

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

IBE & B.S. CIVIL ENGINEERING

Name: _____
 ID No. _____ Email: _____

Approximately 166

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		
(17)	<input type="checkbox"/>	PHY 21	Introductory Physics II	4	_____	MATH 22 (P/C), PHY 11
	<input type="checkbox"/>	PHY 22	Introductory Physics Lab II	1	_____	PHY 11, MATH 23 (P/C)
	<input type="checkbox"/>	MATH 23	Calculus III	4	_____	PHY 12, PHY 21(P/C)
	<input type="checkbox"/>	IBE 150	IBE Sophomore Lab	1	_____	MATH 22
	<input type="checkbox"/>	FE _____	Free Elective	4	_____	
2-2	<input type="checkbox"/>	ACCT 151	Intro. to Financial Accounting	3	_____	Soph Standing
(16)	<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"/>	CEE 59	Strength of Materials	3	_____	CEE 3 or MECH 3, MATH 23 (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	_____	
(17)	<input type="checkbox"/>	ACCT 152	Intro. to Managerial Accounting	3	_____	ACCT 151
	<input type="checkbox"/>	MATH 205	Linear Methods	3	_____	MATH 22/32
	<input type="checkbox"/>	CEE 121	Mechanics of Fluids	3	_____	CEE 3 or MECH 3
	<input type="checkbox"/>	CEE 159	Structural Analysis I	4	_____	CEE 59 or MECH 12
	<input type="checkbox"/>	IBE 250	IBE Junior Lab	1	_____	
3-2	<input type="checkbox"/>	LAW 201	Legal Environment of Business	3	_____	
(18)	<input type="checkbox"/>	FIN 125	Introduction to Finance	3	_____	
	<input type="checkbox"/>	CEE 222	Water Resources Engineering	3	_____	CEE 121
	<input type="checkbox"/>	CEE 262	Fundamentals of Structural Steel	3	_____	CEE 159
		or <input type="checkbox"/> CEE 264	Concrete Design		_____	CEE 159
	<input type="checkbox"/>	BSE** _____		3	_____	
	<input type="checkbox"/>	IBE 380	IBE Capstone Project I	3	_____	
4-1	<input type="checkbox"/>	BIS 111	Intro. to Information Systems	3	_____	
(18)	<input type="checkbox"/>	IBE 385	IBE Capstone Project II	3	_____	
	<input type="checkbox"/>	MKT 111	Principles of Marketing	3	_____	ECO 1
	<input type="checkbox"/>	CEE 123	Civil Engineering Materials	3	_____	CEE 59 or MECH 12
	<input type="checkbox"/>	CEE 142	Soil Mechanics	3	_____	CEE 3 or MECH 3
	<input type="checkbox"/>	FE _____	Free Elective	3	_____	
4-2	<input type="checkbox"/>	MGT 243	Management & Leading People	3	_____	
(16/17)	<input type="checkbox"/>	COMM 130/160	Public Speaking	4	_____	
	<input type="checkbox"/>	CEE 242	Geotechnical Engineering	3	_____	CEE 142
	<input type="checkbox"/>	HSS #1 _____	Humanities/Social Science	3/4	_____	
	<input type="checkbox"/>	AE#1* _____	Approved Elective	3	_____	

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

5-1	<input type="checkbox"/>	CEE 10	Engr./Arch. Graphics & Design	3		
(15/16)	<input type="checkbox"/>	CEE 11	Surveying	1	_____	
	<input type="checkbox"/>	CEE 203	Professional Development	2	_____	
	<input type="checkbox"/>	H/SS #2 _____	Humanities/Social Science	3/4	_____	
	<input type="checkbox"/>	AE#2 _____	Approved Elective	3	_____	
	<input type="checkbox"/>	AE#3 _____	Approved Elective	3	_____	

5-2	<input type="checkbox"/>	CEE 117	Numerical Methods	2	_____	MATH 205
(16)	<input type="checkbox"/>	CEE 202	CEE Planning & Economics	3	_____	
	<input type="checkbox"/>	CEE 290	CEE Design Project	3	_____	Senior Standing
	<input type="checkbox"/>	AE#4*	Approved Elective	3	_____	
	<input type="checkbox"/>	AE#5*	Approved Elective	3	_____	
	<input type="checkbox"/>	AE#6*	Approved Elective	2	_____	

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

*17 CEE Elective Credits approved by the CEE department. List of approved courses is available from CEE department. A maximum of 6 credits of these courses combined (CEE 205, CEE 211, CEE 281 & CEE 381) can be used towards the 17 credits of approved elective requirements.

**Basic Science Elective – list of courses is available from CEE department.