

2025-2026 Degree Map- Associate of Science in Manufacturing

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		Meet with Career Services to discuss opportunities and explore resources	
TECH 1001- Orientation to the University	1			
Total hours	16	GPA		

Semester 2	Hrs.	Grade	Milestones/Notes	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	Create a LinkedIn profile	
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 1002- Engineering Graphics	2			
MCEG 2023- Engineering Materials	3			
Total hours	16	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: Manufacturing Technician/Operator, Quality Control, Materials, Engineering Technician, Supply Chain Coordinator

Sample Schedule

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
MCEG 2013- Statics	3		Attend Career fairs on campus	
STAT 3153- Applied Statistics	3		Work on resume for internships	
Social Sciences/Fine Arts&Humanities/Communication	3			
Fine Arts & Humanities	3			
U.S. History/Government	3			
Total hours	15	GPA		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
Social Sciences	3		Do a mock interview utilizing Career Services	
Fine Arts & Humanities	3			
MCEG 3013- Mechanics of Materials	3			
MCEG 3023- Manufacturing Processes	3		Graduation Requirements: Min. hours required- 60 No more than 4 PE activity hours 2.00+ GPA	
MCEG 3612- Manufacturing Lab	2			
STAT 3183- Statistical Process Control	3			
Total hours	17	GPA		

indicates a "C" or higher is required

Shaded classes will directly apply toward BS 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=SOC11013) 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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