

**Course Sequence for B.S. in Physics - Option 2 (Astrophysics)**

The following is a sequence of courses that will allow students to finish the program in 4 years.

**Semester 1 – Fall**

&MATH 150A	(5)	_____
%ENGL 155	(3)	_____
^CHEM 101/L	(5)	_____
GE	(3)	_____

**Semester 2 – Spring**

MATH 150B	(5)	_____
^PHYS 220AL	(1)	_____
^PHYS 225	(4)	_____
GE	(6)	_____

**Semester 3 – Fall**

MATH 250	(3)	_____
PHYS 220BL	(1)	_____
PHYS 226	(4)	_____
*COMP 110/L	(4)	_____
GE	(3)	_____

**Semester 4 – Spring**

MATH 280	(3)	_____
PHYS 227/L	(5)	_____
MATH 262	(3)	_____
GE	(3)	_____

**Semester 5 – Fall**

PHYS 301	(3)	_____
PHYS 311	(3)	_____
PHYS 365	(2)	_____
GE	(6)	_____

**Semester 6 – Spring**

PHYS 366	(2)	_____
PHYS 375	(3)	_____
PHYS 402	(3)	_____
PHYS 410	(3)	_____
GE	(3)	_____

**Semester 7 – Fall**

ASTR 301	(3)	_____
PHYS 431	(4)	_____
PHYS 465	(2)	_____
PHYS XXX	(3)	_____
ADDITIONAL	(4)	_____

**Semester 8 – Spring**

ASTR 401	(3)	_____
PHYS 466	(2)	_____
PHYS 493	(1)	_____
PHYS 495	(3)	_____
TITLE V	(6)	_____

&MATH 150A will satisfy the Basic Skills Mathematics section of GE.

%ENGL 155 (or equivalent) will satisfy the Basic Skills Analytical Reading & Expository Writing section of GE.

^CHEM 101/L, PHYS 225 and PHYS 220AL will satisfy the Natural Sciences section of GE.

\*COMP 106/L (or COMP 110/L) is the recommended course to satisfy the Lifelong Learning section of GE.

PHYS XXX represents electives. These include PHYS 420, 421, 470, 480, 489, 490, 495, 496 and 499. Majors may take appropriate courses from other departments with permission of undergraduate advisor in place of these electives.

The above represents 120 units of course work that will satisfy the units requirement for the B.S.

### Notes

The following sections of GE are already met by the courses listed on the previous page.

#### Basic Skills:

Analytical Reading & Expository Writing	3 units	met with CHS/ENGL/PAS 155
Mathematics	5 units	met with MATH 150A

#### Subject Explorations:

Natural Sciences with corresponding labs	10 units	met with CHEM 101/L, PHYS 220L and PHYS 225
Lifelong Learning	4 units	met with COMP 110/L

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The sections of GE that are not satisfied by the courses listed on the previous page are:

#### Basic Skills:

Critical Thinking	3 units
Oral Communication	3 units

#### Subject Explorations:

Arts and Humanities	6 units
Social Sciences	6 units
Comparative Cultural Studies ...	6 units

#### Title V:

U.S. History and Local Government	6 units
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Total	30 units
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Please select GE courses in the sections above. Note that you have to satisfy 9 units of upper division GE from at least two sections **to be taken only when you have junior standing (60 units) or will acquire junior standing at the end of the semester the upper division GE courses are taken.** These do not have to be additional units if you take a 300 level GE course (while with junior standing) that will satisfy one of the sections above. For example, taking either AAS 321, ANTH 326 or CHS 380 satisfies **both** the Arts and Humanities section and 3 units of upper division GE. (These are only examples and should not be construed as recommended courses. You should choose GE courses according to your own interests.)

Note that at least one of the GE courses in the Basic Subjects (**satisfied by ENGL 155, or equivalent**), and one of the GE courses in the Subject Exploration, must include the Information Competence component (**see list of courses in catalog**).