

Curriculum for IBE students selecting a Business Major (Updated Aug 2016)

All IBE Students Should Follow the Common Freshman Year Curriculum

Sophomore Year, Fall Semester

Credits	Course	Description	Semester	Prerequisites
4	Math 23	Calculus III	F,S	Math 22
3	Acct 151	Intro Financial Accounting	F, S	Excel Comp, Sophomore
4	Physics 21	Introductory Physics II	F,S	Phys 11, Math 23 (PC)
1	Physics 22	Physics Lab	F,S	Physics 12, Phys 21 (Co pref)
3	Free Elective #1			
1	IBE 150	IBE Sophomore Lab	F	IBE 050 or permission
16	Semester total			
50	Cumul.credits			

Sophomore Year, Spring Semester

Credits	Course	Description	Semester	Prerequisites
3	Math 231	Prob and Stat.	F,S	Math 22
3	Mat Sci 33	Engin. Materials & Proc	F,S	
3	Mkt 111	Princ. Of Marketing	F, S	Soph Standing
3	Acct 152	Intro. Managerial Accounting	F,S	Acct 151
3	HSS Elective #1	Human./Social Sci Elec		
3	Eco 029	Money and Banking	F,S	Eco 1
18	Semester total			
68	Cumul. credits			

Junior Year, Fall Semester

Credits	Course	Description	Semester	Prerequisites
3	Fin 125	Intro. to Finance	F,S	Eco 029, Acct 151, Math 231
3	Eco 146	App. Microeconomics	F,S	Eco 1, Math 231
4	Comm 130 or 160	Public Speaking for IBE	F	
3	ISE 215	Manufacturing Engineering	F	Mat Sci 33
1	ISE 216	Manufacturing Lab	F	ISE 215 (PC)
3	Mech 2	Elem. Engin. Mechanics	F	Math 22, Physics 11
1	IBE 250	IBE Junior Lab	F	IBE major
18	Semester total			
86	Cumulative credits			

Junior Year, Spring Semester

Credits	Course	Description	Semester	Prerequisites
3	Bus Major Course #1	Depends on Business Major		See Below
3	Bus Major Course #2	Depends on Business Major		See Below
3	ECE 83	Intro to Elec. Engin	S	Math 22, Physics 21 (PC)
3	Mgmt 143	Mgmt of People & Ops.	F,S	Sophomore Standing
3	IBE 380	IBE Capstone Design I	S	IBE 050, Junior standing
15	Semester total			
101	Cumulative credits			

Senior Year, Fall Semester

Credits	Course	Description	Semester	Prerequisites
3	Bus Major Course #3	Depends on Business Major		See Below
3	Bus Major Course #4	Depends on Business Major		See Below
3	IBE 385	IBE Capstone Design II	F	IBE 380
3	ME 104	Thermodynamics	F,S	Math 23 (PC), Physics 11 (PC)
3	HSS Elective #2			
3	Free Elective #2			
18	Semester total			
119	Cumulative credits			

Senior Year, Spring Semester

Credits	Course	Description	Semester	Prerequisites
3	Bus Major Course #5	Depends on Business Major		See Below
3	Law 201	Legal Env. Of Business	F,S	Eco 1, Junior standing
3	BIS 111	Intro. Bus. Info. Sys.	F,S	Excel Comp. Exam
3	Bus Major Course #6	Depends on Business Major		See Below
3	Free Elective #3	Depends on Business Major		See Below
3	Engineering Elective			
18	Semester total			
137	Cumulative credits			

(PC) = Previously or Concurrently

(Co) = Co-requisite; must be taken at the same time

(HSS) Humanities and Social Science

In addition to the curriculum above, IBE Business majors must fulfill standard IBE requirements including

Language proficiency

Summer internship

Maintain a GPA of at least 3.25

Business Major Required Courses		
Finance	Accounting	Others
Fin 323	Acct 311	See
Fin 328	Acct 315	Advisor
Fin 300 elective # 1	Acct 316	
Fin 300 elective # 2	Acct 324	
Fin Breadth #1	Acct 300 Elective #1	
Fin Breadth #2	Acct 300 Elective #2	