

Bachelor of Science in Astrophysics (BIC)

A Suggested Sequence of Required Courses (2018-2019 Catalog)

F r e s h m a n Y e a r			
Fall			Spring
_____	0	Chapel (CHA 1088)	_____
_____	2	BIC 1212 Examined Life I	_____
_____	3	BIC 1314 World Cultures I	_____
_____	4	BIC 1413 Rhetoric I	_____
_____	3	MTH 1321 Calculus I (<i>if eligible</i>)	_____
_____	4	PHY 1420 General Physics I	_____
Total:	17		Total: 17
S o p h o m o r e Y e a r			
Fall			Spring
_____	3	BIC 2330 Social World I	_____
_____	3	BIC 2334 World Cultures III	_____
_____	3	MTH 2321 Calculus III	_____
_____	3	PHY 2350 Modern Physics	_____
_____	4	PHY 2455 Foundations of Astronomy	_____
Total:	16		Total: 16
J u n i o r Y e a r			
Fall			Spring
_____	3-4	Foreign Language 1401/1412 (see reverse)	_____
_____	4	CSI 1430 Intro to Computer Science I w/ Lab	_____
_____	3	MTH 3326 Partial Differential Equations	_____
_____	3	PHY 3320 Intermediate Classical Mechanics I	_____
_____	3	PHY 3372 Intro Quantum Mechanics I	_____
Total:	16-17		Total: 16-17
S e n i o r Y e a r			
Fall			Spring
_____	3	Foreign Language 2310 (see reverse)	_____
_____	1	PHY 4190 Dissemination of Research	_____
_____	3	PHY 4340 Statistical & Thermal Phy.	_____
_____	3	PHY 4350 Intro. Stellar Structure	_____
_____	0	PHY 4001 Exit Exam	_____
_____	3	MTH/Science (see below)	_____
_____	3	BIC 3358 Biblical Heritage/Ethics	_____
Total:	16		Total: 16

*All students must graduate with a minimum of 124 hours,
36 of which must be at the 3000/4000 level.*

Notes about major requirements:

Note: Any student pursuing a major or secondary major within the Department of Physics (BA or BS, all concentrations) must complete PHY 1420 with a grade of B- or better in order to enroll in PHY 1430. A student who fails to make a B- or better in the course, yet wishes to continue as a major within the Department of Physics must petition to repeat PHY 1420. Any student pursuing a major or secondary major within the Department of Physics (BA or BS, all concentrations) must complete PHY 1430 with a grade of C or better in order to enroll in PHY 2350. A student who fails to make a C or better in the course (where a C- is insufficient) yet wishes to continue in the major within the Department of Physics must petition to repeat PHY 1430.

- MTH/Science requirement - Complete 9 hours from: BIO, CHE, CSI, GEO, MTH or STA. Some of these hours may need to be advanced level courses to fulfill the 3000-4000 level course requirement.
- Prior to taking PHY 4190, students are expected to make substantial progress on a research project. Research typically begins when PHY 2190 is taken in the sophomore year. Students involved in research during their junior year should enroll in PHY 3V95 (Undergraduate Research). In addition, students are strongly encouraged to participate in summer research opportunities.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.
- For more information, see the undergraduate catalog.