

Degree Program Options:

By 60 credits, you **must** declare a degree program other than Pre-Health Professions. Although you are able to pick any program you wish from any department at FAU, listed below are the additional courses required for a degree in Biology, Chemistry, Psychobiology or Physics. It is your responsibility to make sure you have a minimum of 120 credits total and a minimum of 45 credits of Upper Division Coursework.

Biology - The *Bachelor of Science (B.S.)* degree is recommended for students planning to be professional biologists in industry or governmental service or for graduate work in the biological sciences (microbiology, biotechnology, ecology, marine biology, etc). It is also appropriate for students planning professional careers in medicine, dentistry, or veterinary medicine. The *Bachelor of Arts (B.A.)* degree is intended to provide maximum flexibility for students pursuing study in interdisciplinary areas such as environmental science or secondary school teaching.

Chemistry – The *Bachelor of Arts (B.A.)* is a liberal arts degree intended for students planning professional careers in chemistry-related professions. These include health professions (medicine, dentistry, pharmacy), environmental consulting, technical sales, and secondary school teaching. This degree is often pursued by students studying in related disciplines (e.g., biological sciences, geology, psychobiology) who wish to obtain a second major or a second degree. The *Bachelor of Science degree (B.S.)* is designed for students preparing for professional careers as chemists in industry, government, or academic research. Students interested in pursuing advanced graduate studies in chemistry, biochemistry, or related fields should also follow one of the B.S. degree programs.

Psychobiology- The Psychobiology major provides undergraduate preparation for students interested in pursuing graduate degrees in psychobiology and behavioral biology or in pursuing professional degrees in medicine or veterinary medicine. The student elects an emphasis in either Ethology/Comparative Psychology or Behavioral Neuroscience.

Physics - The *Bachelor of Arts* program offers a specialization in physics for students desiring a general cultural education. Flexibility in electives also makes it possible to combine a physics major with a concentration in other areas such as acoustics, materials science, oceanography, biology, chemistry, computer science, mathematics, or business. In addition, there are education and preprofessional tracks. The preprofessional track is appropriate for students planning careers in medicine, dentistry, or veterinary medicine

***CHECK THE UNIVERSITY CATALOG FOR UPDATES AND/OR CHANGES

<u>Major</u>	<u>Course</u>	<u>Credits</u>
BS Biology		
Molecular and Cell Biology	PCB 4023	3
Principles of Ecology	PCB 4043	3
Exp. Design & Stat Infer.	PSY 3234	3
Biology Electives	From Tier 2 OR Tier 3	11
Upper Division Electives		2
BA Biology		
Principles of Ecology	PCB 4043	3
Exp. Design & Stat Infer.	PSY 3234	3
Animal or Plant Physiology and Lab		4
Upper Division Electives		12

BS Chemistry – Biochemistry Emphasis		
(Take MAC 2311 instead of MAC 2233)		
Calculus 2	MAC 2312	4
Quantitative Analysis and Lab	CHM 3120 & Lab	4
Physical Chemistry 1 and Lab	CHM 3410 & Lab	5
Physical Chemistry 2 and Lab	CHM 3411 & Lab	5
Chemical Literature	CHM 3060	1
Biochemistry 2	BCH 3034	3
Biochemistry Lab	BCH 3103L	3
Advanced Biochemistry	BCH 4035	3
Bioanalytical Instrument. and lab	CHM 4139 & Lab	4
Directed Independent Study	CHM 4905	3
BS Chemistry		
(Take MAC 2311 instead of MAC 2233)		
Calculus 2	MAC 2312	4
Quantitative Analysis and Lab	CHM 3120 & Lab	4
Physical Chemistry 1 and Lab	CHM 3410 & Lab	5
Physical Chemistry 2 and Lab	CHM 3411 & Lab	5
Chemical Literature	CHM 3060	1
Bioanalytical Instrument. and lab	CHM 4139 & Lab	4
Directed Independent Study	CHM 4905	3
Inorganic Chemistry and Lab	CHM 3609 & Lab	4
ACS certified elective (see list)		3
BA Chemistry		
Quantitative Analysis and Lab	CHM 3120 & Lab	4
Biochemistry Lab	BCH 3103L	3
Introduction to Physical Chemistry and Lab	CHM 3400	3
Inorganic Chemistry and Lab	CHM 3609 & Lab	4
Upper Division Electives		8
BS Psychobiology		
General Psychology (Take as part of CORE)		
Biological Basis of Behavior	PSB 3002	3
Comparative Animal Behavior	CBH 4024	3
Research Methods	PSY 3213	3
Exp. Design & Stat Infer.	PSY 3234	3
Intermediate Statistics Lab	STA 3163L	1
Emphasis Area		12
BA Physics		
(Take MAC 2311 instead of MAC 2233)		
Calculus II and Calculus III	MAC 2312 and 2313	8
Matrix Theory	MAS 2103	3
Introduction to Modern Physics	PHY 3101C	3
Intermediate Mechanics	PHY 3221	4
Electromagnetism I	PHY 3323	4
Quantum Mechanics I	PHY 3101C	4
Physics Elective	From List	3
Upper Division Elective		3