

2026-2027 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 ___

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 1	Hrs.	Grade	Milestones/Notes
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#	
Social Sciences	3		
MATH 2914-Calculus I (ACTS= MATH 2405)	4	#	Prereq: MATH ACT >26, or C> in MATH 1203/1914
CHEM 2124/2120-General Chemistry I and lab	4		Prereq: MATH ACT >21, or C> in MATH 1113 or CHEM 1113/1111
TECH 1001-Orientation to the University	1		
MCEG/ELEG 1011-Introduction to Engineering	1		Prereq: C> in MATH 1203/1914 or higher
Total hours	16	GPA	Meet with Career Services

Sample Schedule

Semester 3	Hrs.	Grade	Milestones/Notes
Social Sciences/Fine Arts&Humanities/Communicat	3		
Fine Arts & Humanities	3		Attend Career fairs on campus
U.S. History/Government	3		Work on resume for interships
MCEG 2013-Statics	3		Prereq: MATH 2924 & PHYS 2114
MCEG 3503-Basic Nuclear Engineering	3		Prereq: MATH 2924, CHEM 2124 & PHYS 2114
			Do a mock interview utilizing Career Services
Total hours	15	GPA	

Semester 2	Hrs.	Grade	Milestones/Notes
ENGL 1023-Comp II (ACTS= ENGL 1023)	3	#	
PHYS 2114/2000-Calculus-Based Physics I and lab	4		Coreq: MATH 2914 & PHYS 2000
MATH 2924-Calculus II (ACTS= MATH 2505)	4		Prereq: C> in MATH 2914
MCEG 2023-Engineering Materials	3		Prereq: CHEM 2124
			Draft a résumé and upload it to Handshake
Total hours	14	GPA	APPLY FOR GRADUATION

Semester 4	Hrs.	Grade	Milestones/Notes
MCEG 3313-Thermodynamics I	3		Prereq: MATH 2924 & PHYS 2114
MCEG 3512-Radiation Detection Lab	3		Prereq: ASNT major & MCEG 3503 or 3523
MCEG 3523-Radiation Health Physics	3		Prereq: MATH 2924, CHEM 2124, or consent
Social Sciences	2		Graduation Requirements: Min. hours required: 60 No more than 4 PE activity hours
Fine Arts & Humanities	3		
Elective*	1		
Total hours	15	GPA	2.00+ GPA

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/>

General Electives: 1 hour (1000-4000 level)

*Students interested in obtaining a BSME-MCEG should choose electives 3000-4000 MCEG.

<p>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</p>	<p>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)</p> <p align="center">University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.</p>
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Shaded classes will directly apply toward Bachelor of Science in Mechanical Engineering	
<p>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)</p>	<p>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</p>