

Arkansas State University - Jonesboro
Bachelor of Science in Education
Major: Mathematics
2020-2021

Students requiring developmental course work based on low entrance exam scores (ACT, SAT, ASSET, COMPASS) may not be able to complete this program of study in eight (8) semesters. Developmental courses do not count toward total degree hours. **Students having completed college level courses prior to enrollment will be assisted by their advisor in making appropriate substitutions. In most cases, general education courses may be interchanged between semesters.** A minimum of 45 hours of upper division credit (3000-4000 level) is required for this degree. Mandatory state and institutional assessment exams will be required during your degree program. **Failure to participate in required assessments may delay graduation.**

| Year 1 | | | | Year 1 | | | |
|---|---|-----|--------|---|---|-----|--------|
| Fall Semester | | | | Spring Semester | | | |
| Course No. | Course Name | Hrs | Gen Ed | Course No. | Course Name | Hrs | Gen Ed |
| MATH 1093 | Making Connections | 3 | | MATH 2214 | Calculus II | 4 | |
| MATH 2204 | Calculus I | 4 | X | ENG 1013 | Composition II | 3 | X |
| ENG 1003 | Composition I | 3 | X | ENG 2003 or ENG 2013 or PHIL 1103 | Intro to World Lit I or Intro to World Lit II or Intro to Philosophy | 3 | X |
| MUS 2503 or THEA 2503 or ART 2503 | Fine Arts-Musical or Fine Arts-Theatre or Fine Arts -Visual | 3 | X | ANTH 2233 or GEOG 2613 or HIST 1013 or HIST 1023 | Intro to Anthropology or Intro to Geography or World Civ to 1660 or World Civ since 1660 | 3 | |
| HIST 2763 or HIST 2773 or | U.S. to 1876 or U.S. since 1876 | 3 | X | PSY 2013 | Intro to Psychology | 3 | X |
| | | | | | | | |
| Total Hours | | 16 | | Total Hours | | 16 | |
| Year 2 | | | | Year 2 | | | |
| Fall Semester | | | | Spring Semester | | | |
| Course No. | Course Name | Hrs | Gen Ed | Course No. | Course Name | Hrs | Gen Ed |
| MATH 3254 | Calculus III | 4 | | COMS 1203 | Oral Communication | 3 | X |
| MATH 3303 | Modern Algebra I | 3 | | MATH 3323 | Mathematical Modeling | 3 | |
| MATH 2183 | Discrete Structures | 3 | | BIOL 1003 and BIOL 1001 | Biological Science and Lab for Biological Science | 4 | X |
| PHYS 2034 or PHYS 2054 | University Physics I or General Physics I | 4 | X | PHYS 2044 or PHYS 2064 | University Physics II or General Physics II | 4 | |
| SCED 2513 | Intro to Secondary Teaching | 3 | | Student choice of elective | Student choice of elective | 1 | |
| | | | | | | | |
| Total Hours | | 17 | | Total Hours | | 15 | |

Year Two Notes: Take steps toward admission into the Teacher Education Program. Admission requirements include a 2.70 overall GPA and passing the Praxis Core tests with scores of at least 162 in Reading, 162 in Mathematics, and 162 in Writing*. All Teacher Education Program admission requirements and the Admission Screening/Interview with the Department of Mathematics and Statistics must be completed before enrolling in EDMA 4563, SCED 3515, SCED 4713, and TIMA 4826. See <http://www.astate.edu/a/prof-ed-programs-office/admission/check-point-1.dot> for more information.

* see Professional Education Programs Admission Standards for most up to date information.

| Year 3 | | | | Year 3 | | | |
|--------------------|--|-----|--------|--------------------|--|-----|--------|
| Fall Semester | | | | Spring Semester | | | |
| Course No. | Course Name | Hrs | Gen Ed | Course No. | Course Name | Hrs | Gen Ed |
| STAT 4453 | Probability and Statistics I | 3 | | EDMA 4563 | Methods and Materials for Teaching Mathematics | 3 | |
| STAT 3233 | Applied Statistics I | 3 | | SCED 3515 | Performance Based Instructional Design | 5 | |
| MATH 3353 | History of Math | 3 | | MATH 3243 | Linear Algebra | 3 | |
| PSY 3703 | Educational Psychology | 3 | | MATH 3343 | College Geometry | 3 | |
| ELSE 3643 | Exceptional Student in the Regular Classroom | 3 | | | | | |
| | | | | | | | |
| Total Hours | | 15 | | Total Hours | | 14 | |

Year Three Notes: Students must attend the Pre-Teacher Intern Check meeting one year prior to the Internship semester and complete the Pre-Teacher Intern Check form with the academic advisor. An overall GPA of 2.70 and a major content area GPA of 2.70 are required to complete the Pre-Teacher Intern Check process.

| Year 4 | | | | Year 4 | | | |
|---------------------------|--|-----|--------|--------------------|---------------------|-----|--------|
| Fall Semester | | | | Spring Semester | | | |
| Course No. | Course Name | Hrs | Gen Ed | Course No. | Course Name | Hrs | Gen Ed |
| MATH 4553 | Advanced Calculus I | 3 | | TIMA 4826 | Teaching Internship | 12 | |
| POSC 2103 | Intro to U.S. Government | 3 | X | | | | |
| SCED 4713 | Educational Measurement with Computer Applications | 3 | | | | | |
| HLTH 2513 | Principles of Personal Health | 3 | | | | | |
| Computer Science elective | Computer Science elective | 3 | | | | | |
| Total Hours | | 15 | | Total Hours | | 12 | |

Year Four Notes: Students must attend the Intent for Teaching Internship meeting one semester prior to the Internship semester and complete the Intent for Teaching Internship form with the academic advisor. An overall GPA of 2.70 and a major content area GPA of 2.70 are required to complete the Intent for Teaching Internship process and for final validation of internship eligibility. A grade of C or better is required in all professional education courses (Introduction to Secondary Teaching, Exceptional Child in the Regular Classroom, Educational Psychology, Methods and Materials for Teaching Mathematics, Performance Based Instructional Design, and Educational Measurement with Computer Applications).

Prior to graduation, students must pass Praxis 5624--Principles of Teaching and Learning: Grades 7-12 with a score of at least 157 and take Praxis 5161--Mathematics: Content Knowledge (passing score = 160).*

Total Jr/Sr Hours

57

Total Degree Hours

120