

## Bachelor of Science in Physics – Computational Physics Concentration

*A Suggested Sequence of Required Courses (2007-2008 Catalog)*

### F r e s h m a n Y e a r

Fall	Spring
_____ 0 Chapel (CHA 1088)	_____ 0 Chapel (CHA 1088)
_____ 3 MTH 1321 ( <i>if eligible</i> )	_____ 3 ENG 1302 or FAS 1302
_____ 3-4 Foreign Language 1401/1412 (see reverse)	_____ 3 MTH 1322
_____ 4 CSI 1430	_____ 3-4 Foreign Language 1402/2310 (see reverse)
_____ 4 <b>PHY 1420</b>	_____ 4 CSI 1440
	_____ 4 <b>PHY 1430</b>
<b>Total:</b> 14-15	<b>Total:</b> 17-18

### S o p h o m o r e Y e a r

Fall	Spring
_____ 3 Foreign Language 2310 (see reverse)	_____ 3 Foreign Language 2320 (see reverse)
_____ 1 Human Performance	_____ 1 Human Performance
_____ 3 MTH 2321	_____ 3 MTH 2311
_____ 3 CSI 2334	_____ 3 MTH 3325
_____ 3 CSI 2350	_____ 1 <b>PHY 2135</b>
_____ 3 <b>PHY 2350</b>	_____ 3 <b>PHY 2360</b>
<b>Total:</b> 16	<b>Total:</b> 14

### J u n i o r Y e a r

Fall	Spring
_____ 3 REL 1310	_____ 3 ENG 3300
_____ 1 Human Performance	_____ 3 REL 1350
_____ 3 MTH 3326	_____ 1 Human Performance
_____ 3 CSI 3324	_____ 3 <b>PHY or CSI (3000 or 4000 level)</b>
_____ 1 <b>PHY 3175</b>	_____ 3 <b>PHY 3330</b>
_____ 3 <b>PHY 3320</b>	_____ 3 <b>PHY 3373</b>
_____ 3 <b>PHY 3372</b>	
<b>Total:</b> 17	<b>Total:</b> 16

### S e n i o r Y e a r

Fall	Spring
_____ 1 <b>PHY 4195</b>	_____ 1 <b>PHY 4196</b>
_____ 3 <b>PHY 4340</b>	_____ 0 <b>PHY 4001</b>
_____ 3 <b>PHY or CSI (3000 or 4000 level)</b>	_____ 3 <b>PHY 4360</b>
_____ 3 ENG 2301	_____ 3 <b>PHY or CSI (3000 or 4000 level)</b>
_____ 3 History/Social Science (see reverse)	_____ 3 ENG 2304/2306 or GTX
_____ 3 PSC 2302	_____ 3 History/Social Science (see reverse)
	_____ 3 Elective
<b>Total:</b> 16	<b>Total:</b> 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:**

- It is recommended that students take ENG 3300 their junior year rather than ENG 1304. Students may also take ENG 1118, 1128, and 1138 instead of ENG 1304.
- To satisfy the requirements of PHY 4001, students are urged to take the GRE Subject Test in Physics in the fall of their senior year.
- For more information, see page 101 in the undergraduate catalog.

**Please see reverse side for important information on general requirements.**

**Notes about General Requirements:**

- Course selection is subject to availability within each semester.
- Please keep in mind that this is only a suggested sequence. Actual sequence will vary according to possible second major, minor, other program of study (including pre-health) and individual circumstances (ex., transfer credit, dual credit, and credit by exam).
- In order to complete your degree, you must fulfill all requirements in your major and general requirements for the Bachelor of Science.
- To complete a double major, you may not count any courses toward both majors.
- For more specific information on general requirements, see undergraduate catalog pages 62-65.
- Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.

**History/Social Science (choose 2 courses from the following areas - 6 hours):**

- Anthropology, Economics, History, Honors, Philosophy, Political Science, Psychology, Sociology, Geog 1300, FAS 1303, 1304 or 1305, or 3 courses from FAS 1115, 1125, 1135.
- Check your major to determine if special courses are needed.

**Foreign Language:**

- **Option A:** One modern language through 2320 level:  
Arabic, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish, Swahili, Thai
  - **Option B:** One classical language through 2320 level or two classical through 1302 level:  
Latin, Greek, Hebrew (If available, Akkadian, Aramaic, Syriac, and/or Ugaritic may be used)
- \*Chemistry majors must take a modern foreign language; German or Russian are strongly recommended.

**Math & Science:** You must complete a minimum of 34 hours of math and science courses. See page 65 of the undergraduate catalog for a more detailed explanation.

**Fine Arts:** None required for this degree.