CURRICULUM FOR MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE
STEPHEN F. AUSTIN STATE UNIVERSITY

Core Courses
ENV 502 Environmental Contaminant Management (3)
ENV 504 Advanced Environmental Health and Safety (3)
ENV 510 Environmental Risk Assessment (2)
ENV 525 Environmental Policy and Regulation (3)
ENV 570 Graduate Seminar (1)
GIS 551 Introduction to GIS and Geospatial Analysis (3)

15 hours

Select one of the following:
FOR 517 Biometrics (3)
STA 520 Statistical Analysis (3)
3 hours

Select one for thesis option*
Select all three for non-thesis option*
ENV 503 Remediation and Reclamation of Disturbed Land (3)
ENV 512 Environmental Hydrology (3)
ENV 550 Air Quality Assessment (3)
3 hours thesis option
9 hours non-thesis option

Thesis option
ENV 590 Thesis (3)
6 semester hours

Select 9 hours of electives for thesis and non-thesis options**
Electives
AGR 508 Soil-Plant Relationships
BIO 502 Aquatic Vascular Plants
BIO 503 Plant Ecology
BIO 508 Microbial Ecology
BIO 522 Plant Geography
BIO 538 Advanced Ichthyology
BIO 550 Advanced Limnology
BIO 556 Scanning Electron Microscopy
BIO 560 Aquatic Ecology
CHE 521 Advanced Analytical Chemistry
CHE 526 Topics in Analytical Chemistry
CHE 572 Advanced Environmental Chemistry
ENV 503 Remediation and Reclamation of Disturbed Land
ENV 507 Water Resource Management
ENV 514 Wetland Delineation and Functional Assessment
ENV 550 Air Quality Assessment
ENV 560 Internship in Environmental Science
ENV 571 Special Topics in Environmental Science
ENV 575 Advanced Graduate Studies in Environmental Science
FOR 510 Research Methods in Forestry
FOR 521 Advanced Landscape Ecology
FOR 523 Plant Water Relations
FOR 535 Forest Soils

Electives (Continued)
FOR 545 Forest and Range Ecology Concepts
GIS 500 GIS Programming
GIS 552 Digital Remote Sensing
GIS 553 GIS and Geospatial Analysis
GIS 555 Aerial Photo Interpretation
GIS 649 Digital Image Processing
GOL 508 Depositional Systems
GOL 520 Geochemistry
GOL 521 Environmental Techniques
GOL 549 Applied Hydrogeology
GOL 551 Hydrogeology Field Techniques
GOL 559 Contaminant Hydrology
GOL 550 Cave and Karst Systems
9 hours

36 total hours for thesis and non-thesis options

* Requirements may be replaced with approved electives for students with the SFA Bachelor of Science Environmental Science degree
** Additional electives may be used with approval of major professor and graduate committee

Minimum Prerequisites***
Bachelor’s Degree, preferably in a science related area
8 semester hours of Chemistry
6 semester hours of Biology (minimum one lab course required)
3 semester hours college algebra or higher mathematics
***Students without all of the prerequisites may be considered for admission on a provisional basis until the deficiencies are corrected. Additional leveling courses may be required.

Contact:
Dr. Kenneth Farrish, Director
Division of Environmental Science
Stephen F. Austin State University
P.O. Box 13073, SFA Station
Nacogdoches, TX 75962
(936) 468-2475 or (936) 468-2331
kfarrish@sfasu.edu
http://environmental.sfasu.edu/