College of Education
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College of Education
General Science Certification
This is an optional specialization available to education majors

Curriculum Summary Sheet for
5th grade – 9th grade

As of Catalog **2016-2017**

Major Courses

II. Required

A. Biology:
- BIO 124 Biological Principles 3
- AND BIO125 Biological Principles Labs 1
- BIO 340 Life Sciences II for Elementary & 5-9 Teachers…(2hour lab included)..... 4

B. Chemistry
- CHEM 100 Foundations of Chemistry..... 3
- CHEM 101 Foundations of Chemistry Lab..... 1

C. Geography
- GEO 444 Weather and Climate..... 3
- Or PHYS 400 Intro to Oceanography and Climatology 2

D Mathematics
- MATH 145 Precalculus 3

E Physics
- PHYS 101 Elementary Physics I 3
- PHYS 110 Elementary Physics Lab I..... 1
- PHYS 315 Trends and Issues in Science Education 3
- PHYS 340 Physical Science II for Elementary/5-9 Teachers & (1 hr. Lab included..... 4
- PHYS 345 Earth & Space Science..... 3
- PHYS 346 Earth & Space Science. Lab..... 1

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.*

Information provided on this curriculum form is from the 2016-2017 University Catalog

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

PROFESSIONAL EDUCATION COMPONENT*

EDUC 100 Intro to Profess. Education	1
EDUC 207 Foundations of Education	3
EDUC 290 Instructional Technology	3
EDUC 301 Educational Psychology	3
SPED 241 Intro To Exceptionalities	3
EDUC 209 Practicum I (15 hours required of Field)	**0**

METHODS AND MATERIALS BLOCK SEMESTER

EDUC 293 Instructional Design Assessment for Middle/Secondary Ed	3
READ 302 Reading for Content Area (must be admitted to the Program to enroll in this course)	3
EDUC 341 Methods & Materials for Middle Childhood	2
EDUC 342 Methods and Materials Lab for Secondary Teachers	1
SPED 320 Collaborative Techniques for Secondary Students with Exceptionalities	3
EDUC 309 Practicum II (Required 80 Hours of Field)	**0**

Additional student teaching section/s required based on primary specialization. Please see your advisor.

Second Specialization required; You can also specialize in 2 separate areas of 5-9 certifications towards a middle school 5-9 degree/certification.

Field I and Field II must be successfully completed for admission to Practicum I (EDUC 209)

Professional Semester Courses: **

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

3.0 GPA required for all Education Teaching Degrees

Praxis II (Content & Pedagogy Test also required for WV Certification) See Website www.ets.org/praxis/register