

WVUteach

BIOLOGY 9-ADULT

Teaching changes lives. It is a rewarding profession that makes a difference. If you've ever considered teaching, WVUteach is an innovative program uniting in-depth science and mathematics education with teacher preparation. Science and Mathematics teachers are some of the most sought after high school teachers.

WVUteach is designed to give undergraduate students the opportunity to explore the profession of teaching in STEM fields (science, technology, engineering, and math) in a hands-on way. In your very first semester in the program, you will have the opportunity to develop and teach a lesson in a local classroom. WVUteach allows you to complete a rigorous degree in any STEM field and earn your secondary teaching certification in tandem with your 4-year degree in mathematics or science, one degree, with an additional career option. WVUteach is designed to give you the essential tools to forge change in the next generation.

In WVUteach, you take the same courses as students in non-teaching options, with slight variations. You will be able to compete with students in the non-teaching option for the same jobs and graduate programs in your field. Graduate program prerequisites vary. Students thinking about graduate school should always speak to the Graduate Advisor for the program to determine the coursework expected for applicants.

For more information on licensure requirements please visit our webpage (<http://WVUteach.wvu.edu>) and schedule an appointment with a WVUteach advisor.

Students seeking Biology 9-Adult teaching certification complete the Biology B.A. or B.S. major requirements and the following (27 hours). The WVUteach curriculum can be completed within the 120 hours required for graduation with a B.A. or B.S. in Biology:

WVUTEACH: BIOLOGY 9-ADULT

ARSC 120	Inquiry Approaches to Teaching	1
ARSC 220	Inquiry-Based Lesson Design	1
UTCH 221	Knowing and Learning in Mathematics and Science (GEF 4)	3
UTCH 222	Classroom Interactions in Math and Science	3
UTCH 420	Project-Based Instruction in Mathematics and Science	3
UTCH 430	Apprentice Teaching in Math and Science	10
MATH 318	Perspectives on Mathematics and Science (GEF 5)	3
BIOL 376	Research Methods	3
Total Hours		27

ADDITIONAL COURSEWORK FOR NON-BIOLOGY MAJORS

Select one of the following: 4-8

BIOL 101 & BIOL 103 & BIOL 102 & BIOL 104 or BIOL 115	General Biology and General Biology Laboratory and General Biology and General Biology Laboratory Principles of Biology	
BIOL 117	Introductory Physiology	
BIOL 219	The Living Cell	
BIOL 221	Ecology and Evolution	

Biology B.S. Electives 9-12

Select 3 hours from Cell and Molecular Biology *

Select 3 hours from Organismal Biology **

Select 3 hours from Evolution and Ecology ***

Additional Coursework 24

Geology

Select one of the following sequences:

GEOL 101
& GEOL 102
Planet Earth
and Planet Earth Laboratory

GEOL 103
& GEOL 104
Earth Through Time
and Earth Through Time Laboratory

Physics**Select one of the following sequences:**

PHYS 101 & PHYS 102	Introductory Physics and Introductory Physics
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PHYS 111 & PHYS 112	General Physics and General Physics
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PHYS 112 or PHYS 105	General Physics Conceptual Physics
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Mathematics

MATH 150 or MATH 155	Applied Calculus Calculus 1
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- * Please see Biology B.S. (http://catalog.wvu.edu/undergraduate/eberlycollegeofartsandsciences/biology/biology_bs) page for more information regarding these requirements.
- ** The following courses may fulfill this requirement: EXPH 386, EXPH 387, NBAN 301, ANPH 301, ANPH 424, WMAN 330, or WMAN 426. These are not included in the **Organismal Biology** requirement in the Biology B.S. (http://catalog.wvu.edu/undergraduate/eberlycollegeofartsandsciences/biology/biology_bs) program.
- *** The following courses may fulfill this requirement: BIOL 301, BIOL 338, BIOL 351, BIOL 361, BIOL 363, BIOL 420, BIOL 446, BIOL 455, BIOL 461, BIOL 463, BIOL 464, BIOL 477, AEM 401, GEOL 331, WMAN 313, WMAN 314, WMAN 425, WMAN 446, OR WMAN 449. These are not included in the **Evolution and Ecology Biology** requirement in the Biology B.S. (http://catalog.wvu.edu/undergraduate/eberlycollegeofartsandsciences/biology/biology_bs) program.