## West Texas A&M University **Advising Services Degree Checklist** 2013-2014

(For assistance completing this form, contact Advising Services at 806-651-5300)

NAME:

\_\_\_\_\_ WT ID:\_\_\_\_\_ DATE:\_\_\_\_\_

## **Environmental Engineering School of Engineering and Computer Science** ECS Building, Room 119 651-5257

CORE CURRICULUM COURSES: 42 HOURS + Specific course(s) required for this major are listed in the next	HRS				
section.	_		_		
Communication (10)	1				
ENGL 1301 (ENG 101) Composition and Reading	3				
See University Core Requirements below	(3)				
Communication (11)					
COMM 1315 (SCOM 101, 1315) or 1321 (SCOM 201, 1321)	3				
Mathematics (20)		_			
See University Core Requirements below	(4)				
Natural Sciences (30)	1				
See University Core Requirements below	(8)				
Humanities (40-41)       ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311 (110),       2323, 2372 (210); MCOM 1307 (MC 107); PHIL 1301 (101), 2374       (204); SPAN 2312*/** (207) or SPAN 2315*/**       Choose 1	3				
Visual and Performing Arts (50)					
HUMA 1315 (FA 101); ARTS 1303 (ART 151), ARTS 1304 (ART 152); DANC 2303; MUSI 1306 (MUS 101) or 1208 and 1209*; or THRE 1310 (105) Choose 1	3				
Social and Behavioral Sciences (60)	1				
HIST 1301 (201) or 1303; 1302 or 1304; 2301; 2381 Choose 2	6				
Social and Behavioral Sciences (70)					
POSC 2305 (101) or 2370; 2306 (102)	6				
Social and Behavioral Sciences (80)	Ŭ				
AGBE 2317* (213); ANTH 2351 (201); CRIJ 1301 (CJ 105); ECON 2301 (ECO 201), 2302 (ECO 202); GEOG 1302 (202); PSYC 2301 (PSY 201); COMM 2377 (SCOM 255, 2377); SOCI 1301 (201); or SOCW 2361 (SOWK 201) Choose 1 Institutionally Designated Option (90)	3				
ANSC 2370; CIDM 1105, 1301 ( <i>CIS, IDM 1301</i> ), 1315 ( <i>CIS, IDM 1315</i> ), 2345; CS 1301; IDS 1071; PHIL 2303 ( <i>203</i> ) Choose 1	1-3				
100 HOURS	EVIRONMENTAL ENGINEERING MAJOR REQUIREMENTS:				
UNIVERSITY CORE REQUIREMENTS: 15 HOURS					
CORE 10 ENGL 2311* (ENG 270) Introduction to Professional and Technical Communication	3				
CORE 20 MATH 2413* (240) Calculus I	4				
<u>CORE 30</u> CHEM 1411*, 1411L (101,101L) Chemistry I <b>AND</b> CHEM 1412*, 1412L (102, 102L) Chemistry II	8				
ENGRINEERING CORE REQUIREMENTS: 18 HOURS					
ENGR 1301*,1301L (ENGR 101, 1201) Fundamentals of Engineering	3				
ENGR 1304 (125), 1304L (125L) Engineering Graphics	3				
ENGR 1375 (115), 1375L (115L) Principles of DC and AC Circuits	3				
ENGR 2301* (230) Engineering Statics	3				
ENGR 2302* (240) Engineering Dynamics	3				
CS 1315* Programming Fundamentals	3				

