### Fulbright College Eight Semester Degree Completion Program

**Bachelor of Science in Physics | Electronics Concentration 2016**

The following 4 semesters can be transferred to the UA

<table>
<thead>
<tr>
<th>Fall Semester 1</th>
<th>Hours</th>
<th>Spring Semester 1</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 1013 Composition I</td>
<td>3</td>
<td>ENGL 1023 Composition II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1203* College Algebra</td>
<td>3</td>
<td>MATH 1213* Trigonometry or MATH 1284* Precalculus</td>
<td>3-4</td>
</tr>
<tr>
<td>General Elective</td>
<td>1</td>
<td>CORE: Humanities</td>
<td>3</td>
</tr>
<tr>
<td>CORE: Fine Art</td>
<td>3</td>
<td>CHEM 1123/1121L University Chemistry II/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1103/1101L University Chemistry I/Lab</td>
<td>4</td>
<td>CORE: Social Science</td>
<td>3</td>
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</table>

Total Hours: 14

<table>
<thead>
<tr>
<th>Fall Semester 2</th>
<th>Hours</th>
<th>Spring Semester 2</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Elective</td>
<td>1</td>
<td>†PHYS 2074 University Physics II</td>
<td>4</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>† MATH 2564c Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>CORE: Social Science</td>
<td>3</td>
<td>CORE: US History or American National Government</td>
<td>3</td>
</tr>
<tr>
<td>†PHYS 2054 University Physics I</td>
<td>4</td>
<td>CORE: Social Science</td>
<td>3</td>
</tr>
<tr>
<td>† MATH 2554c Calculus I</td>
<td>4</td>
<td>General Elective</td>
<td>1</td>
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Total Hours: 15

<table>
<thead>
<tr>
<th>Fall Semester 3</th>
<th>Hours</th>
<th>Spring Semester 3</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>††ASTR/PHYS 3000+ elective</td>
<td>3</td>
<td>††ASTR/PHYS 3000+ elective</td>
<td>3</td>
</tr>
<tr>
<td>† MATH 2574 Calculus III</td>
<td>4</td>
<td>††PHYS 3213 Electronics in Experimental Physics</td>
<td>3</td>
</tr>
<tr>
<td>††MATH 2584 Elementary Differential Equations</td>
<td>4</td>
<td>††PHYS 3414 Electromagnetic Theory</td>
<td>4</td>
</tr>
<tr>
<td>†PHYS 2094 University Physics III</td>
<td>4</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
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</table>

Total Hours: 15

<table>
<thead>
<tr>
<th>Fall Semester 4</th>
<th>Hours</th>
<th>Spring Semester 4</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>††ASTR/PHYS 3000+ elective</td>
<td>3</td>
<td>††PHYS 4991 Physics Senior Seminar</td>
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<tr>
<td>††ASTR/PHYS 3000+ elective</td>
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<td>††PHYS 4333 Thermal Physics</td>
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<tr>
<td>††PHYS 4073 Modern Physics</td>
<td>3</td>
<td>††PHYS 4713 Solid State Physics</td>
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<tr>
<td>††PHYS 4073 Introduction to Quantum Mechanics</td>
<td>3</td>
<td>†Advanced Elective</td>
<td>3</td>
</tr>
<tr>
<td>† MATH 4423 Introduction to Partial Differential Equations</td>
<td>3</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td>General Elective</td>
<td>0-1</td>
</tr>
</tbody>
</table>

Total Hours: 15

The following 4 semesters should be taken at the UA

<table>
<thead>
<tr>
<th>Fall Semester 3</th>
<th>Hours</th>
<th>Spring Semester 3</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>††ASTR/PHYS 3000+ elective</td>
<td>3</td>
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<tr>
<td>†PHYS 2094 University Physics III</td>
<td>4</td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total Hours: 16

This is not a substitution for the Catalog of Studies. Core areas must be completed as outlined in Catalog of Studies. To check transfer equivalency, refer to the Registrar's Office Transfer Equivalency Guide. More information can be found on the Fulbright Transfer Advising Center website. Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area.

*Placement in the Math sequence is based on competency demonstrated by ACT/SAT exams or by taking the MPT at the UA. Students who can begin the Math sequence at higher levels can replace the pre-requisite MATH sequence courses with General Electives or other CORE courses.*

† Meets 30/40-hour advanced credit hour requirements. See Graduation Requirements in the Catalog of Studies. ‡ Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 30/40-hour rules. See Degree Completion Program Policy in the Catalog of Studies.
Students transferring less than 24 hours are required to take:  
- **UNIV 1001**: University Perspectives (freshmen must complete during first year)

**SOCIAL SCIENCES (3 courses from at least 2 fields • 9 hours)**
- **AGEC 1103** Principles of Agricultural Microeconomics
- **AGEC 2103** Principles of Agricultural Macroeconomics
- **ANTH 1023** Intro to Cultural Anthropology
- **COMM 1023** Communication in a Diverse World
- **ECON 2013** Principles of Microeconomics
- **ECON 2023** Principles of Macroeconomics
- **ECON 2143** Basic Economics: Theory and Practice
- **GEOS 1123** Human Geography
- **HUM 1114H** Honors Birth of Modern Culture, 1600-1900
- **HUM 1124H** Honors Eq. of Cultures, 500-1900

