



College of Education
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College of Education

General Science Certification

Curriculum Summary Sheet

5th grade- Adult

As of Catalog 2015-2016 **UPDATED Fall 2015**

Major Courses:

II. REQUIRED SCIENCE.....51-55 Sem. Hours

A. BIOLOGY	BIO 124 Biological Principles	3-4
	BIO 125 Biological Principles Lab	1
	BIO 200 Biology of Plants and Lab.....	4
	BIO 202 Biology of Animals.....	3
	BIO 203 Biology of Animals Lab.....	1
	BIO 482 Biology Education Capstone.....	1

B. CHEMISTRY

CHEM 110 General Chemistry I.....	3
CHEM 111 General Chemistry I Lab.....	1
CHEM 112 General Chemistry II.....	3
CHEM 113 General Chemistry II Lab.....	1

C. GEOGRAPHY

GEO 444 Weather and Climate.....	3
PHYS 400 Oceanography and Climatology.... (2 hour Lecture).....	2

OR

D. MATHEMATICS CHOOSE 2

MATH 145 Precalculus Algebra.....	3
MATH 160 Introduction to Statistics	3
MATH 210 Calculus & Analytic Geo. 1.....	4

E. PHYSICS

PHYS 101 Elementary Physics I.....	3
PHYS 110 Elementary Physics Lab I.....	1
PHYS 102 Elementary to Physics II.....	3
PHYS 111 Elementary Physics Lab II.....	1
PHYS 315 Issues and Trends in Science Education	3
PHYS 345 Earth & Space Sciences	3
PHYS 346 Earth & Space Science Lab.....	1

F. ELECTIVES Science Elective.....	7-8
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Chosen from Any 300-400 with heading of BIO, CHEM, or PHYS

ADMISSION REQUIREMENTS: SEE Teacher Education Program Student Policy Manual for all requirements for admission to program and to student teaching.

ADMISSION, RETENTION, GRADUATION, AND CERTIFICATION

All teacher education students are required to meet the requirements for admission, retention, graduation and certification as outlined in the Professional Education Admission and Retention Policy.

LIABILITY INSURANCE

Students are encouraged to have liability insurance coverage when they are working in school situations. Appropriate insurance can be obtained from an insurance agency or through membership in the W.Va. Student Education Association.

PASS PRAXIS TEST/S/.

Information provided on this curriculum form is from the 2015-2016 University Catalog

Professional Education Course Component Required (37 Credit Hours) Sem. Hrs.

EDUC 340/342 Methods & Materials for Secondary and Lab	EDUC 340 (2 hours) and Lab 342 (1 hour)	3
EDUC 100 Intro to Profess. Education		1
EDUC 207 Foundations of		3
EDUC 209 Practicum I (15 hours required of Field)		0
EDUC 290 Instructional Technology		3
EDUC 293 Instructional Design		3
EDUC 301 Educational Psychology		3
EDUC 309 Practicum II (Required 80 Hours of Field).....		0
Field I and Field II must be successfully completed for admission to Practicum I (EDUC 209)		
SPED 241 Intro To Exceptionalities		3
SPED 320 Collaborative Planning, Instruction & Assessment of Secondary Students with Special Learning Needs		3
READ 302 Reading for Content Area (must be admitted to the Program to enroll in this course)		3

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

** One must be eligible to student teach to enroll in professional semester courses.

Professional Semester Courses: **

EDUC 409 School Law & Organization	1
EDUC 470 Student Teaching Seminar	1
EDUC 484 Student Teaching in MCE	5
EDUC 482 Student Teaching in AE.....	5

IT IS STRONGLY RECOMMENDED THAT YOU GO TO WEBSITE FOR ETS TO FIND OUT WEST VIRGINIA'S REQUIRED TEST CODES AND SCORE NEEDED TO PASS PRAXIS TEST/S/.