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| **Arkansas State University - Jonesboro** | | | | | | | | |
| **Bachelor of Science in Education** | | | | | | | | |
| **Major:  Mathematics** | | | | | | | | |
| **2014-2015** | | | | | | | | |
|  | | | | | | | | |
| 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 |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 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 |  |
|  |  |  |  |  |  |  |  |  |
| **Total Jr/Sr Hours** | | **57** |  |  | **Total Degree Hours** | | **120** |  |
|  |  |  |  |  |  |  |  |  |