

3.3.5 Sample Plan of Study

Sample Plan of Study Electrical Engineering (EE)

Freshmen Year

Semester 1			Semester 2				
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
ENGR 131	Transforming Ideas to Innovation I (General Eng.)	2		ENGR 132	Transforming Ideas to Innovation II (General Eng.)	2	ENGR 131
MA 165	Analytic Geometry and Calculus I (Mathematics)	4	MAT 110 or MA 158 or ENG Math Placement Test	MA 166	Analytic Geometry and Calculus II (Mathematics)	4	MA 165
ENGL 100	English for Academic Studies (English Lan. & Com.)	3		PHYS 172	Modern Mechanics (Science)	4	ConP: MA 165
CHM 115	General Chemistry I (Science)	4	ConP: MA 165	CS 159	Programming Applications for Engineers (Science)	3	ENGR 131
GEE	General Education Elective (refer to course catalogue)	3		ENGL 106	First-Year Composition (English Lan. & Com.)	4	ENGL 100
Semester Credits = 16				Semester Credits = 17			

Sophomore Year

Semester 3			Semester 4				
Course	Title	Cr.	Pre/ConP	Course	Title	Cr.	Pre/ConP
EE 201	Linear Circuit Analysis I (EE Core)	3	ENGR 131, PHYS 172, MA 166 (C-); ConP: MA 261	EE 202	Linear Circuit Analysis II (EE Core)	3	EE 201 (min C), ConP: MA 266
EE 207	Electronic Measurement Techniques Lab (EE Core)	1	ConP: EE 201	EE 270	Introduction to Digital System Design + Lab (EE Core)	4	ConP: EE 201
MA 261	Multivariate Calculus (Mathematics)	4	MA 166	MA 266	Ordinary Differential Equations (Mathematics)	3	MA 261
PHYS 272	Electric and Magnetic Interactions + Lab (Science)	4	PHYS 172, ConP: MA 166	EE 255	Introduction to Electronic Analysis and Design (EE Core)	3	EE 201 (min C)
COM 114	Fund. of Speech Communication (English Lan. & Com.)	3	ENGL 100	EE 208	Electronic Devices and Design Laboratory (EE Core)	1	EE 207, ConP: EE 255
EE 200	Electrical and Computer Engineering Sophomore Seminar (EE Seminar)	0	Sophomore	GEE	General Education Elective (refer to course catalogue)	3	
Semester Credits = 15				Semester Credits = 17			

AUM reserves the right to change program content, course requirements, materials, and/or schedules as deemed necessary

