



2+2 Degree Plan Checklist

Associate of Science in Liberal Arts and Sciences BS in Physics (Physical Science)



Arkansas State University - Beebe¹ Associate of Science in Liberal Arts and Sciences²

| Possible Prerequisites | | | Semester | Hours | Grade |
|------------------------|------|--|----------|-------|-------|
| UNIV | 1003 | Principles of Academic Success III (required if registering for a remedial course) | | (3) | |
| ENG | 0023 | College Literacy (taken with ENG 1003 – Freshman English I) | | N/C | |
| MATH | 0112 | Review for College Algebra (taken with MATH 1023 – College Algebra) | | N/C | |
| MATH | 0123 | Pre-College Algebra | | N/C | |

General Education Requirements (35 credit hours)

| English/Communication (12 credit hours) | | | UCA ³ | Semester | Hours | Grade |
|---|------|-----------------------------|------------------|----------|-------|-------|
| ENG | 1003 | Freshman English I | WRTG 1310 | | 3 | |
| ENG | 1013 | Freshman English II | WRTG 1320 | | 3 | |
| SPCH | 1203 | Oral Communications | COMM 1300 | | 3 | |
| ENG | 2003 | World Literature to 1660 | ENGL 2305 | | 3 | |
| ENG | 2013 | World Literature since 1660 | ENGL 2306 | | | |
| PHIL | 1103 | Introduction to Philosophy | PHIL 1301 | | | |

| Mathematics (3 credit hours) | | | UCA | Semester | Hours | Grade |
|------------------------------|------|-----------------|-----------|----------|-------|-------|
| MATH | 1023 | College Algebra | MATH 1390 | | 3 | |

| Lab Sciences (8 credit hours) | | | UCA | Semester | Hours | Grade |
|-------------------------------|------|---|-----------|----------|-------|-------|
| BIOL | 1004 | Biology for General Education (or other ASLAS Life Science with Lab) | BIOL 1400 | | 4 | |
| PHYS | 2054 | General Physics I | PHYS 1410 | | 4 | |
| PHYS | 2074 | University Physics I | PHYS 1441 | | | |

| Fine Arts (3 credit hours) | | | UCA | Semester | Hours | Grade |
|----------------------------|------|---|-----------|----------|-------|-------|
| ART | 2503 | Fine Arts - Visual | ART 2300 | | 3 | |
| MUS | 2503 | Fine Arts - Musical | MUS 2300 | | | |
| THEA | 2503 | Fine Arts – Theatre (or other ASLAS Fine Arts) | THEA 2300 | | | |

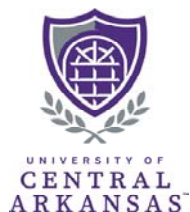
| Social Sciences (6 credit hours) | | | UCA | Semester | Hours | Grade |
|----------------------------------|------|--|-----------|----------|-------|-------|
| HIST | 2763 | The United States to 1876 | HIST 2301 | | 3 | |
| HIST | 2773 | The United States since 1876 | HIST 2302 | | | |
| POSC | 2103 | Introduction to United States Government | PSCI 1330 | | | |
| HIST | 1013 | World Civilization to 1660 | HIST 1310 | | 3 | |
| HIST | 1023 | World Civilization since 1660 | HIST 1320 | | | |

| Social or Behavioral Science Elective (3 credit hours) | | | UCA | Semester | Hours | Grade |
|--|------|--|-----------|----------|-------|-------|
| PSY | 2013 | Introduction to Psychology | PSYC 1300 | | 3 | |
| GEOG | 2613 | Introduction to Geography | GEOG 1305 | | | |
| SOC | 2213 | Principles of Sociology (or other ASLAS Social Science) | SOC 1300 | | | |

Physics Foundation (25 credit hours)

| | | | UCA | Semester | Hours | Grade |
|------|------|-----------------------|-----------|----------|-------|-------|
| CHEM | 1014 | General Chemistry I | CHEM 1450 | | 4 | |
| CHEM | 1024 | General Chemistry II | CHEM 1451 | | 4 | |
| MATH | 1033 | Plane Trigonometry | MATH 1392 | | 3 | |
| MATH | 2205 | Calculus I | MATH 1496 | | 5 | |
| MATH | 2215 | Calculus II | MATH 1497 | | 5 | |
| PHYS | 2064 | General Physics II | PHYS 1420 | | 4 | |
| PHYS | 2084 | University Physics II | PHYS 1442 | | | |

Total Hours: 60⁴



2+2 Degree Plan Checklist
Associate of Science in Liberal Arts and Sciences
BS in Physics (Physical Science)



University of Central Arkansas
Bachelor of Science in Physics (Physical Science)
UCA Courses (60 credit hours)^{5,6}

| | | | Semester | Hours | Grade |
|------|------|---|----------|-------|-------|
| CHEM | 2401 | Organic Chemistry I | | 4 | |
| MATH | 2471 | Calculus III | | 4 | |
| PHYS | 1301 | Introduction to Physics | | 3 | |
| PHYS | 2443 | University Physics 3 | | 4 | |
| PHYS | 3210 | Experiments in Physics 1 | | 2 | |
| PHYS | 3220 | Experiments in Physics 2 | | 2 | |
| PHYS | 4111 | Senior Capstone 1 | | 1 | |
| PHYS | 4211 | Senior Capstone 2 (UD UCA Core: Z) | | 2 | |
| WRID | 3310 | Technical Writing (UD UCA Core: C) | | 3 | |
| | | Upper Division Chemistry Elective | | 3 | |
| | | Upper Division Physics Elective | | 3 | |
| | | Upper Division Physics Elective | | 3 | |
| | | Upper Division Physics Elective | | 3 | |
| | | Upper Division Minor Elective (UD UCA Core: D, I, or R as needed) | | 3 | |
| | | Upper Division Minor Elective (UD UCA Core: D, I, or R as needed) | | 3 | |
| | | Upper Division Minor Elective | | 3 | |
| | | Upper Division Minor Elective | | 3 | |
| | | Upper Division Minor Elective | | 3 | |
| | | Minor Elective | | 3 | |
| | | Minor Elective | | 3 | |
| | | General Elective | | 2 | |

Total Hours: 120⁷

¹ Please see your ASUB advisor for degree and graduation information.

² Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at ASUB, not to precede the academic year during which the agreement first took effect. A period of non-enrollment of 12 months or more requires that the student adhere to the agreement revision corresponding with the academic year of re-enrollment.

³ UCA course is either guaranteed by ACTS (acts.adhe.edu) or by UCA Department Chair approval (if blank, elective credit will be awarded)

⁴ Students completing the AS in Liberal Arts and Sciences degree requirements, as shown above, with a minimum 2.0 cumulative GPA, will have satisfied the UCA Lower-Division Core and will be admitted to the BS in Physics (Physical Science) degree program as a junior.

⁵ In order to receive important communications about transferring to UCA, students are encouraged to create a UCA student account at admissions.uca.edu/apply/. For more information about the 2+2 program, students may also send email inquiries to ucatransfer@uca.edu.

⁶ PHYS 2443, 3210, 3220, 4111 and 4211 is a 5-semester sequence of courses which will require PHYS 3220 to be taken over a summer term.

⁷ This agreement requires 120 credit hours as follows: maximum 60 at ASUB and remaining 60 at UCA (40 of which must be upper-division).