Bachelor of Science in Education Physics/Math – 124 hours

Student:		
Advisor:		

TCU CORE CURRICULUM - 39 hours

Human Experiences and Endeavors			
Humanities - 9 hours	Substitution	Gr	Hr
Religion (RT)			
English Literature (LT)			
Humanities			
Social Sciences -9 hours			
HIST 10603 (HT)			
Social Science			
Social Science			
Natural Sciences - 6 hours			
Lab Science			
PHYS 10273 (GA) See Major			
Fine Arts - 3 hours			

Essential Competencies

Essential Competencies			
Mathematical Reasoning - 3 hours from:	Substitution	Gr	Hr
MATH 10033 Topics in Math			
MATH 10043 Elementary Statistics	(see major)		
MATH 10524 Calculus I			
MATH 20524 Calculus II			
Oral Communication - 3 hours from:			
COMM 10123 Basic Speech Comm			
Written Communication - 6 hours			
ENGL 10803 Introductory Comp			
ENGL 20803 Intermediate Comp			
Writing Emphasis: EDUC 41113 & 50453			
TOTAL HOURS			

School Education - 46 semester hours

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

Junior Year: 23 hours		
EDUC 30603 Study of Exceptional Students		
EDUC 30123 Educational Psychology		
EDUC 40213 Promoting Literacy		
EDSE 30113 Digital Literacy		
EDSE 50443 Methods of Secondary Math I		
EDSE 50453 Methods of Secondary Math II		
EDSE 50553 Secondary Science Methods		
EDSE 41151 Field Experience		
EDSE 41151 Field Experience		

Senior Year/Semester 1: 8 hours		
EDUC 50663 Motivating & Managing		
EDSE 51103 Assessment		
EDSE 41151 Field Experience		
EDUC 30001 Professional Practice Seminar		
Senior Year/Semester 2: 6 hours		
EDSE 40986 Student Teaching - a 14 week full time experience; students should plan to have all other coursework completed prior		
to entering the student teaching semester. TOTAL HOURS		

Major: Secondary School Physics/Math

37 semester hours

37 semester hours			
Course #	Substitution	Gr	Hr
PHYS 10154 - General Physics I with			
Laboratory (algebra-based),			
PHYS 10164 - General Physics II with			
Laboratory (algebra-based)			
Select 18 hours with 6 hours upper division:			
PHYS 10263 - Cosmic Origins (HT) or			
PHYS 10283 - Intro Astronomy: Stars &			
Galaxies			
PHYS 10273 - Intro Astronomy: Earth &			
Planets (GA)			
PHYS 10293 - Archaeoastronomy (CA)			
PHYS 10901 - Freshman Seminar			
PHYS 10503 - Energy			
PHYS 30113 - Intermediate Astronomy			
PHYS 30123 - Observational Astronomy			
PHYS 30163 – Explore the Solar System			
PHYS 30473 - How the Human Body			
Works			
PHYS 30483 - Physics III Laboratory			
PHYS 30493 - Physics III Modern Physics			
PHYS 30843 - Biomedical Imaging			
MATH 10043 Elementary Statistics			
MATH 10524 Calculus I			
MATH 20524 Calculus II			

Electives to complete the 124 hour requirement

Course #	Substitution	Gr	Hr
TOTAL HOURS			

Hours	Required	Completed	In Progress	Needed
CORE	39			
Education	46			
Major	37			
Electives	2			
TOTAL	124			

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For graduation, TCU requires 58 hours of course work taken in residency (60 for honors) and 42 hours in advanced courses numbered 3000 or above.

Residency	58		
Upr DivHrs	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