

2023-2024 Degree Map- Associate of Science in Nuclear Technology

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 two 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.atu.edu/catalog/>

Possible Careers Include: Nuclear Monitoring Technician, Nuclear Power Reactor Operator, Health Physics Technician, Well Logging Technician - Oil and Gas Industry

#Prerequisite Courses: ENGL 0303 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 1113 _____ MATH 1110 _____ MATH 1203 _____ MATH 1914 _____

Sample Schedule	Hrs.	Grade	Milestones/Notes
Semester 1			Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#	
Social Sciences	3		
MATH 2914- Calculus I (ACTS= MATH 2405)	4	#	Milestone
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4		Milestone
MCEG 1011 or ELEG 1011- Introduction to Engineering	1		
TECH 1001: Orientation to the University	1		
Total hours	16	GPA	

Sample Schedule	Hrs.	Grade	Milestones/Notes
Semester 2			Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
PHYS 2114/2000- Calculus-Based Physics I (ACTS= PHYS 2034)	4		Milestone
MATH 2924- Calculus II (ACTS= MATH 2505)	4		#C or > required for MATH 2934 Milestone
MCEG 2023- Engineering Materials	3		
Total hours	14	GPA	APPLY FOR GRADUATION

Shaded classes will directly apply toward Bachelor of Science in Mechanical Engineering

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 by searching keyword "ACTS" at <https://adhe.edu/>

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA1003)	HIST 1903 Survey of American History
MUS 2003 Introduction to Music (ACTS=MUSC1003)	HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
ENGL/JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	
1013 from SPAN, FR, GER, JPN, CHIN, or LAT	
1023 from SPAN, FR, GER, JPN, CHIN, or LAT	
LEAD 2003 Ethics in Leadership	

University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.

Sample Schedule	Hrs.	Grade	Milestones/Notes
Semester 3			Semester 3
Social Sciences, Fine Arts & Humanities, OR Communication	3		
Fine Arts & Humanities	3		
U.S. History/Government	3		
MCEG 2013- Statics	3		Milestone
MCEG 3503- Basic Nuclear Engineering	3		
Total hours	15	GPA	

Sample Schedule	Hrs.	Grade	Milestones/Notes
Semester 4			Semester 4
Social Sciences	3		
Fine Arts & Humanities	3		
MCEG 3313- Thermodynamics I	3		
MCEG 3512- Radiation Detection Lab	2		
MCEG 3523- Radiation Health Physics	3		
General Elective**	1		
Total hours	15	GPA	

General Electives: 1 hour (1000-4000 level)

**Should be 3000-4000 level MCEG or ELEG if considering going on for bachelor's degree in

Engineering

indicates a "C" or higher is required

Social Sciences	
HIST 1503 World History to 1500 (ACTS=HIST1113)	ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)
HIST 1513 World History since 1500 (ACTS=HIST1123)	ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	GEOG 2013 Regional Geography of the World (ACTS=GEOG2103)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	AMST 2003 American Studies
HIST 1903 Survey of American History	FIN 2013 Personal Finance
POLS 2003 American Government (ACTS=PLSC2003)	LEAD 1003 Introduction to Leadership
ECON 2003 Principles of Macroeconomics (ACTS=ECON2103)	
ECON 2013 Principles of Microeconomics (ACTS=ECON2203)	
SOC 1003 Introductory Sociology (ACTS=SOCI1013)	
PSY 2003 General Psychology (ACTS=PSYC1103)	