

BS-Mechanical Engineering

Printed Name: _____ IDN: _____

Major Code: 3042

This degree is not available in a guaranteed 8-semester plan for qualified freshmen. **See your advisor to declare your major and sign an official degree plan.**

The prerequisites and corequisites of the degree requirements are subject to change.

FRESHMAN YEAR- FALL SEMESTER: 16 hours				FRESHMAN YEAR- SPRING SEMESTER: 16 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
1	ENGN 1111 Intro to Engineering I			1	ENGN 1121 Introduction to Engineering II		
2	ENGN 1022 Engineering Analysis			3	ENGL 1213 Freshman English II		
3	ENGL 1203 Freshman English I			4	MATH 2854 Calculus II		
4	MATH 2804 Calculus I			4	PHYS 2903/2911 University Physics I/Lab		
4	CHEM 1403/1401 College Chemistry I/Lab			4	CHEM 1413/1411 College Chemistry II/Lab or BIOL 1153\1151 Biological Science/Lab		
2	CADD 1302 Graphics for Engineers						
SOPHOMORE YEAR- FALL SEMESTER: 17 hours				SOPHOMORE YEAR- SPRING SEMESTER: 16 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
4	MATH 2904 Calculus III			4	MATH 2914 Differential Equations		
3	ENGN 2753 Engineering Statics			3	ENGN 2763 Engineering Dynamics		
4	PHYS 2923/2931 Engineering Physics II/Lab			3	ENGN 2803 Engineering Thermodynamics		
3	MEEG 2303 Intro to Materials			3	MEEG 2703 Numerical Methods I		
3	History/Government requirement	1		3	MEEG 2103 Introduction to Machine Analysis		
Admission to UA Fayetteville (both the institution and the College of Engineering) is required prior to enrolling in the junior and senior level classes.							
JUNIOR YEAR- FALL SEMESTER: 17 hours				JUNIOR YEAR- SPRING SEMESTER: 18 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
3	MEEG 3013 Mechanics of Materials			3	MEEG 4413 Heat Transfer		
3	MEEG 3503 Mechanics of Fluids			3	ELEG 3913 Engineering Electronics		
2	MEEG 3202 Mechanical Engineering Lab I			4	MEEG 4104 Machine Element Design		
3	ELEG 3903 Electric Circuits and Machines			2	MEEG 3212 Mechanical Engineering Lab II		
3	MEEG 3113 Machine Dynamics and Control			3	Technology or Science elective	3	
3	ECON 2803 Principles of Macroeconomics			3	Fine Arts/Humanities/Social Sciences requirement	2	
SENIOR YEAR- FALL SEMESTER: 14 hours				SENIOR YEAR- SPRING SEMESTER: 15 hours			
Hrs	Courses	Notes	Grade	Hrs	Courses	Notes	Grade
2	MEEG 4132 Professional Engineering Practice			3	MEEG 4133 Creative Project Design II		
2	MEEG 4202 Mechanical Engineering Lab III			6	Technology or Science elective	3	
1	MEEG 4131 Creative Project I			3	Fine Arts/Humanities/Social Sciences requirement	2	
3	MEEG 4483 Thermal Systems Analysis & Design			3	Upper-level Humanities/Social Sciences elective	2	
3	Mechanical engineering elective	3					
3	Upper-level Humanities/Social Sciences elective	2					

Total Hours: 129 At least 45 hours must be upper level

NOTES
1: General Education Core Requirements, see Graduation Requirements section of this catalog. A speech course is not required.
2: Fine Arts, Humanities, Social Sciences, 12 hours. There are three options in the selection of these courses. In general six hours are required at the lower level and six hours at the upper level. Students must consult with UA Fayetteville faculty advisor.
3: Upper-level electives. Students must consult with UA Fayetteville faculty advisor.

Transfer Course Information

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Students are guaranteed the transfer of applicable credits and the equitable treatment of the application of credits for the admissions and degree requirements. Courses transferability is not guaranteed for courses listed in ACTS as "No Comparable

Courses." ACTS-Arkansas Course Transfer System <http://acts.adhe.edu> -select Course Transfer. Students may also view the UA Fort Smith Transfer Credit Guide at www.uafortsmith.edu/Transfer/TransferCreditGuide.

See Acceptance of Transfer Credits section of the 2011-2012 academic catalog for a complete list of transfer provisions.

Student Degree Program Requirements

A student's degree program requirements are those specified in the catalog in effect at the time of declaration of program major. If not on the Guaranteed 8-semester degree plan, students may choose to meet the program requirements specified in the catalog for a later year from when they began their program of study. Students must meet the above program requirements and the graduation requirements as indicated by institutional and college policy. The program can be changed only with the approval of the official advisor.

If original courses are eliminated, students may be required to meet new curriculum requirements in the degree program. If students are not enrolled for two or more consecutive terms (excluding summer terms), they must re-enter under the program requirements of the current catalog. Students are responsible for understanding program requirements and changes.

Guaranteed 8-Semester Degree Completion Program Pursuant to Act 1014 of 2005, qualified first-time freshmen with a declared major may elect to participate in the guaranteed 8-semester degree completion program. Students must follow the above degree plan and meet all requirements as outlined in the Guaranteed 8-semester Degree Completion Program contract. The contract and this degree plan must be signed and filed with the advisor before the first day of classes for the student's first term of attendance. The official copy of the contract and degree plan are filed in the Records Office.

Approved by Dr. Ray Wallace, March 1, 2011-Catalog Year 2011-2012. This document is not official until signed and dated by both the student and an authorized university representative.

Student Signature _____ Date _____

Advisor Signature _____ Date _____