

Bachelor of Science in Education

Biology – 124 Hours

Student: _____
Advisor: _____

TCU CORE CURRICULUM – 39 hours

Human Experiences and Endeavors

Humanities - 9 hours	Substitution	Gr	Hr
Religion (RT)			
English Literature (LT)			
English Literature			
Social Sciences -9 hours			
HIST 10603 (HT)			
HIST 10613			
POSC 10133 Am&Tx Government (CSV)			
Natural Sciences - 6 hours			
BIOL 20204 suggest NTDT 10003 or Lab Science PHYS 10273 for (GA)	(see major)		
Fine Arts - 3 hours			
TOTAL HOURS			

Essential Competencies

Mathematical Reasoning - 3 hours from:	Substitution	Gr	Hr
MATH 10033 Topics in Math MATH 10043 Elementary Statistics MATH 10524 Calculus I MATH 20524 Calculus II	(see major)		
Oral Communication - 3 hours from:			
COMM 10123 Basic Speech Comm COMM 10133 Business & Prof Speaking			
Written Communication - 6 hours			
ENGL 10803 Introductory Comp ENGL 20803 Intermediate Comp			
Writing Emphasis: EDUC 30013 & 50553			
TOTAL HOURS			

Secondary School Education - 37 semester hours

Pre-Admission to COE: 9 hours	Substitution	Gr	Hr
EDUC 20003 CI: Teaching & Learning			
EDUC 41113 Schools, Curr, & Society			
EDSE 30103 Developmental Psychology of Adolescence			

Junior Year: 14 hours			
EDUC 30113 Digital Literacy & Citizenship			
EDUC 30123 Educational Psychology			
EDUC 30603 Study of Exceptional Students			
EDUC 40213 Promoting Literacy			
EDSE 41151 Field Experience			
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Senior Year/ Semester 1: 8 hours			
EDUC 50663 Motivating & Managing			
EDSE 51103 Assessment			
EDSE 30001 Professional Practice Seminar			
EDSE 41151 Field Experience			

Senior Year/Semester 2: 6 hours			
EDSE 40986 Student Teaching - 6 hrs reqrd <i>Student Teaching is a 12 week full time experience so students should plan to have all other coursework completed prior to entering the student teaching semester.</i>			
TOTAL HOURS			

Major: Biology 47-49 semester hours

Course #	Substitution	Gr	Hr
BIOL 10003 Contemporary Issues Biology			
BIOL 10504 Introduction to Biology I			
BIOL 10514 Introduction to Biology II			
BIOL 30403 Ecology & Environment			
BIOL 30603 Cellular Molecular & Dev Biol			
BIOL 20233 Basic Microbiology			
BIOL 30703 Plant Systematics			
BIOL 30613 Natural History			
MATH 10524 Calculus I or MATH 20524 Calculus II			
CHEM 10113 General Chemistry and CHEM 10125 General Chemistry			
Select TWO courses from the following:			
BIOL 20204 Anatomy & Physiology BIOL 40313 Biogeography BIOL 50246 (2 sem) Biodiversity BIOL 40443 Environmental Biology BIOL 30233 Economic Botany BIOL 30404 Comparative Vertebrate Anat			
EDSE 50553 Secondary Science Methods			
TOTAL HOURS			

Electives to complete the 124 requirement

Course #	Substitution	Gr	Hr
TOTAL HOURS			

Hours	Required	Completed	In Progress	Needed
CORE	39			
Education	22			
Associated	12			
Major	47-49			
Electives				
TOTAL	124			

For graduation, TCU requires 58 hours of course work taken in residency (60 for honors) and 42 hours in advanced courses numbered 30000 or above.

Residency	58			
Upr Div Hrs	42			

- Religious Traditions (RT) 3 hrs
- Historical Traditions (HT) 3 hrs
- Literary Traditions (LT) 3 hrs
- Cultural Awareness (CA) 3 hrs – at TCU only
- Global Awareness (GA) 3 hrs – at TCU only
- Citizenship and Social Values (CSV) 3 hrs – at TCU only