## **Bachelor of Science Degree** BS.EVEG.ENGR (135)

EVEG 2331* (CENG 3331) Intro. to Environmental Engineering3EVEG 3404* Intro. To Fluid Mechanics for Civil and Environmental Engineers4EVEG 3311* Hydrology and Hydraulics3EVEG 3342* Principles of Water and Wastewater Treatment3EVEG 3343* Principles of Air Pollution Monitoring and Control3EVEG 3344* Principles of Solid and Hazardous Waste Management3EVEG 3361* Modeling for Environmental Engineering3EVEG 4381* Environmental Engineering Design I3EVEG 4382* Environmental Engineering Design II3EVEG 4382* Environmental Engineering Research OR EVEG 4097* Environmental Engineering Internship3Take 3 hours from: EVEG 4097* Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship3Take 3 hours from: ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)3MATH AND SCIENCE REQUIREMENTS: 34 HOURS3MATH 2414* (241) Calculus II4MATH 3340* (340) Calculus III3MATH 4361* (461) Engineering Statistics3PHYS 2425* (210), 2425L (210L) Calculus Physics I4Take 8 hours from: ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)6Cisc 400, Cast 4421, 44116Cisc 400, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 45108Take 8 hours from: ENVR 4301* (ESC 403), 3313; GEOL 1403, 1404, 3312, 3350; SES 2411, 43114	ENVIRONMENTAL ENGINEERING REQUIREMENTS: 28 HOURS				
Environmental Engineers4EVEG 3311* Hydrology and Hydraulics3EVEG 3342* Principles of Water and Wastewater Treatment3EVEG 3343* Principles of Air Pollution Monitoring and Control3EVEG 3344* Principles of Solid and Hazardous Waste Management3EVEG 3361* Modeling for Environmental Engineering3EVEG 4381* Environmental Engineering Design I3EVEG 4382* Environmental Engineering Design II3EVEG 4097* Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship3Take 3 hours from: EVEG 4098* Environmental Engineering Internship3EVEG 4098* Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship3Take 3 hours from: ENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG 43413MATH 2414* (241) Calculus II4MATH 3340* (340) Calculus III3MATH 2414* (241) Calculus III3MATH 3342* (342) Differential Equations I3MATH 4361* (461) Engineering Statistics3PHYS 2425* (210), 2425L (210L) Calculus Physics I4Take 6 hours from: ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 405)6Take 8 hours from: ENVR 4301* (447*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 45108Take 8 hours from: ENVR 4301* (ESC 4331*; GEOL 1403, 1404, 3312, 3350; PSES 2411, 43113	EVEG 2331* (CENG 3331) Intro. to Environmental Engineering	3			
EVEG 3342*Principles of Water and Wastewater Treatment3EVEG 3343*Principles of Air Pollution Monitoring and Control3EVEG 3344*Principles of Solid and Hazardous Waste Management3EVEG 3361*Modeling for Environmental Engineering3EVEG 4381*Environmental Engineering Design I3EVEG 4382*Environmental Engineering Design II3GENERAL ENGINEERING ELECTIVES:9 HOURSTake 3 hours from: EVEG 4097*3EVEG 4097*Environmental Engineering Research OR EVEG 4098*3EVEG 4097*Sal1* (311), 3312* (312), 3320*, 4321* (421);EVEG EVEG 4341Take 3 hours from: ENGR 4311*;EVEG 4340*;3MATH AND SCIENCE REQUIREMENTS:3MATH 2414* (241)Calculus II4MATH 3342* (342)Differential Equations I3MATH 4361* (461)Engineering Statistics3PHYS 2425* (210), 2425L (210L)Calculus Physics I4Take 8 hours from: ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)6CESC 4001Take 8 hours from: ENVR 4301* (451)8BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 45108Take 8 hours from: BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 45108Take 8 hours from: GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 43113		4			
EVEG 3343*Principles of Air Pollution Monitoring and Control3EVEG 3344*Principles of Solid and Hazardous Waste Management3EVEG 3361*Modeling for Environmental Engineering3EVEG 4381*Environmental Engineering Design I3EVEG 4382*Environmental Engineering Design II3GENERAL ENGINEERING ELECTIVES:9 HOURSTake 3 hours from: EVEG 4097*3EVEG 4097*Environmental Engineering Research OR EVEG 4098*3EVEG 4097*Environmental Engineering Internship3Take 3 hours from: MENG 3311* (311), 3312* (312), 3320*, 4321* (421);3MATH AND SCIENCE REQUIREMENTS: A3413MATH 2414* (241)Calculus II4MATH 3340* (340)Calculus III3MATH 4361* (461)Engineering Statistics3PHYS 2425* (210), 2425L (210L)Calculus Physics I4Take 8 hours from: ENVR 4301* (ESC 400)4Take 8 hours from: BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 45108Take 8 hours from: GEOG/GESC 3308, 3313;6EOL 1403, 1404, 3312, 3350; PSES 2411, 43113	EVEG 3311* Hydrology and Hydraulics	3			
Control3EVEG 3344* Principles of Solid and Hazardous Waste Management3EVEG 3361* Modeling for Environmental Engineering3EVEG 4381* Environmental Engineering Design I3EVEG 4382* Environmental Engineering Design II3GENERAL ENGINEERING ELECTIVES: 9 HOURS3Take 3 hours from: EVEG 4097* Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship3Take 3 hours from: MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG 43413Take 3 hours from: MATH AND SCIENCE REQUIREMENTS: 34 HOURS3MATH 4314* (241) Calculus II4MATH 3340* (340) Calculus III3MATH 4361* (461) Engineering Statistics3PHYS 2425* (210), 2425L (210L) Calculus Physics I4Take 6 hours from: ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)6Cisc 406)13Take 8 hours from: ENVR 4301* (ESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 43113	EVEG 3342* Principles of Water and Wastewater Treatment	3			
