

**Transfer Degree Plan
Associate of Applied Science Computerized Machining Technology
(ASUB)**



Bachelor of Applied Science (ATU)

ASU Beebe (60 credit hours)

University Requirements (1 or 3 hours)			ATU equivalent	Hours
UNIV	10001	Principles of Academic Success I	TECH 1001 Orientation to the University	1
UNIV	10003	Principles of Academic Success III	GENL General Elective Credit	3

**the 3-hour credit course is required for students who must take at least one remedial course. Students who are not required to take a remedial course may take the 3-hour credit course. In both situations, the courses (1-hour or 3-hour) count towards electives.*

General Education Core (12 hours)			ATU equivalent	Hours
ENGL	10103	Freshman English I	ENGL 1013 Composition I	3
ENGL	10203	Freshman English II	ENGL 1023 Composition II	3
MATH	10103	Technical Mathematics*	NT XXXX Non-Transferable Course	3
PSYc	11003	Introduction to Psychology**	PSY 2003 General Psychology	3

**ASUB students should consider taking higher level MATH course to satisfy requirements at ATU.*

***Students transferring to ATU should take PSY 2013.*

Computerized Machining Technology			ATU equivalent	Hours
MSTE	10103	CAD/CAM I	GENL 1XXX General Education Credit	3
MSTE	11003	Prototyping I	GENL 1XXX General Education Credit	3
MSTE	12003	Basic Machining	GENL 1XXX General Education Credit	3
MSTE	25343	CAD/CAM II	GENL 1XXX General Education Credit	3
MSTE	21003	Prototyping II	GENL 2XXX General Education Credit	3
MSTE	27003	Advanced Machining	GENL 2XXX General Education Credit	3
MSTE	13003	CNC I	GENL 1XXX General Education Credit	3
MSTE	13103	CNC II	GENL 1XXX General Education Credit	3
MSTE	21103	Industrial Environment	GENL 2XXX General Education Credit	3
MSTE	21203	Concept to Production	GENL 2XXX General Education Credit	3
MSTE	23103	CNC III	GENL 2XXX General Education Credit	3
MSTE	20202	Metrology I	GENL 2XXX General Education Credit	2
MSTE	20103	CAD/CAM III	GENL 2XXX General Education Credit	3
MSTE	24103	Manufacturing Materials & Processes	GENL 2XXX General Education Credit	3

Technical Related Electives (7 hours)

Choose 7 hours of technical electives in consultation with your advisor. Suggestions include courses from the following: CADD, CTE, Industrial Technology, Machining and Welding.

Arkansas Tech University Courses (68 credit hours)

Bachelor of Applied Sciences Required Courses

		SCIL 1XXX Lab Science Electives ¹	8
		SS 1XXX Social Science Elective ¹	3
		Fine Arts and Humanities Electives ¹	6
		USHG 1XXX U.S. History and Government ¹	3
		MATH 1XXX Mathematics ¹	3
COMM	1003	Introduction to Communication	3
COMM	2003	Public Speaking	
COMM	2173	Business and Professional Speaking	
PSY	3093	Industrial and Organizational Psychology	3
OL	3133	Principles of Personnel Management	3
OL	3023	Professional Communications	3
OL	4043	Ethical Decision-Making and Development ²	3
OL	4443	Professional Leadership	3
OL	4543	Workplace Supervision	3
OL	4643	Organizational Culture ²	3
OL	4743	Or Organizational Change	
OL	4963	Organizational Leadership Capstone	3
BAS	4253	Quality Control	3
BAS	4353	Project Management	3
BAS	4363	Project Risk Analysis and Mitigation	3
BAS	4373	Leading Agile Projects	3
BAS	4453	Root Cause Analysis	3
BAS	4553	Occupational Safety	3

¹See appropriate alternatives or substitutions in "[General Education Requirements](#)."

²This program partners the Applied Science undergraduate degree with the Master of Arts (MA) Organizational Leadership and Learning degree. A maximum of six (6) graduate level credit hours can be counted towards both the Bachelor Applied Science degree in Applied Science and the MA Organizational Leadership and Learning degree. Students can choose from any 5000-6000 level OL course offered in the MA Organizational Leadership and Learning degree, with the exception of [OL 6093](#) Organizational Development and Learning Capstone.