BS Env Engineering Undergraduate Curriculum (Catalog Year: 2015 - 2016)

	_	MATH 1551	MATH 1553	CHEM 1310	CS 1371	ENGL 1101	HUMANITIES ELEC	
	nestei	Differential Calculus	Intro Linear Algebra	General Chemistry	Computing	English Comp. I		0
Z	II Ser	Minimum Grade C	Minimum Grade C	Minimum Grade C	for Engineers			
Σ	Fa	(2-0-2)	(2-0- 2)	(3-3- 4)	(3-0- 3)	(3-0- 3)	(3-0- 3)	
RESH								
	Spring Semester	MATH 1552	PHYS 2211	CHEM 1315	ENGL 1102	WELLNESS ELEC	= 17 Hours	
ᇤ		Integral Calculus	Intro Physics I	Survey of	English Comp. II	APPH 1040	= 16 Hours	0
		Minimum Grade C	Minimum Grade C	Organic Chemistry		or APPH 1050		
		(4-0- 4)	(3-3- 4)	(3-0- 3)	(3-0-3)	(2-0- 2)		
		MATH 1551	MATH 1551	CHEM 1310	ENGL 1101			
		MATH 2554		PIOL 1510	COE 2004	CEE 2200		
	ster	Multivariable Calculus		BIOL 1510 Biological	Statics	Env Engr Princ	- 17 Hours	5
ш	emes	Multivariable Calculus	intio i nysics ii	Principles	Minimum Grade C	(3-0- 3)		Ŭ
R	Fall S	(4-0- 4)	(3-3- 4)	(3-3- 4)	(2-0- 2)	CHEM 1310.		
Σ		MATH 1552	PHYS 2211		MATH 1552, PHYS 2211	MATH 1552, PHYS 2211		
우	ster	MATH OFFO				FCONOMICS		
SOPH		Differential	EAS 2000		Dynamics	Econ 2100, 2101	- 16 Hours	_
S	ème	Equations	Latin Tocesses	Systems	Dynamics	2105 or 2106	- 10 110015	5
	ring S	(4-0- 4)	(3-3-4)	(3-0- 3)	(2-0- 2)	(see Note 1)		
	g	MATH 1552		MATH 1551	COE 2001			
		TECH ELEC FOCUS	CEE 3020	COE 3001	CEE 3040	SOC SCIENCE ELEC		
	lester		Civil Engineering	Deformable	Fluid Mechanics		= 15 Hours	12
2	l Ser	(see Note 3)	Materials Lab	Bodies		(see Note 2)		
2	Fal	(3-0- 3)	(2-3-3)	(3-0- 3)	(3-0-3)	(3-0-3)		
S			COE 3001	MATH 2552, COE 2001	CEE 2040, MATH 2551			
۔	_	CEE/ISYE 3770	CEE 3340	PHYS CHEM I	CEE 4200	TECH ELEC FOCUS		
	neste	Statistics &	Env Engineering	CHBE 2110, CHEM 3411	Hydraulic		= 15 Hours	TBD
	g Sen	Applications	Lab	EAS 3603, ME 3322	Engineering	(see Note 3)		
	Sprin	(3-0-3)	(2-3- 3	(3-0-3)	(2-3-3)	(3-0-3)		
		MATH 2551	CEE 2300, BIOL 1510	Course Specific	CEE 3040			
								12 TBD
	ter		TECH ELEC FOCUS	TECH ELEC FOCUS	APPROVED ELEC	U.S. Constitution/Hist	HUMANITIES ELEC	трр
	emes	Enve Tech Elect	(coo Noto 2)	(coo Noto 2)	(coo Noto 6)	(See Note 7)	Ethics Requirement	тыр
ا K	all S	(3-0- 3)	(3-0- 3)	(3-0- 3)	(3-0- 3)	(3-0- 3)	(3-0- 3)	
Ĭ₹	"	(3-0-3)	(3-0-3)	(3-0-3)	(3-0-3)	(3-0-3)	(3-0-3)	
Ш Ш	\rightarrow							
	ter	CEE 4XXX	CEE 4090	TECH ELEC FOCUS	APPROVED ELEC	SOC SCIENCE ELEC	= 18 Hours	
	emes	EnvE Design Elect	Capstone Design					TBD
	ng St	(see Note 5)	(2.2.2)	(see Note 3)	(see Note 6)	(see Note 2)		
	Spri	(3-0-3)	(Z-3-3)	(3-0-3)	(3-0-3)	(3-0-3)	= 15 Hours	
			Senior Status					<u> </u>

is not an official report. Vorify ourse requirements through CT satelog

This is not an official record. Verify course requirements through GT catalog.

