

**College of Basic and Applied Sciences
Upper Division Form 2009-2011 Catalog**

Student name _____ Student # _____
 Major **Environmental Science and Technology** Minor _____
 Concentration **Energy Technology** E-mail _____

Instructions: For students who will graduate in Fall 2009 or later. *One (1) copy signed by major and minor advisors should be filed in the Records Office three semesters prior to graduation. An Intent to Graduate form should accompany this form.*

General Education	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030					3
					3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose 1: ENGL 2020, 2030 or HUM 2610. Choose 2 with different prefixes: ANTH 2210, ART 1030, 1910 or 1920, DANC 1000, HIST 1010, 1020, 1110, or 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours)	MATH 1910			Fourth credit counts in Supporting courses	3 of 4
NATURAL SCIENCES (8 hours)	BIOL 1110/11			Also considered part of major	4
	CHEM 1110/11			Also considered part of major	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different prefixes): AAS 2100, ANTH 2010, ECON 2410, GEOG 2000, GS 2010, HLTH 1530/31, JOUR/EMC/RIM 1020, PS 1010 or 2010, PSY 1410, SOC 1010, SOC 2010, WMST 2100					3
					3
Hours Required					41

Major Courses (2.0 GPA required)	Course	Semester	Grade	Notes	Credit Hours
Soils Analysis	ABAS 3370				3
General Biology	BIOL 1110/11			Credit counted in Gen Ed.	(4)
General Biology	BIOL 1120/21				4
General Chemistry	CHEM 1110/11			Credit counted in Gen Ed.	(4)
General Chemistry	CHEM 1120/21				4
Elements of Organic Chemistry	CHEM 2030/31				4
Introduction to Environmental Science	EST 2810				3
EST 4770 Pollution Control Technology or EST 4780 Air, Solids, and Noise Pollution Technology	EST ____				3
Energy and the Environment	EST 4810				3
Solar Design	EST 4820				3
Energy Auditing	EST 4840				3
Introduction to Electricity and Electronics	ET 3610				4
Principles of Electricity	ET 3615				4
Engineering Thermodynamics and Heat Transfer	ET 3810				3
ET 4420 Industrial Safety or BIOL 3220 Environmental Regulations	_____				3
Heating, Ventilation, and Air Conditioning	ET 4815				3
Engineering Economy	ET 4970				3

Internship	ETIS 3920				3
GEOL 1040/41 Physical Geology <u>or</u> ABAS 3340 Soil				(See advisor)	3-4
Hydrogeology	GEOL 4130				4
Geographic Information Systems	GEOG 4530				3
Calculus I	MATH 1910			Credits counted in Gen Ed.	(4)
Probability and Statistics	MATH 2050				3
Physics I	PHYS 2010				0
Physics Problems Laboratory I	PHYS 2011				4
Physics II	PHYS 2020				0
Physics Problems Laboratory II	PHYS 2021				4
PHYS courses (see advisor)	PHYS__				4
Hours Required					78-79 (90-91)

Supporting and Elective Courses				
Course	Semester	Grade	Notes	Credit Hours
Math 1910 credit from General Education Requirement				1
Hours Required				1

Optional Minor				
Course	Semester	Grade	Notes	Credit Hours
Hours Required				
Signed:				
	Minor Advisor			Date

- Degrees require a minimum of 120 semester hours (12 of the last 18 at MTSU) with a 2.0 GPA, a minimum of 42 upper-division hours (30 at MTSU) with a 2.0 GPA, and a minimum of 60 senior college hours.
- Remedial courses do not count toward the 120-hour requirement or cumulative degree GPA.

Signed:		
	Major Advisor	Date

Student's local address:
to which graduation analysis
information should be sent: _____

