring, Summer A, C	X

Planned Courses (23-26 credits):

Functional Vert Anatomy or Animal Physiology	ZOO3713C or PCB4723C	5 or 4	Fall, Spring, Summer A or Fall, Spring	X
Genetics or Genetics	AGR3303 or PCB3063	4 or 3	Fall, Spring, Summer B or Fall, Spring	X
Basic Biology of Microorganisms with lab	MCB3020 + MCB3020L	5	Fall, Spring, Summer C	X
Chemistry 2 with Lab	CHM2046 + CHM2046L	4	Fall, Spring, Summer C	X
Organic Chemistry with Lab or Organic and Biochemistry	CHM2210 + CHM2210L or BCH3023	4 or 3	Fall, Spring, Summer C	X
Applied Physics 2 with Lab	PHY2005 + PHY2005L	4	Spring, Summer C	X

Other Directed Electives (as needed to reach 60 credits, consult advisor):

Sociological Foundations	EDF3609	3	Fall, Spring Summer A	
The Adolescent*	EDF3135	3	Fall, Spring, Summer A	
Teachers and Learners	EEX3070	3	Fall, Spring	
Integrating Technology*	EME4406	3	Fall, Spring	
Secondary ESOL Strategies*	ESE5331	3	Summer A	
Environmental Ed Materials and Methods	SCE4342	3	Spring	
Environmental Ed Program Development	FOR4640	3	Fall	

*Will count toward Masters.