



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



**Bachelor of Applied Science (ATU)**  
**2024-25**

**ASU Beebe (60 credit hours)**

University Requirements (1 or 3 hours)			ATU equivalent	Hours
UNIV	1001	Principles of Academic Success I	TECH 1001 Orientation to the University	1
UNIV	1003	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	1003	Freshman English I	ENGL 1013 Composition I	3
ENGL	1013	Freshman English II	ENGL 1023 Composition II	3
MATH	1013	Technical Mathematics*	NT XXXX Non-Transferable Course	3
PSY	2013	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
CMT	1013	CAD/CAM I	GENL 1XXX General Education Credit	3
CMT	1103	Prototyping I	GENL 1XXX General Education Credit	3
CMT	1203	Basic Machining	GENL 1XXX General Education Credit	3
CMT	1023	CAD/CAM II	GENL 1XXX General Education Credit	3
CMT	2103	Prototyping II	GENL 2XXX General Education Credit	3
CMT	2703	Advanced Machining	GENL 2XXX General Education Credit	3
CMT	1303	CNC I	GENL 1XXX General Education Credit	3
CMT	1313	CNC II	GENL 1XXX General Education Credit	3
CMT	2113	Industrial Environment	GENL 2XXX General Education Credit	3
CMT	2123	Concept to Production	GENL 2XXX General Education Credit	3
CMT	2313	CNC III	GENL 2XXX General Education Credit	3
CMT	2022	Metrology I	GENL 2XXX General Education Credit	2
CMT	2013	CAD/CAM III	GENL 2XXX General Education Credit	3
CMT	2413	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	8
		SS 1XXX Social Science Elective	3
		Fine Arts and Humanities Electives	6
		USHG 1XXX U.S. History and Government	3
		MATH 1XXX Mathematics	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 Communication	3
OL	4043	Ethical Leadership	3
OL	4443	Professional Leadership	3
OL	4543	Workplace Supervision	3
OL	4643	Occupational Globalization and Diversity <i>or</i>	3
OL	4743	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