



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



**Northwest Arkansas Community College<sup>1</sup>**  
**Associate of Science in Liberal Arts and Sciences<sup>2</sup>**

| Possible Prerequisites |      |                        | Semester | Hours | Grade |
|------------------------|------|------------------------|----------|-------|-------|
| ENGA                   | 0093 | Reading Writing Studio |          | N/C   |       |
| MATH                   | 0053 | Beginning Algebra      |          | N/C   |       |
| MATH                   | 0103 | Intermediate Algebra   |          | N/C   |       |

**General Education Requirements (35 credit hours)**

| English Composition (6 credit hours) |      |                | UCA <sup>3</sup> | Semester | Hours | Grade |
|--------------------------------------|------|----------------|------------------|----------|-------|-------|
| ENGL                                 | 1013 | Composition I  | WRTG 1310        |          | 3     |       |
| ENGL                                 | 1023 | Composition II | WRTG 1320        |          | 3     |       |

| Mathematics (3 credit hours) |      |                 | UCA       | Semester | Hours | Grade |
|------------------------------|------|-----------------|-----------|----------|-------|-------|
| MATH                         | 1203 | College Algebra | MATH 1390 |          | 3     |       |

| Lab Sciences (8 credit hours) |      |   | UCA       | Semester | Hours | Grade |
|-------------------------------|------|---|-----------|----------|-------|-------|
| BIOL                          | 1544 | Principles of Biology I                 | BIOL 1440 |          | 4     |       |
| PHYS                          | 2014 | <b>Choose one:</b><br>College Physics I | PHYS 1410 |          | 4     |       |
| PHYS                          | 2054 | Advanced College Physics I              | PHYS 1441 |          |       |       |

| Fine Arts/Humanities (6 credit hours) |      |   | UCA       | Semester | Hours | Grade |
|---------------------------------------|------|---|-----------|----------|-------|-------|
| ARHS                                  | 1003 | <b>Choose one:</b><br>Art Appreciation        | ART 2300  |          | 3     |       |
| MUSI                                  | 1003 | Music Appreciation                            | MUS 2300  |          |       |       |
| COMM                                  | 1303 | Public Speaking<br>(or other ASLAS Fine Arts) | COMM 1300 |          |       |       |

|      |      |   |           |  |   |  |
|------|------|---|-----------|--|---|--|
| ENGL | 2213 | <b>Choose one:</b><br>Survey of World Literature to 1650            | ENGL 2305 |  | 3 |  |
| ENGL | 2223 | Survey of World Literature from 1650<br>(or other ASLAS Humanities) | ENGL 2306 |  |   |  |

| US History/Government (3 credit hours) |      |  | UCA       | Semester | Hours | Grade |
|--|------|--|-----------|----------|-------|-------|
| HIST                                   | 2003 | <b>Choose one:</b><br>History of American People to 1877 | HIST 2301 |          | 3     |       |
| HIST                                   | 2013 | History of American People from 1877 to Present          | HIST 2302 |          |       |       |
| PLSC                                   | 2003 | American National Government                             | PSCI 1330 |          |       |       |

| Social Sciences (9 Credit Hours) |      |  | UCA       | Semester | Hours | Grade |
|----------------------------------|------|--|-----------|----------|-------|-------|
| HIST                             | 1033 | <b>Choose three:</b><br>World Civilization to 1500 | HIST 1310 |          | 9     |       |
| HIST                             | 1043 | World Civilization from 1500                       | HIST 1320 |          |       |       |
| PHIL                             | 2003 | Introduction to Philosophy                         | PHIL 1301 |          |       |       |
| PSYC                             | 2003 | General Psychology                                 | PSYC 1300 |          |       |       |
| SOCI                             | 2013 | General Sociology                                  | SOC 1300  |          |       |       |
|                                  |      | (or other ASLAS Social Science)                    |           |          |       |       |

**Physics Foundation (25 credit hours)**

| STEM Directed Electives (8 credit hours) |      |                      | UCA       | Semester | Hours | Grade |
|--|------|----------------------|-----------|----------|-------|-------|
| CHEM                                     | 1104 | College Chemistry I  | CHEM 1450 |          | 4     |       |
| CHEM                                     | 1124 | College Chemistry II | CHEM 1451 |          | 4     |       |

| General Directed Electives (17 credit hours) |      |  | UCA       | Semester | Hours | Grade |
|--|------|--|-----------|----------|-------|-------|
| MATH   | 1213 | Plane Trigonometry                       | MATH 1392 |          | 3     |       |
| MATH   | 2554 | Calculus I                               | MATH 1496 |          | 4     |       |
| MATH   | 2564 | Calculus II                              | MATH 1497 |          | 4     |       |
| PHYS   | 2034 | <b>Choose one:</b><br>College Physics II | PHYS 1420 |          | 4     |       |
| PHYS   | 2074 | Advanced College Physics II              | PHYS 1442 |          |       |       |
|  |      | ASLAS Approved Elective                  |           |          | 2     |       |

**Total Hours: 60<sup>4</sup>**



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



**University of Central Arkansas**  
**Bachelor of Science in Physics (Physical Science)**  
**UCA Courses (60 credit hours)<sup>5,6</sup>**

|      |      |  | 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: 120<sup>7</sup>**

<sup>1</sup> Please see your NWACC advisor for degree and graduation information.

<sup>2</sup> Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at NWACC, 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.

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

<sup>4</sup> 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.

<sup>5</sup> In order to receive important communications about transferring to UCA, students are encouraged to create a UCA student account at [admissions.uca.edu/apply/](https://admissions.uca.edu/apply/). For more information about the 2+2 program, students may also send email inquiries to [ucatransfer@uca.edu](mailto:ucatransfer@uca.edu).

<sup>6</sup> 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.

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