**General Science Certification 5-9**

**Curriculum Summary Sheet as of 2019-20 Catalog**

**Major Courses:**

**Required Courses 39**

BIO 124 Biological Principles 3

BIO 125 Biological Principles Lab 1

BIO 140 Life Science I for Elem. & 5-9 Teachers 3

BIO 340 Life Science II for Elem. & 5-9 Teachers (includes 2 hr lab) 4

CHEM 100 Foundations of Chemistry 3

CHEM 101 Foundations of Chemistry Lab 1

GEO 444 Weather & Climate 3

**OR** PHYS 400 Oceanography & Climatology 2

MATH 145 Pre-Calculus 4

PHYS 101 Elementary Physics I 3

PHYS 110 Elementary Physics I Lab 1

PHYS 315 Trends & Issues in Science Education 3

PHYS 340 Physical Science II for Elem/5-9 Teachers (includes 1 hr lab) 4

PHYS 345 Earth & Space Science 3

PHYS 346 Earth & Space Science Lab 1

**Professional Education Component:**

EDUC 100 Intro to Professional Education 1

\*EDUC 207 Foundations of Education 3

EDUC 290 Instructional Technology 3

\*EDUC 301 Educational Psychology 3

SPED 241 Intro to Exceptionalities 3

\*Course contains required field component

**Methods & Materials Block Semester**

EDUC 293 Instructional Design Assessment for Middle/Secondary Ed 3

EDUC 341 M&M Lab for Secondary Teachers 2

EDUC 342 M&M Lab for Secondary Teachers 1

READ 302 Reading for Content Area 3

SPED 320 Collaborative Techniques for Secondary Students w/ Exceptionalities 3

EDUC 309 Practicum II (Field Hours) 0

**Field I & Field II must be successfully completed for admission to EDUC 301**

**Professional Semester Courses:**

EDUC 409 School Law & Organization 1

EDUC 470 Student Teaching Seminar 1

EDUC 484 Student Teaching in MCE 5

**-Admission Requirements: See Teacher Ed Program Student Policy Manual for all requirements**

**-WV required Praxis Scores/Test Codes/Content & Pedagogy Test:** [**www.ets.org/praxis/wv**](http://www.ets.org/praxis/wv)

**-Additional student teaching section/s required based on primary specialization. Second specialization required.**