**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.**