Management3EVEG 3361* Modeling for Environmental Engineering3EVEG 4381* Environmental Engineering Design I3EVEG 4382* Environmental Engineering Design II3GENERAL ENGINEERING ELECTIVES: 9 HOURS3Take 3 hours from: EVEG 4097* Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship3Take 3 hours from: BVEG 4098* Environmental Engineering Internship3Take 3 hours from: EVEG 4098* Environmental Engineering Research OR EVEG 4098* Environmental Engineering Internship3Take 3 hours from: BNG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG 43413Take 3 hours from: ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)3MATH AND SCIENCE REQUIREMENTS: 34 HOURS3MATH 2414* (241) Calculus II4MATH 3340* (340) Calculus III3MATH 3342* (342) Differential Equations I3MATH 4361* (461) Engineering Statistics3PHYS 2425* (210), 2425L (210L) Calculus Physics I4Take 6 hours from: ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)6Take 8 hours from: BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 45108Take 3 hours from: GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 43113		3			
EVEG 4381* Environmental Engineering Design I   3     EVEG 4382* Environmental Engineering Design II   3     GENERAL ENGINEERING ELECTIVES: 9 HOURS   3     Take 3 hours from:   8     EVEG 4097* Environmental Engineering Research OR   3     EVEG 4097* Environmental Engineering Research OR   3     EVEG 4097* Environmental Engineering Internship   3     Take 3 hours from:   3     MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG   3     4341   3     Take 3 hours from:   3     ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)   3     MATH AND SCIENCE REQUIREMENTS: 34 HOURS   3     MATH 2414* (241) Calculus II   4     MATH 3340* (340) Calculus III   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   4     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)   6     Take 8 hours from:   8   3     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 8   3     374, 4425, 4510   3   3     Take 8 hours from:   8	•	3			
EVEG 4382* Environmental Engineering Design II   3     GENERAL ENGINEERING ELECTIVES: 9 HOURS     Take 3 hours from:   3     EVEG 4097* Environmental Engineering Research OR   3     EVEG 4098* Environmental Engineering Internship   3     Take 3 hours from:   3     MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG   3     4341   3     Take 3 hours from:   3     ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)   3     MATH AND SCIENCE REQUIREMENTS: 34 HOURS   3     MATH 2414* (241) Calculus II   4     MATH 3340* (340) Calculus III   3     MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   6     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306   6     (ESC 406)   6     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   3     Take 3	EVEG 3361* Modeling for Environmental Engineering	3			
GENERAL ENGINEERING ELECTIVES: 9 HOURS     Take 3 hours from:     EVEG 4097* Environmental Engineering Research OR     EVEG 4098* Environmental Engineering Internship     Take 3 hours from:     MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG     4341     Take 3 hours from:     ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)     MATH AND SCIENCE REQUIREMENTS: 34 HOURS     MATH 2414* (241) Calculus II     MATH 3340* (340) Calculus III     MATH 4361* (461) Engineering Statistics     3     PHYS 2425* (210), 2425L (210L) Calculus Physics I     4     Take 6 hours from:     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)     Take 8 hours from:     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510     Take 3 hours from:     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510     Take 3 hours from:     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311	EVEG 4381* Environmental Engineering Design I	3			
Take 3 hours from:   3     EVEG 4097* Environmental Engineering Research OR   3     EVEG 4098* Environmental Engineering Internship   3     Take 3 hours from:   3     MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG   3     4341   3     Take 3 hours from:   3     ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)   3     MATH AND SCIENCE REQUIREMENTS: 34 HOURS   4     MATH 2414* (241) Calculus II   4     MATH 3340* (340) Calculus III   3     MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   6     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306   6     (ESC 406)   6     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   8   3     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   8   3     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510 <td>EVEG 4382* Environmental Engineering Design II</td> <td>3</td> <td></td>	EVEG 4382* Environmental Engineering Design II	3			
EVEG 4097* Environmental Engineering Research OR   3     EVEG 4098* Environmental Engineering Internship   3     Take 3 hours from:   3     MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG   3     4341   3     Take 3 hours from:   3     ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)   3     MATH AND SCIENCE REQUIREMENTS: 34 HOURS   4     MATH 2414* (241) Calculus II   4     MATH 3340* (340) Calculus III   3     MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   6     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306   6     (ESC 406)   6     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   8     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311   3	GENERAL ENGINEERING ELECTIVES: 9 HOURS				
MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG   3     4341   3     Take 3 hours from:   3     ENGR 4311*; EVEG 4340*; MENG 4340* (423), 4307* (407)   3     MATH AND SCIENCE REQUIREMENTS: 34 HOURS   4     MATH 2414* (241) Calculus II   4     MATH 3340* (340) Calculus III   3     MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   6     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306   6     (ESC 406)   6     Take 3 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   8     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311   3	EVEG 4097* Environmental Engineering Research OR	3			
Bigs   3     MATH AND SCIENCE REQUIREMENTS: 34 HOURS   4     MATH 2414* (241) Calculus II   4     MATH 3340* (340) Calculus III   3     MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   6     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   3     Take 3 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   3	MENG 3311* (311), 3312* (312), 3320*, 4321* (421); EVEG	3			
MATH 2414* (241) Calculus II   4     MATH 3340* (340) Calculus III   3     MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   4     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)   6     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   6     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311   3		3			
MATH 3340* (340) Calculus III   3     MATH 3342* (342) Differential Equations I   3     MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from: ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)   6     Take 8 hours from: BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from: GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311   3					
MATH 3342* (342) Differential Equations I   3     MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   4     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)   6     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   6     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311   3	MATH 2414* (241) Calculus II	4			
MATH 4361* (461) Engineering Statistics   3     PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   4     ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)   6     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   6     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311   3	MATH 3340* (340) Calculus III	3			
PHYS 2425* (210), 2425L (210L) Calculus Physics I   4     Take 6 hours from:   ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)   6     Take 8 hours from:   BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; 3   3	MATH 3342* (342) Differential Equations I	3			
Take 6 hours from:     6       ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306 (ESC 406)     6       Take 8 hours from:     8       BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510     8       Take 3 hours from:     8       GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; PSES 2411, 4311     3	MATH 4361* (461) Engineering Statistics	3			
ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306   6     (ESC 406)   7     Take 8 hours from:   8     BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*, 3374, 4425, 4510   8     Take 3 hours from:   8     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; 3   3     PSES 2411, 4311   3	PHYS 2425* (210), 2425L (210L) Calculus Physics I	4			
BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*,   8     3374, 4425, 4510   7     Take 3 hours from:   6     GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350;   3     PSES 2411, 4311   3	ENVR 4301* (ESC 401), 4302* (ESC 402), 4305 (ESC 405), 4306	6			
GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350; 3 PSES 2411, 4311	BIOL 1406, 1407*, 1411, 1413, 2374*, 2420* or 2572*,	8			
	GEOG/GESC 3308, 3313; GEOL 1403, 1404, 3312, 3350;	3			
	TOTAL HOURS REQUIRED TO COMPLETE DEGREE	<b>132-134</b>			

A minimum of 42 hours from the core curriculum is required. Some majors specify particular

 A minimum of 42 nours from the core curriculum is required. Some majors specify particular courses to meet core-curriculum requirements when options are available. Ideally, these courses should be taken during the first two years of enrollment.
\* Indicates prerequisites—see catalog for more information.
\*\* Or an equivalent course (second year, second semester) in French or German.
NOTE: At least 39 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU, and 30 of the 39 hours must be the final hours counted toward a degree.
A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PLED) courses. (PHED) courses can count toward a baccalaureate degree.

Note: This is NOT a degree plan. After completing 30 hours, students are encouraged to request an official degree plan in the office of the dean of the College of Agriculture, Science and Engineering, located in the Agriculture and Natural Sciences Building, Room 106 (or call 651-2585). Students who have completed 45 hours will not be allowed to progress without requesting a degree plan.