

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.)		
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 208)

**This course has prerequisites; check course descriptions.