

GRADUATE COUNCIL: PROPOSAL FOR CHANGE IN EXISTING COURSE/PROGRAM

Originating Unit

Type of action: change in course change in program

Type of change requested:

Number

Course Title

Description

Prerequisite(s) Program

Drop Course

Requirements

Drop Program*

Other, please specify

**A SACSCOC Drop Program Justification form will need to be completed*

Semester and year course/program will take effect:

Course instructional methodology:

course component types: [ugradcouncil.tcu.edu/forms/Course Component Types.pdf](http://ugradcouncil.tcu.edu/forms/Course%20Component%20Types.pdf)

Current name:

Proposed name:

Appropriate computer abbreviation (30 spaces or less):

Programs Only

Current program code:

(ex:EDCE-PHD)

Proposed code (list 2)

or

Current CIP code:

Does the change require a new or change in CIP code: Yes No

If yes, what is the proposed new CIP code:

*for reference please visit: nces.ed.gov/ipeds/cipcode/resources.aspx?y=56

Is the program already considered TCU STEM: Yes No

Does the change include a request to be a TCU STEM program: Yes No

Description of change (omit if dropping a course or program):

Present Catalog Copy

Environmental Science, MS

Requirements

The Master of Science in Environmental Science requires at least 30 semester hours with a thesis. These semester hours are made up as follows:

Required Courses:

ENSC 60203	Environmental Issues	3
ENSC 50703	Environmental Compliance	3
	OR	
ENSC 50693	Natural Resources Compliance	3
BIOL 60001	Scientific Presentation	1
	OR	
ENSC 60001	Environmental Presentations	1
ENSC 60011	Literacy of Science Review	1
ENSC 60021	Oral Examination	1
ENSC 70980	Thesis (3 hours)	1-3
ENSC 70990	Thesis (3 hours)	1-3
Electives	Approved Electives	15

Environmental Science, MA

Requirements (Non-Thesis)

The Master of Arts in Environmental Science requires at least 36 semester hours made up as follows:

Required Courses (9 semester hours)

ENSC 50703	Environmental Compliance	3
ENSC 50693	Natural Resources Compliance	3
BIOL 60001	Scientific Presentation	1
	OR	
ENSC 60001	Environmental Presentations	1
ENSC 60011	Literacy of Science Review	1
ENSC 60021	Oral Examination	1
ENSC 60203	Environmental Issues	3

Environmental Management, MEM

Required (Core) Courses (30 semester hours)

The required core courses have been developed to account for a full range of physical, biological, societal, legal and economic principles essential for environmental problem solving. The core courses are generally designed to accommodate varying levels of knowledge.

BIOL 50103	Terrestrial Ecosystems	3
	OR	
BIOL 50703	Ecology of Lakes and Streams	3
	OR	
ENSC 50783	Environmental Chemistry	3
GEOL 50493	Physical Hydrology	3
ENSC 50693	Natural Resources Compliance	3
ENSC 50703	Environmental Compliance	3
ENSC 60011	Literacy of Science Review	1
ENSC 60021	Oral Examination	1
ENSC 60001	Environmental Presentations	1
ENSC 60203	Environmental Issues	3
ACCT 60010	Financial Reporting	1.5
ACCT 60020	Accounting for Managerial Planning and Control	1.5
MANA 60330	Engaging People	1.5
MANA 60340	Leading Teams and Orgs	1.5
MANA 60460	Business Ethics	1.5
MANA 70610	Essentials of Negotiation	1.5

Proposed Catalog Copy:

Environmental Science, MS

Requirements

The Master of Science in Environmental Science requires at least 30 semester hours with a thesis. These semester hours are made up as follows:

Required Courses:

ENSC 60203	Environmental Issues	3
ENSC 50703	Environmental Compliance	3
	OR	
ENSC 50693	Natural Resources Compliance	3
BIOL 60001	Scientific Presentation	1
	OR	
ENSC 60001	Environmental Presentations	1
ENSC 70351	Publication Writing	1
ENSC 60021	Oral Examination	1
ENSC 70980	Thesis (3 hours)	1-3
ENSC 70990	Thesis (3 hours)	1-3
Electives	Approved Electives	15

Environmental Science, MA

Requirements (Non-Thesis)

The Master of Arts in Environmental Science requires at least 36 semester hours made up as follows:

Required Courses (9 semester hours)

ENSC 50703	Environmental Compliance	3
ENSC 50693	Natural Resources Compliance	3
BIOL 60001	Scientific Presentation	1
	OR	
ENSC 60001	Environmental Presentations	1
ENSC 70351	Publication Writing	1
ENSC 60021	Oral Examination	1
ENSC 60203	Environmental Issues	3

Environmental Management, MEM

Required (Core) Courses (30 semester hours)

The required core courses have been developed to account for a full range of physical, biological, societal, legal and economic principles essential for environmental problem solving. The core courses are generally designed to accommodate varying levels of knowledge.

BIOL 50103	Terrestrial Ecosystems	3
	OR	
BIOL 50703	Ecology of Lakes and Streams	3
	OR	
ENSC 50783	Environmental Chemistry	3
GEOL 50493	Physical Hydrology	3
ENSC 50693	Natural Resources Compliance	3
ENSC 50703	Environmental Compliance	3
ENSC 70351	Publication Writing	1
ENSC 60021	Oral Examination	1
ENSC 60001	Environmental Presentations	1
ENSC 60203	Environmental Issues	3
ACCT 60010	Financial Reporting	1.5
ACCT 60020	Accounting for Managerial Planning and Control	1.5
MANA 60330	Engaging People	1.5
MANA 60340	Leading Teams and Orgs	1.5
MANA 60460	Business Ethics	1.5
MANA 70610	Essentials of Negotiation	1.5

Supporting evidence or justification:

Explain how the change(s) will affect the current outcomes and assessment mechanisms?

Additional resources required

Faculty:

Space:

Equipment:

Library:

Financial Aid:

Other:

Change in teaching load:

Does this change affect any other units of the University? Yes No

If yes, submit supporting statement signed by chair of affected unit.

If cross-listed, provide evidence of approval by all curriculum committees appropriate to both the originating and the cross-listed units.

Chair of Originating Unit:

Name:

Unit:

Signature:

New Course to be added:

ENSC 70351 Publication Writing

Prerequisites: Enrolled in the Environmental Sciences or Biology graduate program. One hours seminar per week for 15 weeks. Graduate students will learn how to produce a scientific research publication based on their own research. This seminar class will include an introduction to using Web of Science, available library resources, selecting the appropriate journal, manuscript structure and formatting, and using reference software (such as Endnote). Such skills will aid thesis development and potentially lead to the production of a submittable manuscript.

Course to be removed:

ENSC 60011 Literacy of Science Review

Prerequisites: Candidacy for a Masters Degree in Environmental Science. The goal of this course is to acquaint the student with the demands of real-world projects and deadlines. The student will be given a topic within the realm of their environmental education, and will be tasked with writing a 2000-word research paper within 48-hours on the topic.