

**Department of Civil & Environmental Engineering Balance Sheet**  
**Class of 2021 – 5-yr. program (Freshmen in 2016-2017)**

<b>IBE and B.S. ENVIRONMENTAL ENGINEERING</b>
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Name: \_\_\_\_\_  
 ID No. \_\_\_\_\_ Email: \_\_\_\_\_

Approximately 166 Credits

Grade \_\_\_\_\_ Prerequisites: P/C = Pre- or Corequisites

**Follow the standard IBE Freshman Year Plan (34 credits)**

2-1	<input type="checkbox"/>	CEE 3	Engineering Statics	3		
(16)	<input type="checkbox"/>	CHM 110	Organic Chemistry I	3		CHM 30
	<input type="checkbox"/>	CHM 111	Organic Chemistry Lab I	1		CHM 110 (P/C)
	<input type="checkbox"/>	MATH 23	Calculus III	4		MATH 22
	<input type="checkbox"/>	IBE 150	IBE Sophomore Lab	1		
	<input type="checkbox"/>	H/SS #1*	_____ Humanities/Social Science	4		
2-2	<input type="checkbox"/>	ACCT 151	Intro. to Financial Accounting	3		Sophomore Standing
(17)	<input type="checkbox"/>	ECO 029	Money, Banking, & Financial Mkts.	3		ECO 1
	<input type="checkbox"/>	MATH 231	Probability & Statistics	3		MATH 23/33/52
	<input type="checkbox"/>	PHY 21	Introductory Physics II	4		PHY 11, MATH 23 (P/C)
	<input type="checkbox"/>	PHY 22	Introductory Physics Lab II	1		PHY 12, PHY 21 (P/C)
	<input type="checkbox"/>	CEE 170	Intro. to Environmental Engr.	4		CHM 30
3-1	<input type="checkbox"/>	ECO 146	Applied Microeconomics Analysis	3		
(19)	<input type="checkbox"/>	ACCT 152	Intro. to Managerial Accounting	3		ACCT 151
	<input type="checkbox"/>	CEE 121	Mechanics of Fluids	3		CEE 3
	<input type="checkbox"/>	CEE 375	Environmental Engr. Processes	3		CEE 170
	<input type="checkbox"/>	MATH 205	Linear Methods	3		MATH 22
	<input type="checkbox"/>	H/SS #2*	_____ Humanities/Social Science	3		
	<input type="checkbox"/>	IBE 250	IBE Junior Lab	1		
3-2	<input type="checkbox"/>	LAW 201	Legal Environmental of Business	3		
(18)	<input type="checkbox"/>	IBE 380	IBE Capstone Project I	3		
	<input type="checkbox"/>	FIN 125	Introduction to Finance	3		
	<input type="checkbox"/>	CEE 222	Water Resources Engineering	3		CEE 121
	<input type="checkbox"/>	CEE 274	Environmental Water Chemistry	3		CHM 31 or CEE 170
	<input type="checkbox"/>	AE #1**	_____ Approved Elective	3		
4-1	<input type="checkbox"/>	COMM 130/160	Public Speaking	4		
(18)	<input type="checkbox"/>	IBE 385	IBE Capstone Project II	3		
	<input type="checkbox"/>	CEE 203	Professional Development	2		
	<input type="checkbox"/>	CEE 142	Soil Mechanics	3		CEE 3
	<input type="checkbox"/>	CEE 378	Hazardous Waste Trtmt. & Mgmt.	3		CEE 375
	<input type="checkbox"/>	CHE 31	Mat. Energy Balances of Chm Proc.	3		
4-2	<input type="checkbox"/>	BIS 111	Intro. to Information Systems	3		
(18)	<input type="checkbox"/>	MGT 243	Management & Leading People	3		
	<input type="checkbox"/>	MKT 111	Principles of Marketing	3		ECO 1
	<input type="checkbox"/>	CHM 31	Chem Equilibria in Aquatic Syst	4		CHM 30, MATH 21
	<input type="checkbox"/>	CEE 275	Envir., Geotech., Hydraulics Lab	2		CEE 170
	<input type="checkbox"/>	AE #2**	_____ Approved Elective	3		

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Class of 2019 IBE & B.S. Environmental Engineering continued

5-1	<input type="checkbox"/>	CEE 379	Environmental Case Studies	3		CEE 375 or EES 22
(16/17)	<input type="checkbox"/>	AE #3**	_____ Approved Elective	3		
	<input type="checkbox"/>	EES 22	Exploring Earth	1		
	<input type="checkbox"/>	ESR***	_____ Earth Science Requirement	3		
	<input type="checkbox"/>	H/SS #3*	_____ Humanities/Social Science	3/4		
	<input type="checkbox"/>	FE _____	Free Elective	3		

5-2	<input type="checkbox"/>	CEE 202	CEE Planning & Economics	3	_____	
(17/18)	<input type="checkbox"/>	CEE 272	Environmental Risk Assessment	2	_____	
	<input type="checkbox"/>	CEE 377	Environmental Engineering Design	3	_____	CEE 375, Senior Standing
	<input type="checkbox"/>	EBR****	Environmental Biology Req.	3	_____	
	<input type="checkbox"/>	H/SS #4*	Humanities/Social Science	3/4	_____	
	<input type="checkbox"/>	FE _____	Free Elective	3	_____	

IBE requirements include: Foreign Language proficiency, one summer internship, and maintenance of a minimum 3.25 GPA

\*HSS Advanced requirement is 13 credits, four credits of which must be CEE approved environmental studies course. See catalog for additional RCEAS HSS requirements.

\*\* 9 CEE Approved Elective credits to satisfy proficiency in four focus areas of water supply and resources, environmental chemistry, waste management, and biological processes; list of approved courses is available from CEE Department. A maximum of 3 credits of these courses combined (CEE 205, CEE 211, CEE 281 & CEE 381) can be used towards the 9 credits of approved elective requirements.

\*\*\* Earth Science Requirement, list of approved courses is available from CEE Department.

\*\*\*\* Environmental Biology Requirement, list of approved courses is available from CEE Department.