

2023-2024 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 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/catalog/>

Possible Careers Include: Maintenance Supervisor, Facilities Manager, Supply Chain Manager, Manufacturing Technician

#Prerequisite Courses: ENGL 0303 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 1113 _____ MATH 1110 _____ MATH 1203 _____ MATH 1914 _____

Sample Schedule	Milestones/Notes	
Semester 1	Hrs.	Grade
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#
Social Sciences	3	
MATH 2914- Calculus I (ACTS= MATH 2405)	4	# Milestone
CHEM 1214/2120- General Chemistry I (ACTS= CHEM 1414)	4	Milestone
MCEG 1011 or ELEG 1011- Introduction to Engineering	1	
TECH 1001: Orientation to the University	1	
Total hours	16	GPA

Sample Schedule	Milestones/Notes	
Semester 2	Hrs.	Grade
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#
PHYS 2114/2000- Calculus-Based Physics I (ACTS= PHYS 2034)	4	Milestone
MATH 2924- Calculus II (ACTS= MATH 2505)	4	#C or > required for MATH 2934 Milestone
MCEG 1002- Engineering Graphics	2	
MCEG 2023- Engineering Materials	3	
Total hours	16	GPA

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 by searching keyword "ACTS" at <https://adhe.edu/>

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Introduction to Music (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)

Sample Schedule	Milestones/Notes	
Semester 3	Hrs.	Grade
MCEG 2013- Statics	3	Milestone
STAT 3153- Applied Statistics	3	
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	
Total hours	15	GPA

Sample Schedule	Milestones/Notes	
Semester 4	Hrs.	Grade
Social Sciences	3	
Fine Arts & Humanities	3	
MCEG 3013- Mechanics of Materials	3	
MCEG 3023- Manufacturing Processes	3	
MCEG 3612- Manufacturing Lab	2	
STAT 3183- Statistical Process Control	3	
Total hours	17	GPA

Graduation Requirements:
 Min. hours required- 60
 No more than 4 PE activity hours
 2.00+ GPA

indicates a "C" or higher is required

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)

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

University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.