NORTHERN ARIZONA UNIVERSITY
College of Engineering & Natural Sciences

Bachelor of Science in Engineering
ELECTRICAL ENGINEERING
Electrical Engineering Emphasis
2007-2008 Undergraduate Catalog

Degree Progression Plan

Freshman Year							
1st term				2nd term			
EE 110	Digital Logic and Lab	4		EE 188	Electrical Engineering I	3	
EGR 186	Introduction to Engineering Design	3		EE 188L	Electrical Engineering I Lab	1	
ENG 105	Critical Reading and Writing (FNRQ)	4		MAT 137	Calculus II (FNRQ)	4	
MAT 136	Calculus I (SCI: SAS)	4		PHY 161	University Physics I (SCI: LAB)	3	
FYE 101	First Year Experience	1		PHY 161L	University Physics I Lab (SCI: LAB)	1	
				CS 122	Introduction to Programming (SCI: SAS)	3	
	Total units	16			Total units	15	

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

Junior Year							
5th term				6th term			
EE 364	Fundamentals of Electromagnetics	4		EE 386W	Engineering Design: Methods	3	
EE 380	Fundamentals of Electronics: Circuits	4		EE 348	Fundamentals of Signals & Systems	4	
CHM 151	General Chemistry I (SCI: SAS)	4		EE 310	Fundamentals of Computer Engineering	4	
CHM 151L	General Chemistry I Lab **	1		ME	Major Elective ***	3	
PHI 105	Introduction to Ethics (AHI)	3		*LS/DIV*	Liberal Studies / Diversity *	3	
	Total units	16			Total units	17	

Senior Year							
7th term				8th term			
EE 476C	Engineering Design Procedure	1		EE 486C	Capstone Design	3	
ME	Major Elective ***	3		EE 425	Engineering Analysis II	3	
ME	Major Elective ***	3		*ME*	Major Elective ***	3	
ME	Major Elective ***	3		*ME*	Major Elective ***	3	
LS/DIV	Liberal Studies / Diversity *	3		*LS*	Liberal Studies	3	
LS	Liberal Studies	3					
	Total units	16			Total units	15	

- 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.

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:

- 6 units from CENE 150, CENE 251, CENE 280, ME 252, ME 291, ME 340, ME 350 or ME 451
- 6 units from any 400-level EE courses
- 6 units from any 400 or 500-level EE courses

GENERAL INFORMATION

- 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.math.nau.edu/placement.html

CONTACT INFORMATION

Engineering Programs
Building 69, Room 122A
Phone: 928-523-5251
Department Chair: David Scott
Phone: 928-523-3162
Email: David.Scott@nau.edu

Debbie Wildermuth
Academic Services Coordinator
College of Engineering and Natural Sciences
Building 21, Room 102
Phone: 928-523-3842
Email: Debbie.Wildermuth@nau.edu