

Major: Physics

College: Charles E. Schmidt College of Science (home page- <http://www.science.fau.edu>)

Degree: Bachelor of Arts

Option/Tracks:

Limited Access Program: No

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(Offers a specialization in Physics to students desiring a general cultural education. May be combined with a concentration in such other areas as Acoustics, Material Science, Oceanography, Biological Sciences, Chemistry, Computer Science, Mathematics, Business)

PROGRAM OF STRUDY AT THE COMMUNITY COLLEGE

Complete the A.A degree at the community college. Some courses required for the major may also meet the General Education Requirements thereby transferring maximum hours to the university.

If you transfer without an A.A. degree and have less than 60 semester hours of acceptable credit, you must meet the university's entering freshman requirements including ACT or SAT test scores and GPA.

Students are encouraged to complete the following required common prerequisites during the program of study at the community college:

(S) General Chemistry I & II w/lab (CHM 1045/L & 1046/L)	8
(S) General Physics with Calculus I & II w/lab (PHY 2048/L & PHY 2049/L)	10
(S) Calculus (MAC 2311 & MAC 2312 & MAC 2313)	12
(S) Single foreign language or proficiency	varies
(S) Differential Equations (MAP 2312)	3

(S)= It is suggested that the student take this course at the community college. If not, the student can complete this course as part of their major program at the university.

ADMISSIONS REQUIREMENTS TO THE UNIVERSITY PROGRAM OF STUDY

Please be aware of the immunization, foreign language, and continuous enrollment policies of the university.

PROGRAM OF STUDY AT THE UNIVERSITY

It is recommended that you take an unofficial transcript and college catalog of all institutions you have attended to your advising sessions. **Please see an academic advisor.**

FAU Program (Semester Hours)

Required courses in major:

All students seeking a major or minor degree in Physics are required to complete the same introductory Physics and Mathematic sequences, as well as an introductory natural-science sequence outside the department.

Introductory Physics Courses:

General Physics I	PHY 2048	4
General Chemistry Lab I	PHY 2048L	1
General Physics II	PHY 2049	4
General Chemistry Lab II	PHY 2049L	1
General Physics III	PHZ 2106	4
	Total:	14

Introductory Mathematics Courses:

Calculus with Analytical Geometry I	MAC 2311	4
Or Calculus for Engineers I	MAC 2253	4
Calculus with Analytical Geometry II	MAC 2312	4
Or Calculus for Engineers II	MAC 2254	4
Calculus with Analytical Geometry III	MAC 2313	4
	Total	14

Courses in Related Sciences, either

General Chemistry I	CHM 2045	3
General Chemistry Lab I	CHM 2045L	1
General Chemistry II	CHM 2046	3
General Chemistry Lab II	CHM 2046L	1
Or		
Biological Principles	BSC 1010	3
Biological Principles Lab I	BSC 1010L	1
Biodiversity	BSC 1011	3
Biodiversity Lab	BSC 1011L	1
	Total	8

Additional Introductory Mathematics Course

Matrix Theory	MAS 2103	3
	Total	3

Intermediate Physics Courses

Survey of Modern Physics	PHY 3101C	5
Classical Mechanics	PHY 3221	4
Electromagnetism I	PHY 2232	4
Quantum Mechanics I	PHY 4604	4
At least three (3) credits from the following list		
Thermodynamics	PHY 3503	4
Statistical Mechanics	PHY 4523	3
Physical Electronics	PHY 3722C	4
	Total	20