

**B.S. Computer Engineering (4 Years, 128 cr hrs)
MBA (fifth year, 42 cr hrs)
Curriculum — Class of 2011**

1st Year

Fall

MAT 126	Calculus I	4
PHY 121	Physics for Engineers I	4
ECE 101	Intro to ELE & CEN Eng	4
CHY 121	Intro to Chemistry	3
CHY 123	Intro to Chemistry Lab	1
		16

Spring

MAT 127	Calculus II	4
PHY 122	Physics for Engineers II	4
ECE 177	Intro to Prog for Engineers	4
ENG 101	College Composition	3
CMJ 103	Fund of Public Communication	3
		18

2nd Year

Fall

MAT 228	Calculus III	4
ECE 210	Electrical Networks I	3
ECE 275	Sequential Logic Systems	3
COS 221	Intro to Computer Science II	3
ECO 120	.Microeconomics HV & SC (1)	3
		16

Spring

MAT 258	Diff Eq & Linear Algebra	4
ECE 211	Electrical Networks II	3
ECE 214	Elec Networks Lab	3
ECP 214	Engineering Writing I	1
ECE 271	Micro Arch & Applications	3
ECO 121	Macroeconomics HV&SC (2)	3
		17

Summer

BUA 201	Principles of Financial Account	3
		3

Apply to MBA, take GMAT

3rd Year

Fall

ECE 300	Seminar	1
ECE 314	Linear Circuits and Systems	3
ECE 342	Electronics I	4
ECP 342	Engineering Writing II	1
^b ECE 471/ Elective	Microproc Appl Engineering <i>or</i> Technical Elective (1)	3
Elective	Basic Engineering	3
		15

Spring

ECE 401	Design Project I	1
ECP 401	Engineering Writing III	1
ECE 343	Electronics II	4
^a CHB 350	Statistical Proc & Analysis	3
^b ECE 477/ Elective	Hardware Applications in C <i>or</i> Technical Elective (1)	3
Elective	Basic Science	4
		16

Summer

BUA 202	Principles of Managerial Account	3
		3

4th Year

Fall

ECE 402	Design Project II	4
ECE 473	Computer Architecture & Org	3
COS 431	Operating Systems	3
BUA 350 ¹	Finance (Tech Elective 2)	3
Elective	HV & SC (3)	3
		16

Spring

ECE 403	Design Project III	2
Elective	Technical Elective (3)	3
Elective	Technical Elective (4)	3
MAT 481	Discrete Mathematics	3
Elective	HV&SC (4)	3
BUA 620 or 626	Law, Business and Society or Behavioral Analysis of Administrative Decisions	3
		17

Summer

<i>BUA Tutorials</i>		
BUA 695	Internship	3
BUA 604	Residency	3
		6

Receive BSCEN in May (128 credit hrs for CEN + 15 hrs towards MBA)

The ECO120&121 and BUA201&202 are pre-requisites of MBA courses.

The ECO120&121 are used to satisfy "Social" category of the HV&SC requirement.

BUA 350 can be used as a non-ECE technical elective.

This is a sample curriculum and courses can be taken any semester depending on satisfactory completion of pre-requisites and course offerings.

5th Year

Fall

15 hours of MBA courses		
		15

Spring

15 Hours of MBA courses		
		15

Summer

May Term international trip		
		3

Receive MBA (42 credits)

¹ BUA325 can be taken instead of BUA350. However, the pre-requisites for BUA325 are ECO120, ECO121, and PSY100.