

## 2020-2021 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	Milestones/Notes	
Semester 1	Hrs.	Grade
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#
Social Sciences	3	
MATH 2914- Calculus I (ACTS= MATH 2405)	4	#
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4	
MCEG 1011 or ELEG 1011- Introduction to Engineering	1	
TECH1001: Orientation to the University	1	
Total hours	16	GPA

Semester 2	Hrs.	Grade	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	<b>APPLY FOR GRADUATION</b>

**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 at <https://www.adhe.edu/students-parents/colleges-universities/transfer-info.-for-students/>

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 United States History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors United States History to 1877
ENGL 2173 Introduction to Film	HIST 2013 United States History from 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2183 Honors Introduction to Film	
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	
ENGL 2023 Honors World Literature	
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	
PHIL 2043 Honors Introduction to Philosophy	
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	

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

Semester 4	Hrs.	Grade	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)
HIST 1513 World History since 1500 (ACTS=HIST1123)
HIST 1543 Honors World History to 1500
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
HIST 2043 Honors U.S. History to 1877
HIST 1903 Survey of American History
POLS 2003 American Government (ACTS=PLSC2003)
ECON 2003 Principles of Economics I (ACTS=ECON2103)
ECON 2103 Honors Principles of Economics I
ECON 2103 Honors Principles of Economics II (ACTS=ECON 2203)
SOC 1003 Intro Sociology (ACTS=SOCI 1013)
PSY 2003 General Psychology (ACTS=PSYC 1103)
ANTH 1213 Intro to Anthropology (ACTS=ANTH 1013)
ANTH 2003 Cultural Anthropology (ACTS=ANTH 2013)
GEOG 2013 Rgnl Geog of the World (ACTS=GEOG 2103)
AMST 2003 American Studies