

Bachelor of Arts in Physics (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)	_____ 0 Chapel (CHA 1088)
_____	2	BIC 1212 Examined Life I	_____ 3 CHE (1301 recommended)
_____	3	BIC 1314 World Cultures I	_____ 3 BIC 1324 World Cultures II
_____	4	BIC 1413 Rhetoric I	_____ 3 BIC 1323 Rhetoric II
_____	3	MTH 1321 (if eligible) Calculus I	_____ 3 MTH 1322 Calculus II
_____	4	PHY 1420 (petition for BIC 2437)	_____ 4 PHY 1430 Physics II (Cal. Based)
Total:	16		Total: 16
S o p h o m o r e Y e a r			
	Fall		Spring
_____	3	BIC 2330 Social World I	_____ 3 BIC 2340 Social World II
_____	3	BIC 2334 World Cultures III	_____ 3 BIC 2344 World Cultures IV
_____	3	MTH 2311 Linear Algebra	_____ 3 MTH 3325 Ordinary Diff. Equations
_____	3	MTH 2321 Calculus III	_____ 3 PHY 2360 Math. And Comp. Physics
_____	1	PHY 2135 Basic Electronic Lab	_____ 4 CSI 1430 Intr. Comp Sci. w/ Lab
_____	3	PHY 2350 Modern Physics	
Total:	16		Total: 16
J u n i o r Y e a r			
	Fall		Spring
_____	1	Lifetime Fitness	_____ 3 BIC 3358 Biblical Heritage/Ethics
_____	3-4	Foreign Language 1401/12 (see reverse)	_____ 3-4 Foreign Language - 1402/2310 (see reverse)
_____	3	MTH 3326 Partial Diff. Equations	_____ 4 Lab Science - (Area 1; see below)
_____	1	PHY 3175 Int. Physics Lab I	_____ 1 PHY 3176 Intermed. Physics Lab II
_____	3	PHY 3320 Int. Classical Mechanics	_____ 3 PHY 3330 Int. Electricity and Mag.
_____	3	PHY 3372 Intro. To Quantum Mech. I	_____ 3 PHY 3000-4000 level (see below)
Total:	14-15		Total: 17-18
S e n i o r Y e a r			
	Fall		Spring
_____	3	BIC 4374 World Cultures V	_____ 3 BIC 4389 Capstone
_____	3	PHY 3000-4000 level (see below)	_____ 1 Lifetime Fitness
_____	0	PHY 4001 (see below) Exit Exam	_____ 3 Advanced Elective
_____	3	Foreign Language - 2310 (see reverse)	_____ 3 Foreign Language - 2320 (see reverse)
_____	3	Advanced Elective	_____ 3 Advanced Elective
_____	3	Elective* (variable depending on hours)	_____ 3 Elective* (variable depending on hours)
Total:	15		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.

- Choose your 6 hours of 3000-4000 level courses from these options: 3373, 4322, 4340, 4360, 4372, 4373, 4374.
- Lab Science options: BIO 1305/1105, 1306/1106; NSC 1306/1106; BIO 1401; GEO 1401, 1402, 1403, 1405, 1406, 1408
- Many required courses are offered only one time each year in either the fall semester or the spring semester.
- 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.