

UNIVERSITY OF ARKANSAS - MONTICELLO
PRE-ENGINEERING TRANSFER CURRICULUM
Civil - Electrical - Mechanical - Systems

A student who begins in spring or summer should see his/her adviser or Unit Head for alternate Sequence of Courses.

FIRST YEAR - UAM					
Fall Semester			Spring Semester		
Course Number	Course Name	Hours	Course Number	Course Name	Hours
MATH 1033	Trigonometry	3	MATH 2255	Calculus I	5
MATH 1043	College Algebra	3	PHYS 2313	University Physics I	3
BIOL 1063	Int. to Biological Science	3	PHYS 2231	University Physics I Lab	1
ENGL 1013	Composition I	3	CHEM 1103	General Chemistry I	3
HIST 1013 or	Survey of Civilization I or	3	CHEM 1121	General Chemistry I Lab	1
HIST 1023 or	Survey of Civilization II or		ENGL 1023	Composition II	3
GEOG 2213 or	General Geography I or				
GEOG 2223 or	General Geography II or				
ANTH 2203	Cultural Anthropology				
Total Hours		15	Total Hours		16

SECOND YEAR - UAM					
Fall Semester			Spring Semester		
Course Number	Course Name	Hours	Course Number	Course Name	Hours
MATH 3495	Calculus II	5	MATH 3543	Calculus III	3
****	Science Elective	4	****	Math Elective	3
ENGL 2283 or	Survey of World Literature I or	3	PSY 1013 or	Introduction to Psychology or	3
ENGL 2293 or	Survey of World Literature II or		SOC 2213 or	Introduction to Sociology or	
PHIL 2223	Introduction to Philosophy		ECON 2203	Principles of Macroeconomics	
ART 1053 or	Art Appreciation or	3	HIST 2213 or	American History I or	3
MUS 1113	Music Appreciation		HIST 2223	American History II	
			SPCH 1023	Public Speaking	
			EXSC 1012	Concepts of Fitness	
Total Hours		15	Total Hours		17

****	Science Elective (one of these):	Hours	Applicable Majors
PHYS 2323 & 2241	University Physics II and Lab	4	CE, EE, ME
CHEM 1113 & 1131	General Chemistry II and Lab	4	CE, EE, ME
ESCI 1063 & 1051	Elements of Geology and Lab	4	CE

****	Math Elective (one of these):	Hours	Applicable Majors
MATH 3533	Differential Equations	3	CE, EE, ME
MATH 3463	Linear Algebra	3	CE, EE, ME

- Notice:
1. Differential Equations is offered in springs of even-numbered years.
 2. Linear Algebra is offered in springs of odd-numbered years.
 3. If you begin in spring, you might have to take the Differential Equations course at the school you want to complete your engineering degree.

Last Update: March 2009