

2025-2026 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 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 <https://catalog.atu.edu/>

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

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes Semester 1
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 and lab	4		
MCEG/ELEG 1011- Introduction to Engineering	1		
TECH 1001- Orientation to the University	1		Meet with Career Services
Total hours	16	GPA	

Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	Draft a résumé and upload it to Handshake
PHYS 2114/2000- Calculus-Based Physics I and lab	4		
MATH 2924- Calculus II (ACTS= MATH 2505)	4		C or > required for MATH 2934
MCEG 2023- Engineering Materials	3		
Total hours	14	GPA	APPLY FOR GRADUATION

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 ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Survey of Music History (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003) ENGL/JOUR 2173 Introduction to Film 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	U.S. History & Government HIST 1903 Survey of American History HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) POLS 2003 American Government (ACTS=PLSC2003) University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.
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Possible Careers: Nuclear Technician, Radiation Protection, Nuclear Power Plant Operator, Nuclear Waste Management Technician. Employable in areas including nuclear power plants, healthcare facilities, and industrial environments

Sample Schedule

Semester 3	Hrs.	Grade	Milestones/Notes Semester 3
Social Sciences/Fine Arts&Humanities/Communication	3		
Fine Arts & Humanities	3		Attend Career fairs on campus
U.S. History/Government	3		Work on resume for interships
MCEG 2013- Statics	3		
MCEG 3503- Basic Nuclear Engineering	3		
Total hours	15	GPA	

Semester 4	Hrs.	Grade	Semester 4
Social Sciences	3		Do a mock interview utilizing Career Services
Fine Arts & Humanities	3		
MCEG 3313- Thermodynamics I	3		
MCEG 3512- Radiation Detection Lab	2		Graduation Requirements: Min. hours required: 60 No more than 4 PE activity hours 2.00+ GPA
MCEG 3523- Radiation Health Physics	3		
*General Elective	1		
Total hours	15	GPA	

General Electives: 1 hour (1000-4000 level)

*Choose 3000-4000 level MCEG or ELEG course if considering BSME-Mechanical Engineering

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

Social Sciences HIST 1503 World History to 1500 (ACTS=HIST1113) HIST 1513 World History since 1500 (ACTS=HIST1123) HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) HIST 1903 Survey of American History POLS 2003 American Government (ACTS=PLSC2003) 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)	Social Sciences ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013) ANTH 2003 Cultural Anthropology (ACTS=ANTH2013) GEOG 2013 Regional Geography of the World (ACTS=GEOG2103) AMST 2003 American Studies FIN 2013 Personal Finance LEAD 1003 Introduction to Leadership
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