

2026-2027 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 ___

Possible Careers: Manufacturing Technician/Operator, Quality Control, Materials, Engineering Technician, Supply Chain Coordinator

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#	Meet with Career Services to discuss opportunities and explore resources	
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		

Sample Schedule

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
MCEG 2013-Statics	3		Prereq: MATH 2924 and PHYS 2114	
STAT 3153-Applied Statistics	3		Prereq: C> in MATH 2924	
Social Sci./Fine Arts/Humanities/Comm	3			
Fine Arts & Humanities	3		Attend Career fairs on campus	
U.S. History/Government	3		Work on resume for interships	
Total hours	15	GPA	Do a mock interview utilizing Career Services	

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		Coreq: MATH 2914	
MATH 2924-Calculus II (ACTS= MATH 2505)	4		Prereq: C> in MATH 2914	
MCEG 1002-Engineering Graphics	2			
MCEG 2023-Engineering Materials	3		Prereq: CHEM 2124	
Total hours	16	GPA	APPLY FOR GRADUATION	

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
MCEG 3013-Mechanics of Materials	3		Prereq: MCEG 2013	
MCEG 3023-Manufacturing Processes	3		Prereq: MCEG 2023 and 3013	
MCEG 3612-Manufacturing Lab	3		Prereq: MCEG 2023 Coreq: MCEG 3023	
Social Sciences	3		Graduation Requirements: Min. hours required 60 No more than 4 PE activity hours 2.00+ GPA	
Fine Arts & Humanities	2			
STAT 3183-Statistical Process Control	3			
Total hours	17	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/>

indicates a "C" or higher is required

Shaded classes will directly apply toward BS in Mechanical Engineering

Fine Arts and Humanities	U.S. History & Government
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	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.	

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)
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