



**2+2 Degree Plan Checklist**  
**Associate of Science in Liberal Arts and Sciences**  
**BS in Mathematics (Pure Mathematics)**



**University of Arkansas-Pulaski Technical College<sup>1</sup>**  
**Associate of Science in Liberal Arts and Sciences<sup>2</sup>**  
**General Education Requirements (35 credit hours)**

| <b>English/Communication (9 credit hours)</b> |      |                        | <b>UCA<sup>3</sup></b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|---|------|------------------------|------------------------|-----------------|--------------|--------------|
| ENGL  | 1311 | English Composition I  | WRID 1310              |                 | 3            |              |
| ENGL  | 1312 | English Composition II | WRID 1320              |                 | 3            |              |
| SPCH  | 1300 | Speech Communications  | COMM 1300              |                 | 3            |              |

| <b>Mathematics (3 credit hours)</b> |      |                 | <b>UCA</b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|-------------------------------------|------|-----------------|------------|-----------------|--------------|--------------|
| MATH                                | 1302 | College Algebra | MATH 1390  |                 | 3            |              |

| <b>Lab Sciences (8 credit hours)</b> |           |   | <b>UCA</b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|--------------------------------------|-----------|---|------------|-----------------|--------------|--------------|
| BIOL                                 | 1100/1300 | Biology for Non-Majors and Lab<br><i>(or other ASLAS Life Science with Lab)</i> | BIOL 1400  |                 | 4            |              |
| PHYS                                 | 1100/1300 | Physical Science and Lab<br><i>(or other ASLAS Physical Science with Lab)</i>   | PHYS 1400  |                 | 4            |              |

| <b>Arts and Humanities (3 credit hours)</b> |      |   | <b>UCA</b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|---|------|---|------------|-----------------|--------------|--------------|
| ARTS  | 2300 | <b>Choose one:</b><br>Introduction to Visual Art<br>Introduction to Music<br>Introduction to Theatre<br><i>(or other ASLAS Arts and Humanities)</i> | ART 2300   |                 | 3            |              |
| MUSC  | 2300 |   | MUS 2300   |                 |              |              |
| THEA  | 2300 |   | THEA 2300  |                 |              |              |

| <b>Literature (3 credit hours)</b> |      |  | <b>UCA</b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|------------------------------------|------|--|------------|-----------------|--------------|--------------|
| ENGL                               | 2337 | <b>Choose one:</b><br>World Literature from the Beginning to 1650<br>World Literature from 1650 to the Present<br><i>(or other ASLAS Literature)</i> | ENGL 2305  |                 | 3            |              |
| ENGL                               | 2338 |  | ENGL 2306  |                 |              |              |

| <b>History/Government (3 Credit Hours)</b> |      |   | <b>UCA</b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|--|------|---|------------|-----------------|--------------|--------------|
| HIST                                       | 2311 | <b>Choose one:</b><br>US History to 1877<br>US History since 1877<br>American National Government | HIST 2301  |                 | 3            |              |
| HIST                                       | 2312 |   | HIST 2302  |                 |              |              |
| POLS                                       | 1310 |   | PSCI 1330  |                 |              |              |

| <b>Social Sciences (6 credit hours)</b> |      |  | <b>UCA</b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|---|------|--|------------|-----------------|--------------|--------------|
| GEOG                                    | 2310 | <b>Choose two:</b><br>Cultural Geography<br>Psychology and the Human Experience<br>Introduction to Sociology<br><i>(or other ASLAS Social Science)</i> | GEOG 1320  |                 | 6            |              |
| PSYC                                    | 2300 |  | PSYC 1300  |                 |              |              |
| SOCI                                    | 2300 |  | SOC 1300   |                 |              |              |

**Mathematics Foundation (25 credit hours)**

|      |      |                                | <b>UCA</b> | <b>Semester</b> | <b>Hours</b> | <b>Grade</b> |
|------|------|--------------------------------|------------|-----------------|--------------|--------------|
| MATH | 1303 | Trigonometry                   | MATH 1392  |                 | 3            |              |
| MATH | 1404 | Calculus I                     | MATH 1496  |                 | 4            |              |
| MATH | 1405 | Calculus II                    | MATH 1497  |                 | 4            |              |
|      |      | <i>ASLAS Approved Elective</i> |            |                 | 3            |              |
|      |      | <i>ASLAS Approved Elective</i> |            |                 | 3            |              |
|      |      | <i>ASLAS Approved Elective</i> |            |                 | 3            |              |
|      |      | <i>ASLAS Approved Elective</i> |            |                 | 3            |              |
|      |      | <i>ASLAS Approved Elective</i> |            |                 | 2            |              |

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



**2+2 Degree Plan Checklist**  
**Associate of Science in Liberal Arts and Sciences**  
**BS in Mathematics (Pure Mathematics)**



**University of Central Arkansas**  
**Bachelor of Science in Mathematics (Pure Mathematics)**  
**UCA Courses (60 credit hours)<sup>5</sup>**

|      |      |   | Semester | Hours | Grade |
|------|------|---|----------|-------|-------|
| MATH | 2335 | Transition to Advanced Mathematics                                  |          | 3     |       |
| MATH | 2341 | Introduction to Mathematical Computation                            |          | 3     |       |
| MATH | 2471 | Calculus III  |          | 4     |       |
| MATH | 3311 | Statistical Methods   |          | 3     |       |
| MATH | 3320 | Linear Algebra (UD UCA Core: I)                                     |          | 3     |       |
| MATH | 3331 | Ordinary Differential Equations I (UD UCA Core: C)                  |          | 3     |       |
| MATH | 3360 | Introduction to Rings & Fields                                      |          | 3     |       |
| MATH | 3362 | Introduction to Group Theory  |          | 3     |       |
| MATH | 4362 | Advanced Calculus I (UD UCA Core: Z)                                |          | 3     |       |
| MATH | 4371 | Introduction to Probability (UD UCA Core: R)                        |          | 3     |       |
|      |      | Math Major Elective (4000 Level - From Approved List - See Advisor) |          | 3     |       |
|      |      | Math Major Elective (4000 Level - From Approved List - See Advisor) |          | 3     |       |
|      |      | Upper Division Minor Field Course (UD UCA Core: D)                  |          | 3     |       |
|      |      | Upper Division Minor Field Course                                   |          | 3     |       |
|      |      | Upper Division Minor Field Course                                   |          | 3     |       |
|      |      | Upper Division Minor Field Course                                   |          | 3     |       |
|      |      | Upper Division Minor Field Course                                   |          | 3     |       |
|      |      | Upper Division Minor Field Course                                   |          | 3     |       |
|      |      | Minor Field Course  |          | 3     |       |
|      |      | Minor Field Course  |          | 3     |       |

**Total Hours: 120<sup>6</sup>**

<sup>1</sup> Please see your UA-PTC advisor for degree and graduation information.

<sup>2</sup> Agreement requirements are guaranteed in accordance with the academic year of initial enrollment at UA-PTC, 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 Mathematics (Pure Mathematics) 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> This agreement requires 120 credit hours as follows: maximum 60 at UA-PTC and remaining 60 at UCA (40 of which must be upper-division).