CURRICULUM FOR MASTER OF SCIENCE IN ENVIRONMENTAL SCIENCE

Common Core (12 hrs.)
- ENV 510 Risk Assessment (Fall) (2 credits)
- ENV 504 Occupational and Environmental Health (Fall)
- ENV 525 Environmental Policy and Regulations (Spring)
- ENV 570 Graduate Seminar (Spring) (1 credit)

And select one of the following:
- FOR 517 Biometrics (Fall & Spring)
- STA 520 Statistical Analysis (Fall)

SPECIALIZATION TRACKS

Track One:
OCCUPATIONAL AND ENVIRONMENTAL HEALTH

COMMON CORE (12 hrs.)
- Required Track Courses (12 hrs.)
  - ENV 500 Survey in Environmental Toxicology
  - ENV 520 Industrial Hygiene, Safety and Ergonomics
  - ENV 540 Advanced Occupational and Environmental Health
  - ENV 542 General Principles of Epidemiology
- Select 12 hrs. for non-thesis or 6 hrs. for the thesis option from the following:
  - ENV 522 Industrial Hygiene Sampling and Analysis
  - ENV 524 Toxicology and Global Health
  - ENV 526 Industrial Hygiene Internship
  - ENV 544 Social and Behavioral Aspects of Community Health
  - ENV 546 Health Service Management and Administration
  - ENV 560 Internship in Environmental Science
  - ENV 575 Advanced Graduate Studies in Environmental Science
- Thesis Option (6 hrs. ENV 590 Thesis)
- TOTAL 36 semester hours

Track Two:
LAND AND WATER RESOURCES

COMMON CORE (12 hrs.)
- Required Track Courses (6 hrs.)
  - GIS 551 Introduction To GIS and Geospatial Analysis (Fall)
  - ENV 502 Environmental Waste Management (Summer)
- Select 18 hrs. for non-thesis or 12 hrs. for thesis option:
  - AGR 508 Soil-Plant Relationships
  - BIO 502 Aquatic Vascular Plants
  - BIO 508 Microbial Ecology
  - BIO 538 Advanced Ichthyology
  - BIO 550 Advanced Limnology
  - BIO 560 Aquatic Ecology
  - BIO 561 Waste Water Analysis
  - CHE 521 Advanced Analytical Chemistry
  - CHE 526 Topics in Analytical Chemistry
  - CHE 572 Advanced Environmental Chemistry 1
  - ENV 500 Survey in Environmental Toxicology
  - ENV 503 Remediation and Reclamation of Disturbed Land
  - ENV 507 Water Resource Management
  - ENV 508 Microbial Ecology
  - ENV 510 Advanced Graduate Studies in Environmental Science
  - ENV 514 Wetland Delineation and Functional Assessment
  - ENV 530 Ecotoxicology
  - ENV 550 Air Quality Assessment
  - ENV 560 Internship in Environmental Science
  - ENV 570 Graduate Seminar
  - ENV 571 Special Topics in Environmental Science
  - ENV 575 Advanced Graduate Studies in Environmental Science
  - FOR 409 Forest Hydrology
  - FOR 518 Applied Regression Analysis in Natural Resources
  - FOR 521 Advanced Landscape Ecology
  - FOR 523 Plant Water Relations
  - FOR 535 Forest Soils
  - FOR 545 Forest and Range Ecology Concepts
  - FOR 557 Ecological Field Methods
  - 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
- Thesis Option (6 hrs. ENV 590 Thesis)
- TOTAL 36 semester hours

Contacts:
Dr. Kenneth Farrish, Director
Division of Environmental Science
Stephen F. Austin State University
P.O. Box 13073, SFA Station
Nacogdoches, TX 75962
(936) 468-2331 or (936) 468-3301
kfarrish@sfasu.edu
http://environmental.sfasu.edu/

Dr. Larry Lowry, Director
Environmental Science Program
University of Texas Health Science Center - Tyler
11937 US Hwy 271
Tyler, TX 75708 – 3154
(903) 877-5636
Larry.Lowry@uthct.edu
http://www.tiosh.org/education_envscience.asp

Minimum Prerequisites* (both tracks)
- 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.

*Additional courses may be approved by the students' graduate committee

rev 08/15