

## Physics Core and Major Requirements (Bachelor of Arts) – Catalog Year 2004

Hrs	Course Requirements	Hrs	Course Requirements	Hrs	Course Requirements
6	Freshmen Composition: <input type="checkbox"/> ENGL 1013 and <input type="checkbox"/> ENGL 1023	3	Philosophy: <input type="checkbox"/> PHIL 2003 or <input type="checkbox"/> PHIL 2103	6	Western Civilization: <input type="checkbox"/> WCIV 1003 and <input type="checkbox"/> WCIV 1013
0-3	Advanced Composition: <input type="checkbox"/> ENGL 2003 or <input type="checkbox"/> ENGL 2013 <i>Exemption may be granted by:</i> 1) grade of at least "B" in ENGL 1013 and "A" in ENGL 1023 taken at the U of A, or 2) passing exemption exam	3-4	Mathematics: <input type="checkbox"/> MATH 2043 ( <i>Math 1203 or equiv.</i> ) or <input type="checkbox"/> MATH 2053 ( <i>Math 1203 or equiv.</i> ) or <input type="checkbox"/> MATH 2554 ( <i>Math 1203 &amp; 1213 or Math 1285 or equivalent</i> )	12	Natural Sciences: At least 4 hours must be chosen from biological and 4 hours from physical.  <u>Biological Sciences</u> <input type="checkbox"/> ANTH 1013/1011L <input type="checkbox"/> BIOL 1543/1541 L <input type="checkbox"/> BIOL 1613/1611L** <input type="checkbox"/> BIOL 2013/2011L** <input type="checkbox"/> BIOL 1603/1601L**  <u>Physical Sciences</u> <input type="checkbox"/> ASTR 2003/2001L <input type="checkbox"/> CHEM 1053/1051L <input type="checkbox"/> CHEM 1103/1101L** <input type="checkbox"/> CHEM 1123/1121L** <input type="checkbox"/> GEOL 1113/111L <input type="checkbox"/> GEOL 1133/1131L <input type="checkbox"/> PHYS 1023/1021L <input type="checkbox"/> PHYS 2013/2011L** <input type="checkbox"/> PHYS 2033/2031L** <input type="checkbox"/> PHYS 2054/2050** <input type="checkbox"/> PHYS 2074/2070**
6	Fine Arts: <input type="checkbox"/> ARCH 1003 or LARC 1003 <input type="checkbox"/> ARHS 1003 or ARTS 1003 <input type="checkbox"/> COMM 1003 <input type="checkbox"/> DANC 1003 <input type="checkbox"/> DRAM 1003 <input type="checkbox"/> HUMN 1003 <input type="checkbox"/> MLIT 1003	6	Social Science: <input type="checkbox"/> ANTH 1023 <input type="checkbox"/> ECON 2013 ( <i>Math 1203</i> ) or ECON 2143 <input type="checkbox"/> GEOG 2103 or GEOG 2203 <input type="checkbox"/> PLSC 2013 <input type="checkbox"/> PSYC 2003 <input type="checkbox"/> SOCI 2013 or SOCI 2033		
3	Communication: <input type="checkbox"/> COMM 1313	3	U.S. History/American Government: <input type="checkbox"/> HIST 2003 or <input type="checkbox"/> HIST 2013 or <input type="checkbox"/> PLSC 2003		
6	World Literature: <input type="checkbox"/> WLIT 1113 and <input type="checkbox"/> WLIT 1123 ( <i>WLIT 1113</i> ), a foreign language literature course, any other WLIT course, CLST 1003, or CLST 1013	0-12	Foreign Language <sup>1</sup> : <input type="checkbox"/> Completion of the Intermediate II level (2013) in a single language.  **See advisor for placement**		

*Course prerequisites in parentheses*

*\*\*See Catalog of Studies and/or advisor for prerequisite information.*

### Major Requirements for a Bachelor of Arts Degree in Physics:

- ❖ Students must present 24 semester hours in Physics or Astronomy including:
  - PHYS 2013/2011L College Physics I/Lab (*MATH 1203 & 1213*)
  - PHYS 2033/2031L College Physics II/Lab (*PHYS 2013*)
  - PHYS 3603/3601L Introduction to Modern Physics/Lab (*PHYS 2033 & MATH 2043 OR 2554*)
  - PHYS 4991 Physics Senior Seminar **\*\* (must be taken in the year prior to graduation)**
  
- ❖ Eleven semester hours chosen from:
  - PHYS 220V Introduction to Electronics (*Pre or Corequisite: MATH 1203 or 1285*) **AND/OR**
  - PHYS \_\_\_\_ (any other PHYS or ASTR classes numbered 3000 or above)
  
- ❖ Students must also present:
  - MATH 1285 Precalculus  
OR  MATH 1203 College Algebra **AND**  MATH 1213 Trigonometry  
**AND**  MATH 2554 Calculus I (*MATH 1203 & 1213; or MATH 1285*)  
OR  MATH 2043 Survey of Calculus (*MATH 1203*)
  
- ❖ Two additional courses at the 2000 level or above in Mathematics, Statistics, or ISYS 2013 (*MATH 2053, Pre or Co requisite: MATH 2043*)
  - \_\_\_\_\_
  - \_\_\_\_\_
  
- ❖ Additional 9 semester hours at the 3000 level or above from a single special emphasis area chosen with advisor approval.
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_

<sup>1</sup>Prerequisite determined by number of high school language units completed and placement score. Fulbright College students receive no credit for 1003 unless they have satisfied the College entrance requirement (2 years of a high school foreign language with another foreign language).

**8 Hour Rule:** Up to 8 hours may be applied towards a degree from the following departments:  
                   AEED    AGAD    EXED    HLSC    MILS    PEAC    RECR    VOED  
                   AERO    DEAC    ETEC    ITED    OFSM    PHED    UNIV

No more than four of the eight hours may be applied from AERO, MILS, PEAC, or DEAC, unless a student completes and ROTC program and receives a commission.

**40 Hour Rule:** You must present for degree credit at least 40 hours of work in courses numbered 3000 and above. Included in this 40 hours can be courses numbered 2000 if each has a specific course designated as a prerequisite. The following courses are excluded: MILS 2001 AND 2011, AERO 2001 and 2011, and foreign language courses numbered 2003 and 2013. The courses presented to meet this requirement may be from other colleges or universities; however, don't forget the college residency requirement, specifically the 24-Hour Rule.

**24 Hour Rule:** You must complete at least 24 hours of 3000 and 4000 level courses from departments within Fulbright College.  
**You must have a minimum cumulative GPA of 2.00 to graduate from Fulbright College.**

A minimum of 124 is required for graduation. For more information on graduation requirements, including elective, advanced and upper level credit requirements, students should consult their advisor and the Catalog of Studies. See appropriate Catalog of Studies for requirements from previous years.

- ❖ For more information on Physics, contact the Department of Physics:
  - Physics Building 226
  - 479-575-2506
  - [www.uark.edu/depts/physics/](http://www.uark.edu/depts/physics/)

*\*\*This form is **NOT** a substitute for the Catalog of Studies. Students should verify this information with their advisor, their degree audit, and the Catalog of Studies.\*\**