

Student Name

Date Plan was updated:

TCU ID #

Advisor

Educational Studies: Science Education PhD

A Ph.D. is a research degree. It is awarded for demonstrating competence in research by successfully defending a dissertation. The emphasis is on developing knowledge and skills in science education that result in the ability to conduct original research in science education. A general program of study is outlined below. Students are required to take a suitable number and variety of graduate courses and research apprenticeships to prepare them for the qualifying examination and for the writing of the dissertation. Depending on the graduate history of the student, the program would require 53- 56 hours of coursework after acceptance into the program. The Ph.D. in Educational Studies: Science Education includes the following components.

Courses:

Science Education

Students take EDSC 70011 Colloquium in the Profession of Science Education for one hour in the first and second year (2 hours), and four to five other science education courses (12 or 15 hours) for the equivalent of 14 to 17 hours.

<i>Course</i>	<i>Course Title</i>	<i>Term Enrolled</i>	<i>Hours</i>	<i>Grade</i>
EDSC 70011	Colloquium in the Prof. of Sc. Ed.			
EDSC 60333	Theory and Pedagogy			
EDSC 60810	Seminar: Sp.Topics in Science Ed.			
EDSC 60033	Academic Language Dev. in Science			
EDSC 60053	Internship in Informal Setting			
EDSC 70033	Scientific Inquiry/Nature Science			
EDSC 70043	Science in Global Community			
EDSC 70053	History and Philosophy of Science			
EDSC 70073	Learning Progressions in Science			
Electives: Students will take three to four courses (9 to 12 hours) with the approval of the advisor.				

Research

Students take the equivalent of 15 hours of research coursework as approved by the adviser in the College of Education.

All students take EDUC 70960: Apprenticeship in Research and four other research courses.

<i>Course</i>	<i>Course Title</i>	<i>Term Enrolled</i>	<i>Hours</i>	<i>Grade</i>
EDUC 60043	Action Research			
EDUC 60823	Educ. Program Evaluation & Research			
EDUC 70953	Research in Education			
EDUC 70960	Apprenticeship in Research			
EDUC 70963	Qualitative Inquiry			
EDUC 70973	Advanced Qualitative Inquiry			
EDUC 70983	Intro to Quantitative Research			
EDUC 70823	Inquiry Seminar			

Science Content

Students take the equivalent of 9 hours of coursework that qualify for science content as approved by the adviser in the College of Education.

<i>Course</i>	<i>Course Title</i>	<i>Term Enrolled</i>	<i>Hours</i>	<i>Grade</i>

Dissertation Research:

Students propose and conduct original research, write a dissertation and defend the dissertation in a final oral examination.

<i>Course</i>	<i>Course Title</i>	<i>Term Enrolled</i>	<i>Hours</i>	<i>Grade</i>
EDUC 90980	Dissertation			
EDUC 90990	Dissertation			

Substitutions:

<i>Course</i>	<i>Course Title</i>	<i>Term Enrolled</i>	<i>Hours</i>	<i>Grade</i>

Course work that counts toward degree:

<i>Course</i>	<i>Course Title</i>	<i>Term Enrolled</i>	<i>Hours</i>	<i>Grade</i>

I have conferred with my advisor and understand the course requirements of my program of study.

Student Signature

Date

This program of study was reviewed with the graduate student. The graduate student is recommended for candidacy.

Advisor Signature

Date

Jan Lacina, Associate Dean, Graduate Studies

Date

Note: In the event that a student should seek to change their program of study, it will be necessary to have all changes approved by the Advisor and Associate Dean of Graduate Studies. A brief description of the approved changes should be included in the exception form.