

NAME: _____ T#: _____



Bachelor of Science in Physics - 8-Semester Guaranteed Program

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. See course descriptions and prerequisites at <http://www.attu.edu/academics/catalog/>.

Employment Information: Natural Sciences Manager, Physicist, Physics Teacher, Aeronautical & Aerospace Engineer, Aerospace Engineering Technician

#Remedial Courses (if applicable): ENGL 0303 ENGL 0404 READ 0103 MATH 0903

Semester 1 Course Information	Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)	3	#	
Social Science/Fine Arts/Humanities/Speech	3		
MATH 1914 - Pre-Cal (ACTS = MATH1305) or MATH 1203 - Plane Trig (ACTS = MATH 1203)	3 or 4	#	Placement determined by ACT. Students with MATH ACT 24+ may be eligible to enroll in MATH 2914.
CHEM 2124/2120 - General Chemistry I (ACTS = CHEM 1414)	4		
PHSC 1001 - Orientation to Physical Science	1		
Total hours	15	GPA	

Semester 5 Course Information	Hrs.	Grade	Notes
Fine Arts & Humanities	3		
MATH 3243 - Differential Equations I	3		
ELEG 2103 - Electric Circuits I	3		
PHYS 3023 - Mechanics or PHYS 3213 - Modern Physics	3		
PHYS 3133 - Theory of Elec & Mag or PHYS Elective (3000-4000)	3		Note 1: PHYS3133 offered in alternating Fall semesters.
Total hours	15	GPA	

Semester 2 Course Information	Hrs.	Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)	3	#
Social Science	3	
MATH 2914 - Calculus I (ACTS = MATH 2405)	4	Milestone
PHSC 1011 - Orientation to Physical Science II	1	Milestone
CHEM2134/2130 - Gen. Chem. II (ACTS = CHEM 1424)	4	No substitutions allowed.
Total hours	15	GPA
		Milestone

Semester 6 Course Information	Hrs.	Notes
Fine Arts & Humanities	3	
ELEG 2111 - Electric Circuits Laboratory	1	
ELEG 2113 - Electric Circuits II	3	
PHYS 4013 - Quantum Mech or PHYS 4113 - Adv. Physics Lab	3	
PHYS Elective (3000-4000)	3	
General Elective	2	
Total hours	15	GPA
		APPLY FOR GRADUATION

Semester 3 Course Information	Hrs.	Notes
COMS 2803 - Programming in C	3	
Social Science	3	
MATH 2924 - Calculus II (ACTS = MATH 2505)	4	Milestone
PHYS 2114/2000 - General Physics I (ACTS = PHYS 2034)	4	Milestone
General Elective	3	
Total hours	17	GPA

Semester 7 Course Information	Hrs.	Notes
PHYS 3023 - Mechanics or PHYS 3213 - Modern Physics	3	
PHYS 3133 - Theory of Elec & Mag or PHYS Elective (3000-4000)	3	See Note 1 in Semester 5
*MATH Elective (3000-4000)	3	See exclusions below.
General Elective	3	
Total hours	15	GPA

Semester 4 Course Information	Hrs.	Notes
Biological Science	4	
U.S. History & Government	3	
MATH 2934 - Calculus III (ACTS = MATH 2603)	4	Milestone
PHYS 2124/2010 - General Physics II (ACTS = PHYS 2044)	4	
Total hours	15	GPA
		PHYS ADVISOR ASSIGNED

Semester 8 Course Information	Hrs.	Notes
PHYS 4013 - Quantum Mech or PHYS 4113 - Adv. Physics Lab	3	
PHYS 4991-4 - Spec Prob in Phys & Astron or PHYS 4951 - Research in Phys	1-4	
*MATH Elective (3000-4000)	3	Students must complete 120 hours and achieve a 2.0 GPA or higher with at least 40 hours over 3000 level. No more than 4 hours can be in PE. No more than 12 hours of "D" grades.
General Elective (3000-4000)	3-6	
Total Hours	13	GPA
		Graduation Requirements:

indicates a "C" or better is required

General Electives: 14-17 hours (1000-4000) - (At least 7 hrs. from PHYS, PHSC, BIOL, ENGR, COMS)

*Math Elective Exclusions: Math 3003, 3033, 4113

The Arkansas Course Transfer System (ACTS) is designed to assist in planning the academic progress of students. This system contains information about the transferability of courses within Arkansas public colleges and universities. The Arkansas Course Transfer System can be accessed at <http://acts.adhe.edu/>

Fine Arts and Humanities	U.S. History & Government	Social Sciences
ART 2123 - Experiencing Art (ACTS = ARTA 1003)	HIST 1903 - Survey of American History	ECON 2013 - Princ of Economics II (ACTS = ECON 2203)
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	SOC 1003 - Introductory Sociology (ACTS = SOCI 1013)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877	PSY 2003 - General Psychology (ACTS = PSYC 1103)
ENGL 2173 - Introduction to Film	HIST 2013 - U.S. History II (ACTS = HIST 2123)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)	HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)
ENGL 2003 - Intro to World Literature (ACTS = ENGL2113)	Science with Lab	HIST 2043 - Honors U.S. History to 1877
ENGL 2113 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)	GEOG 2013 - Survey of American History
ENGL 2003 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science	AMST 2003 - American Studies
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)	POLS 2003 - American Government (ACTS = PLSC 2003)
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)	ECON 2003 - Princ of Economics I (ACTS = ECON 2103)
		SPH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
		ECON 2103 - Honors Principles of Economics I
		SPH 2003 - Public Speaking
		SPH 2173 - Business and Professional Speaking