NORTHERN ARIZONA UNIVERSITY
College of Engineering, Forestry & Natural Sciences

Bachelor of Science in Engineering
ELECTRICAL ENGINEERING
Electrical Engineering Emphasis
2009-2010 Undergraduate Catalog
Degree Progression Plan

Mesa Community College courses shown in blue.

Freshman Year							
1st term				2nd term			
CSC 120	EE 110 Digital Logic and Lab	4		EEE 202	EE 188 Electrical Engineering I	3	
ECE 102/103	EGR 186 Introduction to Engineering Design	3		EEE 202	EE 188L Electrical Engineering I Lab	1	
ENG 101/102	ENG 105 Critical Reading and Writing (FNRQ)	4		MAT 231	MAT 137 Calculus II (FNRQ)	4	
MAT 221	MAT 136 Calculus I (SCI: SAS)	4		PHY 121	PHY 161 University Physics I (SCI: LAB)	4	
NAU 100	Transition to College	1		CSC 150	CS 122 Programming for Engineering & Science (SCI: SAS)	3	
				CS 122L	Programming for Engineering & Science Lab	1	
	Total units	16			Total units	16	

Sophomore Year							
3rd term				4th term			
CENE 225	Engineering Analysis	3		EE 215	Microprocessors w/ Lab	4	
EE 222	Intermediate Programming	3		EE 280	Introduction to Electronics	4	
MAT 241	MAT 238 Calculus III	4		MAT 262	MAT 239 Differential Equations	3	
PHY 131	MAT 262 University Physics II (SCI: SAS) **	3		EGR 286	Engineering Design: Process	3	
PHI 105	PHI 105 Introduction to Ethics (AHI)	3		PHY 263	University Physics III	3	
	Total units	16			Total units	17	

Junior Year							
5th term				6th term			
EE 325	Engineering Analysis II	3		EE 310	Fundamentals of Computer Engineering	4	
EE 364	Fundamentals of Electromagnetics	4		EE 348	Fundamentals of Signals & Systems	4	
EE 380	Fundamentals of Electronics: Circuits	4		EE 386W	Engineering Design: Methods	3	
CHM 151	CHM 151 General Chemistry I (SCI: SAS)	4		Science Elective	Major Elective ***	3	
CHM 151LL	CHM 151L General Chemistry I Lab **	1		*SB Elective*	Liberal Studies / Diversity *	3	
	Total units	16			Total units	17	

Senior Year							
7th term				8th term			
EE 476C	Engineering Design Procedures Lab	1		EE 486C	Capstone Design	3	
ME	Major Elective ***	3		*ME*	Major Elective ***	3	
ME	Major Elective ***	3		*ME*	Major Elective ***	3	
ME	Major Elective ***	3		*LS*	Liberal Studies	3	
SB Elective	Liberal Studies / Diversity *	3		*LS*	Liberal Studies	3	
HU Elective	Liberal Studies	3					
	Total units	16			Total units	15	

Liberal Studies Distribution blocks

AHI (6 units)	SPW (6 units)	CU (6 units)	Science (7 units)	Additional 3 units to reach 35 total
PHI 105			PHY 161 (4)	
			CS 122 (3)	PHY 262 (3)

Revised 1/21/2009

PROGRAM INFORMATION

A minimum of 128 units are required for this degree.

You can not have more than two grades of D in your engineering and computer science courses.

*Take a Liberal Studies course that also satisfies a Diversity requirement.

** Completion of either CHM 151L OR PHY 262L is required. (CHM 151L is highly recommended.)

*** Major electives include 18 units from the following:

- 3 units from any course with the following prefixes: AST, BIO, CENE, CENS, CHM, CM, CS, EGR, ENV, FOR, GLG, MAT, ME, PHY, PHS, or STA (except any recitations, BIO 100/100L, CS 110, EGR 101 or 102, ENV 101/101L, FOR 101, GLG 100/100L, PHY 101/101L, PHY 103, PHS 101/101L and MAT classes numbered lower than MAT 136).
- 9 units from any 400-level EE courses
- 6 units from any 400 or 500-level EE courses

GENERAL INFORMATION

- This degree progression plan is to be used in conjunction with the academic catalog and degree progress report.
- Students should see an academic advisor regularly to confirm their academic progress.
- Students must see an academic advisor before enrollment for the 7th term in preparation for graduation.
- Many courses have pre-requisites. Please check the academic catalog for pre-requisite and placement information.
- Submit graduation application during 7th term.
- Honors students complete different requirements to meet NAU's liberal studies program. Students should consult an Honors Program advisor for complete information on fulfilling Honors Liberal Studies requirements.
- All students are required to complete at least 120 total units which includes:
    - 35 units of liberal studies courses: http://www4.nau.edu/aio/Articulation/LScourselist.htm
    - 6 units of diversity courses: (3 units in Global & 3 units in Ethnic): The diversity requirement may be fulfilled in any part of the program of study. http://www4.nau.edu/aio/Articulation/DiversityCourseList.htm
    - 30 units of upper division courses (300-400 level), 18 of these units must be taken at NAU
- English placement: http://www.nau.edu/comp/placement.html
- Math placement: http://www.cefns.nau.edu/Academic/Math/studentInformation/Placement/Placement.shtml

CONTACT INFORMATION

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