

WVU CURRICULUM SUMMARY SHEET

Date for Reapproval:

Institution Name: West Virginia University

Specialization Name: Biology 9-Adult

Major Code _____ **Area of Emphasis Code:** _____

Program: WVUteach – non- Biology major

Form Completed by: Jeffrey S. Carver

EPPAC Approval Date: 12/20/16

Course Number	Course Title	Credit Hours
	To be taken in conjunction with a B.A. or B.S. Degree in any STEM degree area (STEM is defined as Science Technology Engineering and Mathematics and includes but is not limited to any natural science, math, engineering, computer science, and Agricultural Sciences including Wildlife and Fisheries Resources, Animal and Nutritional Sciences and Environmental and Energy Resources Management)	
	CORE BIOLOGY COURSES (25 hours)	
BIOL 115	Principles of Biology	4
BIOL 117	Introductory Physiology	4
BIOL 219	The Living Cell	4
BIOL 221	Ecology and Evolution	4
BIOL 310	Advanced Cellular/Molecular Biology (or equivalent cellular/molecular biology class)	3
BIOL 436	General Animal Physiology (or equivalent Organismic biology class)	3
BIOL 361	Plant Ecology (or equivalent Evolution and Ecology biology class)	3
	WVUteach REQUIRED COURSES (27 hours)	
ARSC 120	Inquiry Approaches to Teaching (5 hour placement)	1
ARSC 220	Inquiry Based Lesson Design (5 hour placement)	1
UTCH 221	Knowing and Learning in Math and Science	3
UTCH 222	Classroom Interactions in Math and Science (12 hour placement)	3
BIOL 376	Research Methods	3
MATH 318	Perspectives on Mathematics and Science	3
UTCH 420	Project Based Instruction in Mathematics and Science (13 hour placement)	3
UTCH 430	Apprentice Teaching (90 hours + 12 weeks full time Student Teaching) Seminar is included in this class that will meet face to face.	10
	OTHER REQUIRED COURSES (16-20 hours) NOTE: Major requirements may dictate which of the following courses are taken. Please consult with advisor.	
CHEM 115	Fundamentals of Chemistry	4
CHEM 116	Fundamentals of Chemistry	4
PHYS 101 and PHYS 102 OR PHYS 111 and	Introductory Physics 1 and Introductory Physics 2 OR General Physics 1 and	

PHYS 112 OR PHYS 105	General Physics 2 OR Conceptual Physics	4-8
MATH 150	Applied Calculus or equivalent	4
Total Hours		68-72

**WV State
Certification
Requirements:**

- PRAXIS CORE ACADEMIC SKILLS TEST FOR EDUCATORS: Composite Test #5751 (Individual tests are: Reading, #5712; Writing #5722; Mathematics #5732. [NOTE: May be waived if you have already completed a master's degree OR if you scored 26 on the ACT OR if you scored 1125 or 1170(revised) on the SAT.]
- Praxis II #5235, score 152, Biology [NOTE: Successful completion of this assessment is required prior to student teachings; scores must be received prior to the first day of the internship.]
- Praxis II #5624, Principles of Learning and Teaching (PLT) [NOTE: Successful completion of this assessment is required prior to applying for a WV teaching license. Receiving a passing score on this assessment is not required for WVU program completion or for graduation.]

Disclaimer:

Curriculum summary sheets and checklists are subject to change due to program changes and changes made in state certification requirements.