

Tennessee Technological University
 Additional Endorsement Program
 Secondary Science Education (Grades 7-12)
 Biology - Endorsement Code 415

General Core

SEED 4123 Or 5123	Materials & Methods of Teaching Science	3	
FOED 3820	Field Experience in Education	1	
	Or CUED 6800 Field Experience		

General / Physical Science Core

Science Sequence (Biology or Chemistry or Physics or Geology)		8-12	
Two courses, one in each of the areas not taken as a sequence		6-8	
	GEOL 1310 Concepts of Geology		
	Or GEOL 1040 The Dynamic Earth		
	CHEM 1310 Concepts of Chemistry		
	Or CHEM 1110 General Chemistry I		
	PHYS 1030 Concepts of Physics		
	Or PHYS 2010 Algebra-based Physics I		
	Or PHYS 2110 General Physics I		

Science Specialization - Biology

BIOL 1010 & 1020	Intro to Biology I & II	8	
BIOL 3130	General Ecology	4	
	Or BIOL 3550 Ecology		
BIOL 3810	General Genetics	4	
	Or BIOL 3100 Genetics		
BIOL 2350	Intro Anatomy & Physiology	4	
MATH 1830	Concepts of Calculus	3	

RODP Program (ONLINE)

This endorsement is also available online by taking the following RODP classes

BIOL 1110 & 1120	General Biology I & II	8	
BIOL 3550	Ecology	4	
BIOL 3100	Genetics	4	
BIOL 4417	Teaching Science in Secondary Schools (on ground lab component)	4	
BIOL 4418	Methods of Teaching Biology	2	