NORTHERN ARIZONA UNIVERSITY
College of Engineering, Forestry & Natural Sciences

Bachelor of Science in Engineering
ELECTRICAL ENGINEERING
Computer Engineering Emphasis
2009-2010 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)	4	
NAU 100	Transition to College	1		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 & Lab	4	
CS 126	Computer Science I	3		EE 280	Introduction to Electronics	4	
CS 126L	Computer Science I Lab	1		MAT 239	Differential Equations	3	
MAT 238	Calculus III	4		EGR 286	Engineering Design: Process	3	
MAT 226	Discrete Mathematics	3		PHI 105	Introduction to Ethics (AHI)	3	
PHY 262	University Physics II (SCI: SAS) **	3					
	Total units	17			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 Electronic Circuits	4		EE 386W	Engineering Design: Methods	3	
CS 136	Computer Science II	3		CS 249	Data Structures	3	
CS 136L	Computer Science II Lab	1		*LS/DIV*	Liberal Studies / Diversity *	3	
	Total units	15			Total units	17	

Senior Year							
7th term				**8th term**			
EE 410 or EE 412	Embedded Control or Digital Systems Design	3		EE 486C	Capstone Design	3	
EE 476C	Engineering Design Procedures Lab	1		*ME*	Major Elective ***	3	
ME	Major Elective ***	3		*LS*/DIV	Liberal Studies / Diversity *	3	
CHM 151	General Chemistry I (SCI: SAS)	4		*LS*	Liberal Studies	3	
CHM 151L	General Chemistry I Lab **	1		*LS*	Liberal Studies	3	
LS	Liberal Studies	3					
	Total units	15			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 (3)			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 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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