Degree: Bachelor of Science   Major: Applied Electronics Engineering   Catalogue: 2021-2022

Student Name:_____   Student Number:_____

All first-year students and students transferring with less than 24 earned hours must take STU 101 First Year Experience in their first semester. Pass/No Credit _____

University Requirements: 42 hours

I. Written Composition, 6 hours

	H/A	H/E	Grade	QP
EH 101 or EH 105/115				
EH 102 or EH 106/116				

II. Humanities/Fine Arts, 12 hours

Must take EH 141 Oral Communication
Select one (3 hours) ART 202, DR 242 or MU233
Select two literature (6 hours) EH 201, 202, or EH 203, 204, or EH 219, 220, or EH 231, 232

EH 141				

III. Natural Sciences and Mathematics, 12 hrs

Must take MS 125 (4 hours)
Must earn a grade of C or better in math courses
Select two sciences w/lab (8 hrs): CY 105, 107; CY 106, 108; PHS 201, 203; PHS 202, 204

MS 125				

IV. History, Social, and Behavioral Sciences, 12 hrs.

EC 221, Principles of Microeconomics, is required
Select one (3 hours): EC 222 (recommended), GY 120, PSC 100, PSY 201, SY 221
Select two history: (6 hours) HY 101, 102 or HY 201, 202

EC 221				

Major Requirements: 64 hours

Core, 27 hours	H/A	H/E	Grade	QP
EH 322 or CBA 350				
AE 201 or CS 201				
AE 210				
AE 211				
AE 343 or MGT 301				
AE 344				
AE 372				
AE 380				
AE 493				
AE 494				

AEE Major, 21 hours				
AE 251				
EG 255				
AE 225				
AE 252				
AE 311				
AE 316				

Directed Electives, 16 hours, see advisor

AE 317				
AE 326				
AE 327				
AE 366				
AE 416				
AE 451				
AE elective				

General Electives[1], 14 hours

	H/A	H/E	GR	QP

DEGREE SUMMARY:

University Requirements	**42 hours**
Major Requirements	**64 hours**
Core 27	
AEE 21	
Directed Electives 16	
General Electives[1]	**14 hours**
Total	**120 hours**

[1]General electives are courses not used toward completing the university, major, or core requirements, and which students take to complete the graduation requirement of 120 credit hours.

Major Course Titles:

EG 255 Engineering Computation	(3)
EH 322 Technical Writing or CBA 350 Business Communications	(3)
AE 201 Microcomputers	(3)
AE 210 Machining/Manufacturing Processes	(3)
AE 211 AC/DC Circuits	(3)
AE 225 Electronic Devices I	(4)
AE 251 Computer-Aided Design	(3)
AE 252 Programmable Controllers	(3)
AE 311 Electronics-Digital	(4)
AE 316 Advanced Electronics	(4)
AE 317 Industrial Networking I	(3)
AE 326 Electronic Devices II	(3)
AE 327 Electronic Devices Lab	(1)
AE 343 Managing Engineering Technology	(3)
AE 344 Manufacturing Cost Analysis	(3)
AE 366 Control Systems	(3)
AE 372 Statistical Analysis for Quality Control	(3)
AE 380 Industrial Safety and Health	(3)
AE 416 Manufacturing Automation & Robotics	(3)
AE 451 Advanced Programmable Controllers	(3)
AE 493 Senior Seminar	(1)
AE 494 Industrial Internship	(2)
AE Elective – See your advisor	(3)