1. Students can receive credit for only one of ECON 2100, ECON 2101, ECON 2105, or ECON 2106.

The only exception is that students can receive 6 hours credit for both ECON 2105 and ECON 2106.

2. Humanities Electives and Social Science Electives. See Page 2 for a link to the list of classes.

3. See Page 2 for list of classes.

4. CEE 4210 or CEE 4405 or CEE 4620 or CEE 4795.

5. CEE 4310 or CEE 4320 or CEE 4330 or CEE 4395.

6. Approved Electives. Maximum 3 hrs CEE 2699. MATH 1113, PHYS 2802, one-hour MUSI courses, GT 1000, and FREE XXXX are not allowed.

7. HIST 2111 or HIST 2112 or INTA 1200 or POL 1101 or PUBP 3000. Cannot use credit for both INTA 1200 and POL 1101.

8. Ethics Requirement. PHIL 4176 (recommended) or PHIL 3105 or PHIL 3109 or PHIL 3127.

9. Overlay Area: A course in Global Perspectives must be taken as part of the curriculum. It can be an Approved Elective, Humanities, Economics, Humanities, or Social Science Elective. See page 2 for link to list of classes.

10. Engineering credit hours must total 52. 40 hours are set. Remaining 12 hours to be chosen from Phys Chem I, Tech Elec Focus and/or Approved Elec).



Undergraduate EnvE Curriculum Notes											
Class Number Notes Notes Pre-requisites The pre-requisite must be completed before you can take this class A co-requisite can be taken in the same semester or before the class. EnvE has a minimum 5 semester prerequisite chain - plan your courses carefully!											
GPA & Grade Requirements											
1. All classes taken for BSEnvE must be taken LETTER GRADE. No Pass/Fail. 2. Overall GPA: Must be 2.00 or above at graduation. 3. Required grades: -Minimum grade of D or better is required except as noted. 4. Major GPA: -Must be 2.00 or above at graduation. Classes used to calculate major OPA include these with OEE arefu											
-Classes used to calculate major GPA include those with CEE prefix.											
	The summer list and UV										
 Social Science Electives: The current list can be found at: http://catalog.gatech.edu/students/ugrad/core/corec.php Social Science Electives: The current list can be found at: http://catalog.gatech.edu/students/ugrad/core/corec.php Ethics Overlay: PHIL 4176 (recommended) or PHIL 3105 or PHIL 3109 or PHIL 3127. Global Perspectives Overlay: http://catalog.gatech.edu/students/ugrad/core/gp.php 											
	CEE Tech	nical Elective Foc	us Area								
BIOL 2335	Ecology	CEE 4803	Special Topics								
BIOL 3380	Intro Microbiology	CEE 6XXX	Graduate Courses								
BIOL 4010	Aquatic Ecology	CHBE 3200	Tranport Processes I								
BIOL 4430	Environmental Sustainability	CHEM 3281	Instrumental Analysis								
BMED 3400	Intro Biomechanics	CHEM 3511	Survey Biochemistry								
BMED 4757	Biofluid Mechanics	CHEM 4740	Atmospheric Chem								
BMED 4758	Biosolid Mechanics	CP 4210	Enve Impact Assess								
CEE 3010	Geomatics	CP 4510	GIS								
CEE 4100	Construction Engr & Mgt	EAS 4110	Resources, Energy, Env								
CEE 4210	Hydrology	EAS 4300	Oceanography								
CEE 4225	Coastal Engineering	EAS 4410	Climate Change								
CEE 4230	EnvE Transport Modeling	EAS 4420	Enve Field Methods								
CEE 4300	EnvE Systems	EAS 4430	Remote Sensing								
CEE 4310	Water Quality Engineering	EAS 4480	Enve Data Analysis								
CEE 4320	Hazard Substance Engr	EAS 4610	Earth Systems Model								
CEE 4330	Air Pollution Engineering	EAS 4625	Water Quality Model								
CEE 4395	Enve Systems Design	EAS 4740	Atmospheric Chem								
CEE 4405	Geotechnical Engineering	ECE 3710	Circuits and Electronics								
CEE 4420	Subsurface Characterization	ECE 3741	Intsrumentation Lab								
CEE 4430	Enve Geotech	ME 4171	Enve Conscious Dsgn								
CEE 4600	Transportation Plan	ME 4172	Design Sustain Engr Sys								
CEE 4620	Enve Impact Assess	ME 4782	Biosystems Analysis								
CEE 4795	Ground Water Hydro	Note: Additional cours	es may be considered by the faculty.								
CEE 4699 Undergrad Research											
Approved Electives Up to 3 hours of VIP credit can be used as Technical Elective Focus Area; after earning those 3 credits, any additional VIP credits can be used only as approved elective credits.											