**ENGLISH COMPOSITION (2 courses • 6 hours)**
- **ENGL 1013** Composition I
- **ENGL 1023** Composition II

**FINE ARTS (1 course • 3 hours)**
- **ARTH 1003** Architecture Lecture
- **ARHS 1003** Art Lecture
- **COMM 1003** Film Lecture
- **DANC 1003** Movement and Dance
- **ENGL 2023** Creative Writing I
- **HUM 2114H** Honors Birth of Modern Culture, 1600-1900
- **LARC 1003** The American Landscape
- **MLIT 1003** Music Lecture
- **MLIT 1013** Music Lecture for Musicians
- **THTR 1003** Theatre Appreciation
- **THTR 1013** Musical Theatre Appreciation

**HUMANITIES (1 course • 3 hours)**
- **AAST 2023** The African American Experience
- **ARCH 1013** Diversity and Design
- **CLST 1003** Intro to Classical Studies: Greece
- **CLST 1013** Intro to Classical Studies: Rome
- **COMM 1233** Media, Community, and Citizenship
- **ENGL 1213** Intro to Literature
- **GNST 2003** Intro to Gender Studies
- **HUM 1124H** Honors Eq. of Cultures, 500-1900
- **HUM 2124H** Honors Birth of Modern Culture, 1600-1900
- **LARC 1003** The American Landscape
- **MLIT 1113** World Literature I
- **MLIT 1123** World Literature II
- **MLIT 1113** World Literature I
- **MLIT 1123** World Literature II
- **World language at Intermediate I (2003) level**

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**MATHMATICS (1 course • 3-4 hours)**
- **MATH 1203** College Algebra
- **MATH 1204** College Algebra with Review
- **MATH 1313** Quantitative Reasoning, or any higher level math course, including STAT 2303.

**NATURAL SCIENCES (2 courses w/ matching labs • 8 hours)**
- **ASTR 2003/2001L** Survey of the Universe
- **BIOL 1003/1001L** Environmental Science
- **BIOL 1524** Biological Principles
- **BIOL 1543/1541L** Principles of Biology
- **BIOL 1584** Biology for Majors
- **BIOL 1603/1601L** Principles of Zoology
- **BIOL 1613/1611L** Plant Biology
- **BIOL 2213/2211L** Human Physiology
- **CHEM 1103/1101L** University Chemistry I
- **CHEM 1123/1121L** University Chemistry II
- **CHEM 1133/1131L** University Chemistry for Engineers II
- **CHEM 1213/1211L** Chemistry for Majors I
- **CHEM 1223/1221L** Chemistry for Majors II
- **ENS 1003/1001L** Environmental Science
- **ENTO 1023/1021L** Insects, Science, and Society
- **EOS 1113/1111L** General Geology
- **EOS 1133/1131L** Environmental Geology
- **PHYS 1023/1021L** Physics and Human Affairs
- **PHYS 1034** Physics for Elementary Ed Majors
- **PHYS 1044** Physics for Architects I
- **PHYS 1054** Physics for Architects II
- **PHYS 2013/2011L** College Physics I
- **PHYS 2033/2031L** College Physics II
- **PHYS 2054** University Physics I
- **PHYS 2074** University Physics II

*Honors students only

Note: U.S. History & Government courses and HUMN courses cannot be used more than once within the University Core.
Graduation Requirements Checklist

In addition to the specific course requirements for your degree plan and your major, be aware that there are general graduation requirements that every student in Fulbright College must complete. University graduation requirements are outlined in the Catalog of Studies, as are the College requirements. Some of that information is highlighted here. Refer to the Catalog of Studies when necessary.

1. **Minimum Total Semester Hour Requirement – 120 graduation hours**

2. **Residency Requirement**
   a) **30 Hour Rule (University Requirement)**
   To ensure the opportunity to engage with faculty and peers in their area of study at the University of Arkansas (UA), Fayetteville, students must fulfill the UA Enrollment Requirement (formerly the "Residence Requirement"):
   1. Earn a minimum of 30 semester hours at the University of Arkansas, Fayetteville campus—this includes UA faculty-led study abroad classes, online/on-campus classes, and Global Campus courses; and all other courses paid towards Fayetteville campus tuition and fees;
   2. These 30 semester hours are to be upper-division semester hours required for the completion of a degree program;
   3. Additional hours in residence can be required for completing a minor;
   4. Hours earned in another school or college at UA (Fayetteville) may be used to satisfy this requirement—with appeal of appropriate faculty curriculum committee;
   5. Appeals to the standards identified in this policy should be made to the Academic Standards Committee.
   b) **24 Hour Rule (College Requirement)**
   A student graduating from Fulbright College must have completed at least 24 hours of 3000 and 4000 level courses from departments in Fulbright College.

3. **40 Hour Rule**
   Students 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. These courses may be taken from other colleges or universities. However, do not forget the college residency requirement, specifically the 24 HOUR RULE.

4. **Grade-Point Average**
   Students graduating from Fulbright College must have a minimum cumulative GPA of 2.00.

5. **35% Online Rule**
   Any student pursuing an on-campus (face-to-face) undergraduate degree from the University of Arkansas may take up to 35 percent, of the total credit hours required to complete the degree, of regular online (semester/summer) and self-paced online (correspondence) courses for degree credit.

6. **50% Rule**
   A student graduating with a major or a minor from Fulbright College must have completed a minimum of 50 percent of degree credit work within the Fulbright College major or within the Fulbright College minor at the University of Arkansas through courses completed at the University of Arkansas, Fayetteville campus as defined in the University Residency Requirement.

7. **Writing Requirement**
   Students graduating from Fulbright College must write a research/analytical paper for at least one upper division course in his/her major. Satisfactory completion of an honors project or a senior thesis may fulfill this requirement. Each department has determined its own procedures for certifying completion of this requirement. Questions should be referred to the departmental chairperson.