



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



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 | 0013 | Precollege Literacy | | N/C | |
| ENG | 0023 | College Literacy (taken with ENG 1003 – Freshman English I) | | N/C | |
| MATH | 0123 | Pre-College Algebra | | N/C | |
| MATH | 0042 | Review for Quantitative Literacy (taken with MATH 1043 – Quantitative Literacy) | | 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 | |
| Choose one: | | | | | | |
| ENG | 2003 | World Literature I | ENGL 2305 | | 3 | |
| ENG | 2013 | World Literature II | 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 <i>(or other ASLAS Life Science with Lab)</i> | BIOL 1400 | | 4 | |
| PHSC | 1204 | Physical Science <i>(or other ASLAS Physical Science with Lab)</i> | PHYS 1400 | | 4 | |

| Fine Arts (3 credit hours) | | | UCA | Semester | Hours | Grade |
|----------------------------|------|--|-----------|----------|-------|-------|
| Choose one: | | | | | | |
| ART | 2503 | Fine Arts - Visual | ART 2300 | | 3 | |
| MUS | 2503 | Fine Arts - Musical | MUS 2300 | | | |
| THEA | 2503 | Fine Arts – Theatre <i>(or other ASLAS Fine Arts)</i> | THEA 2300 | | | |

| Social Sciences (6 credit hours) | | | UCA | Semester | Hours | Grade |
|----------------------------------|------|--|-----------|----------|-------|-------|
| Choose one: | | | | | | |
| 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 | | | |
| Choose one: | | | | | | |
| 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 |
|--|------|---|-----------|----------|-------|-------|
| Choose one: | | | | | | |
| GEOG | 2613 | Introduction to Geography | GEOG 1305 | | 3 | |
| PSY | 2013 | Introduction to Psychology | PSYC 1300 | | | |
| SOC | 2213 | Principles of Sociology <i>(or other ASLAS Social Science)</i> | SOC 1300 | | | |

Mathematics Foundation (25 credit hours)

| | | | UCA | Semester | Hours | Grade |
|---------------------------------|------|--------------------|-----------|----------|-------|-------|
| MATH | 1033 | Plane Trigonometry | MATH 1392 | | 3 | |
| MATH | 2205 | Calculus I | MATH 1496 | | 5 | |
| MATH | 2215 | Calculus II | MATH 1497 | | 5 | |
| <i>ASLAS Approved Electives</i> | | | | | 12 | |

Total Hours: 60⁴



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)⁵

| | | | | | |
|------|------|---|--|---|--|
| MATH | 2335 | Transition to Advanced Mathematics | | 3 | |
| MATH | 2471 | Calculus III | | 4 | |
| 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 | |
| | | General Elective | | 3 | |
| | | General Elective | | 2 | |

Total Hours: 120⁶

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 Mathematics (Pure Mathematics) 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 gopurple.uca.edu. For more information about the 2+2 program, students may also send email inquiries to ucatransfer@uca.edu.

⁶ This agreement requires 120 credit hours as follows: maximum 60 at ASUB and remaining 60 at UCA (40 of which must be upper-division).