

Natural Sciences (NS), Bachelor of Science Degree

This program offers the students an opportunity to tailor their education to their specific career goals within the field of science. It provides a basic background in biology and chemistry useful for students considering Pre-Medicine, Pre-Pharmacy or Pre-Dentistry, as well as to pursue a career in secondary education. Florida National University awards a Bachelor of Science in Natural Sciences Education upon graduation from this program.

GRADUATION REQUIREMENTS (A MINIMUM OF 120 CREDITS)

General Education Requirements (42 credits)	Credit Hours
COMMUNICATIONS (9 CREDITS)	
ENC 1101 English Composition I **	3
ENC 1102 English Composition II **	3
SPC 1017 Fundamentals of Oral Communication	3
 HUMANITIES (6 CREDITS)	Credit Hours
	6
 BEHAVIORAL / SOCIAL SCIENCE (6 CREDITS)	Credit Hours
DEP 2004 Human Growth and Development	3
PSY 1012 General Psychology	3
 NATURAL SCIENCE (7 CREDITS includes 1 Lab. hour)	Credit Hours
BSC 1010 General Biology I	3
BSC 1010 L General Biology I Lab	1
MCB 2000C Microbiology	3
 MATHEMATICS (10 CREDITS)	Credit Hours
MAC 1105 College Algebra I **	3
STA 2014 Introduction to Statistics**	4
MAC 1107 College Algebra II	3
 COMPUTERS (4 CREDITS)	Credit Hours
CGS 1030 Introduction to Information Technology	4
 SLS 1501 College Study Skills	0
 CORE REQUIREMENTS: (66 CREDITS)	
 Lower Level Courses (30 Credits)	Credit Hours
CHM 1045 General Chemistry I	3
CHM 1045 L General Chemistry I Lab	1
CHM 1046 General Chemistry II	3
CHM 1046 L General Chemistry II Lab	1
BSC 2011 General Biology II	3
BSC 2011 L General Biology II Lab	1
BSC 1085C Anatomy and Physiology I	4
BSC 1086C Anatomy and Physiology II	4
MAC 1300 Calculus	3
PHY 1020 Fundamentals of Physics	3
PHY 1020 L Fundamentals of Physics Lab	1
ECO 2023 Principles of Microeconomics	3

Upper Level Courses (36 credits)		Credit Hours
BCH 3103	Organic Chemistry I	3
BCH 3033 L	Organic Chemistry Lab	1
BCH 3034	Organic Chemistry II	3
BCH 3034 L	Organic Chemistry II	1
BSH 3023C	Introductory Biochemistry	4
ENC 3311	Advanced Research Writing	3
PCB 3063	Principles of Genetics	3
PHY 3107	General Physics II	3
PHY 3107 L	General Physics II Lab	1
PCB 4023	Molecular and Cell Biology	3
HSC 3572	Nutrition and Health Issues	3
ZOO 4602	Human Embryology	3
HSC 4500	Epidemiology	3
BSC 4910	Capstone Research	2

ELECTIVES (12 Credits)		Credit Hours
BSC 4422	Biotechnology	3
BSC 4022	Biology of Aging	3
HSA 3553	Ethics in Health Care	3
PCB 4028	Biological Basis of Pharmacology	3
HSA 4421	Legal Aspects and Legislation in Healthcare	3
PCB 3043	Ecology	3

Concentration in Education (min.18 crs.)		Credit Hours
CGS 1013	Technology in Education	3
EDF 1005	Introduction to Education	3
EDF 1030	Classroom Management	3
EDF 2085	Teaching Diverse Population	3
EDF 3430	Measurement and Evaluation In Education	3
EEX 2010	Introduction to Exceptional Child Education	3
RED 3393	Content Reading Instruction	3
SCE 3367	Methods of Teaching and Learning Natural Sciences	3
TSL 3080	Foundations of Teaching ESOL In the Schools	3

All Credit Courses from within this division or any other division can be used as Suggested Electives.

NOTE: A total of up to 60 credits may be transferred from the General Education and/or Elective courses taken during a degree program. FNU reserves the right to transfer the appropriate courses.

*General Education Component (see page 201)

**This course has prerequisites; check course descriptions.