

2016-2017 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/academics/catalog/>.

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

#Remedial Courses (if applicable): ENGL 0303 ___ ENGL 0404 ___ READ 0103 ___ MATH 0803 ___ MATH 0903 ___

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			#C or > required for Gen Ed. Milestone
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4			Milestone
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- General Physics I (ACTS= PHYS 2034)	4			Milestone
MATH 2924- Calculus II (ACTS= MATH 2505)	4			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 at <http://acts.adhe.edu/>

Fine Arts and Humanities

ART 2123 Experiencing Art (ACTS=ARTA 1003)
 MUS 2003 Intro to Music (ACTS=MUSC 1003)
 TH 2273 Intro to Theatre (ACTS =DRAM 1003)
 ENGL 2173 Intro to Film
 JOUR 2173 Intro to Film
 ENGL 2003 Intro to World Literature (ACTS=ENGL 2113)
 ENGL 2013 Intro to American Literature (ACTS=ENGL 2653)
 ENGL 2023 Honors World Literature
 PHIL 2003 Intro to Philosophy (ACTS=PHIL 1103)
 PHIL 2043 Honors Introduction to Philosophy

U.S. History & Government

HIST 1903 Survey of American History
 HIST 2003 United States History to 1877 (ACTS=HIST2113)
 HIST 2043 Honors United States History to 1877
 HIST 2013 United States History from 1877 (ACTS=HIST2123)
 POLS 2003 American Government (ACTS=PLSC2003)

Prerequisites (if applicable): MATH 1914 (ACTS=MATH1305) ___ OR MATH 1203 (ACTS=MATH1203) ___

Sample Schedule

Semester 3		Hrs.	Grade	Milestones/Notes
Social Sciences, Fine Arts & Humanities, OR Communication	3			Only Fine Arts/Hum will apply to MCEG
Fine Arts & Humanities	3			
U.S. History/Government	3			
MCEG 2013- Statics	3			Milestone
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 Civilization to 1500 (ACTS=HIST1113)	ECON 2103 Honors Principles of Economics I
HIST 1513 World Civilization since 1500 (ACTS=HIST1123)	ECON 2013 Principles of Economics II (ACTS=ECON 2203)
HIST 1543 Honors World Civilization to 1500	SOC 1003 Intro Sociology (ACTS=SOCI 1013)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	PSY 2003 General Psychology (ACTS=PSYC 1103)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	ANTH 1213 Intro to Anthropology (ACTS=ANTH 1013)
HIST 2043 Honors U.S. History to 1877	ANTH 2003 Cultural Anthropology (ACTS=ANTH 2013)
HIST 1903 Survey of American History	GEOG 2013 Rgnl Geog of the World (ACTS=GEOG 2103)
POLS 2003 American Government (ACTS=PLSC2003)	AMST 2003 American Studies
ECON 2003 Principles of Economics I (ACTS=ECON2103)	AGBU 2063 Prin Agri Macroeconomics
ECON 2103 Honors Principles of Economics I	AGBU 2073 Prin Agri Microeconomics