

**BA in Mathematics Education  
(Grades 5-Adult)**

Name \_\_\_\_\_

**General Electives 2-4**

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**General Studies 45-47**

**Communications 9**

- \_\_\_ Freshman English I (ENG 101) 3
- \_\_\_ Freshman English II (ENG 102) 3
- \_\_\_ Communications (COM 101) 3

**Natural Sciences 8**

- \_\_\_ Life Science (BIO 105/106 or 124/125) 4
- \_\_\_ Physical Science (CHEM or PHYS) 4

**Fine Arts/Humanities 9**

- \_\_\_ Literature (ENG) 3
- (Choose 2 from following 4 options)
- \_\_\_ Art (ART 100, 140, 340, 341 or 343) 3
- \_\_\_ Communications (COM 203, 211, 241, 341) 3
- \_\_\_ Fine Arts (FA 101) 3
- \_\_\_ Music (MUS 130, 330 or 331) 3

**Social and Behavioral Sciences 12**

- \_\_\_ History (HIS 103, 104, 210, or 211) 3
- \_\_\_ Geography (GEO 205 or 206) 3
- \_\_\_ Restricted Elective (see catalog) 3
- \_\_\_ Restricted Elective (see catalog) 3

**Wellness/Physical Education 4 or 5**

- \_\_\_ Physical Education (PE 101 & 102) 2
- \_\_\_ Health (HE 253 or 250) 2 or 3

**Total Hours: 128**

- Students must take at least one course each that is designated; Critical Thinking, Technology, International/Global Perspective, and Cultural Diversity. (See College Catalog for details.)

**Symbols:**

**F:** Fall **S:** Spring **SE:** Spring even year **SO:** Spring odd year

**R1, R2, R3:** Rotation order over three semester period

**Note:** This status sheet may contain errors. Refer to the West Liberty University Catalog for the exact requirements for obtaining a degree in this program. Sheet revised 4/2014

**Mathematics 42**

- \_\_\_ MATH 175 Computer Programming (S) 3
- \_\_\_ MATH 210 Calculus & Analytic Geo I 4
- \_\_\_ MATH 211 Calculus & Analytic Geo II (F) 4
- \_\_\_ MATH 212 Calculus & Analytic Geo III (S) 4
- \_\_\_ MATH 264 Manipulatives in Mathematics (S) 2
- \_\_\_ MATH 327 History of Mathematics (F) 3
- \_\_\_ MATH 334 Geometry (F) 3
- \_\_\_ MATH 373 Finite Mathematics (F) 3
- \_\_\_ MATH 374 Discrete Mathematics (S) 3
- \_\_\_ MATH 341 Linear Algebra (F) 3
- \_\_\_ MATH 445 Abstract Algebra (R2) 3
- \_\_\_ MATH 464 Probability & Statistics (R3) 3
- \_\_\_ MATH 480 Mathematics Capstone (F) 1
- (choose 1 from following 2 options)
- \_\_\_ MATH 375 Applied Differential Eqs (R1) 3
- \_\_\_ MATH 475 Numerical Analysis (SO) 3

**Professional Education 25**

- \_\_\_ EDUC 100 Intro to Professional Education 1
- \_\_\_ EDUC 207 Foundations of Education 3
- \_\_\_ EDUC 290 Instructional Technology 3
- \_\_\_ EDUC 301 \*\*Educational Psychology 3
- \_\_\_ EDUC 293 \*Instructional Design 3
- \_\_\_ EDUC 340 \*Methods & Materials in Math 2
- \_\_\_ EDUC 342 \*Methods & Materials Lab 1
- \_\_\_ SPED 241 Introduction to Exceptionalities 3
- \_\_\_ SPED 320 \* Collaborative. Teaching 3
- \_\_\_ READ 302 \* Reading in Content Area 3

\*Must be taken together the semester before student teaching. "Secondary Block"

\*\*Must be admitted into Professional Education Program.

- A letter grade of "C" or better is required for every course in the Professional Education Component.

Praxis II (Content & Pedagogy Test also required for WV Certification) See Website

[www.ets.org/praxis/register](http://www.ets.org/praxis/register)

**Professional Semester 12**

- \_\_\_ EDUC 409 School Law & Organization 1
- \_\_\_ EDUC 470 Professional Seminar 1
- \_\_\_ EDUC 484 Student Teaching in MCE 5
- \_\_\_ EDUC 482 Student Teaching in AE 5