

## Program Completion Plan (Eight Semester Plan)

**Department:** \_\_\_\_\_ Physics and Astronomy \_\_\_\_\_ **Degree:** \_\_\_\_\_ BS \_\_\_\_\_  
**Program/Major:** \_\_\_\_\_ Physics \_\_\_\_\_  
**Track/Emphasis:** \_\_\_\_\_ Physical Science \_\_\_\_\_  
**Does this program require a minor? (Yes/No)** \_\_\_\_\_ Yes \_\_\_\_\_

**Important program information in the online *Undergraduate Bulletin*:**

**UCA Core Requirements:** <http://uca.edu/ubulletin2013/general-policies-information/uca-core/>  
**Degree Requirements:** <http://uca.edu/ubulletin2013/general-policies-information/degree-requirements/>  
**Program Description:** <http://uca.edu/ubulletin2013/colleges-departments-programs/college-of-natural-sciences-and-mathematics/department-of-physics-and-astronomy/>  
**Course Descriptions:** <http://uca.edu/ubulletin2013/courses/>

**This degree program requires a total of 120 semester credit hours, including at least 40 upper-division credit hours.**

Comparable courses in the Arkansas Course Transfer System (ACTS) are cross-referenced in the ACTS column of each semester block below; a [core link](http://uca.edu/go/ubulletin-ldcore/) (<http://uca.edu/go/ubulletin-ldcore/>) takes the user to the *Undergraduate Bulletin's* UCA Core page, where UCA Core options and ACTS course numbers are listed in full; an [acts link](#) takes the user to the *Undergraduate Bulletin's* ACTS page (<http://uca.edu/go/acts>) for additional information and a full UCA-ACTS crosswalk.

### Year 1

#### Fall – Semester 1 (credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
PHYS or PHYS	1441 or 1410	University Physics 1 or College Physics 1	4	<a href="#">PHYS2034</a> <a href="#">PHYS2014</a>
MATH	1496	Calculus I	4	<a href="#">MATH2405</a>
WRTG or HONC	1310 or 1310	Introduction to College Writing or Honors Core I	3	<a href="#">ENGL1013</a>
BIOL	1400	Biology for General Education	4	<a href="#">BIOL1004</a>

#### Spring – Semester 2 (credit hours: 15)

SUBJ	NUM	TITLE	SCH	ACTS
PHYS or PHYS	1442 or 1420	University Physics 2 or College Physics 2	4	<a href="#">PHYS2044</a> <a href="#">PHYS2024</a>
MATH	1497	Calculus II	4	<a href="#">MATH2505</a>
WRTG or HONC	1320 or 1320	Academic Writing and Research or Honors Core II	3	<a href="#">ENGL1023</a>
		Lower Division UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>
		General Elective Course	1	

**Year 2****Fall – Semester 3 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
PHYS	2443	University Physics 3	4	
MATH	2471	Calculus III	4	<a href="#">MATH2603</a>
CHEM	1450	College Chemistry I	4	<a href="#">CHEM1414</a>
		Lower Division UCA Core Course <small>Error! Bookmark not defined.</small>	3	<a href="#">core link</a>

**Spring – Semester 4 (credit hours: 16)**

SUBJ	NUM	TITLE	SCH	ACTS
CHEM	1451	College Chemistry II	4	<a href="#">CHEM1424</a>
		Lower Division UCA Core Course <small>Error! Bookmark not defined.</small>	3	<a href="#">core link</a>
		Lower Division UCA Core Course <small>Error! Bookmark not defined.</small>	3	<a href="#">core link</a>
		Lower Division UCA Core Course <small>Error! Bookmark not defined.</small>	3	<a href="#">core link</a>
		Lower Division UCA Core Course <small>Error! Bookmark not defined.</small>	3	<a href="#">core link</a>

**Year 3****Fall – Semester 5 (credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
PHYS	3110	Junior Laboratory 1	1	
CHEM	2401	Organic Chemistry I	4	
PHYS		Physics Elective <sup>2,3</sup>	3	
		Minor Elective <sup>4</sup>	3	
		Lower Division UCA Core Course <sup>1</sup>	3	<a href="#">core link</a>
		General Elective Course <sup>3</sup>	1	

**Spring – Semester 6 (credit hours: 16)**

SUBJ	NUM	TITLE	SCH	ACTS
PHYS	3120	Junior Laboratory 2	1	
PHYS		Physics Elective <sup>2,3</sup>	3	
CHEM		Chemistry Elective <sup>2,3</sup>	3	
		General Elective Course <sup>3</sup>	3	
		Minor Elective <sup>3,4</sup>	3	
		Minor Elective <sup>3,4</sup>	3	

**Year 4****Fall – Semester 7 (Credit hours: 15)**

SUBJ	NUM	TITLE	SCH	ACTS
PHYS		Physics Elective <sup>2,3</sup>	3	
		Minor Elective <sup>3,4</sup>	3	
		Minor Elective <sup>3,4</sup>	3	
		General Elective Course <sup>3</sup>	3	
		General Elective Course <sup>3</sup>	3	

**Spring – Semester 8 (Credit hours: 13)**

SUBJ	NUM	TITLE	SCH	ACTS
PHYS	4110	Senior Laboratory	1	
		Minor Elective <sup>3,4</sup>	3	
		Minor Elective <sup>3,4</sup>	3	
		General Elective Course	3	
		General Elective Course <sup>3</sup>	3	

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 SIGNED – DEPARTMENT CHAIR

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 DATE

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 SIGNED – COLLEGE DEAN

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 DATE

**To be completed by the advisor when an Eight-Semester Plan is accepted by the student:**

**If applicable, has student selected a minor? Type "x" as appropriate. \_\_\_\_\_ No \_\_\_\_\_ Yes**

**If "yes," specify: \_\_\_\_\_**

### Notes

<sup>1</sup> See appropriate choices, alternatives, or substitutions under "UCA Core" in the *Undergraduate Bulletin*. During the first year, a student must complete a UCA Core course designated as a First-Year Seminar (FYS) in Critical Inquiry, Diversity, or Responsible Living. The student will also need to complete major, minor, or general elective courses designated as fulfilling the upper-division and capstone requirements of the UCA Core.

<sup>2</sup> PHYS and CHEM elective courses must be approved by the Chair of the Department of Physics and Astronomy.

<sup>3</sup> Major Elective, Minor Elective, and General Elective courses must be selected so that a minimum of 40 hours of credit is earned at the 3000 level of above.

<sup>4</sup> This Program Completion Plan includes 21 credit hours in the Minor field of study. Minor requirements range from 15 to 31 credit hours. Depending on the minor selected, the student will need to adjust the number of general elective and minor elective credit hours in this PCP.