2+2 Degree Plan
Associate of Applied Science
Medical Laboratory Technology - ASUB

Bachelor of Applied Science – ATU
2025-26

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.

FIRST YEAR

First Semester – 17 hours

			ATU equivalent	Hours
ENGL	1003	Freshman English I	ENGL 1013 Composition I	3
CIS	1503	Microcomputer Applications	COMS 1003 Introduction to Computer Based Systems	3
BIOL	1014	Principles of Biology	BIOL 1114 Principles of Biology	4
MATH	1013	Technical Mathematics (or higher)*	NT XXXX Non-Transferable	3
CHEM	1014	General Chemistry I	CHEM 2120 General Chemistry Lab I *and* CHEM 2124 General Chemistry I	4

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

Second Semester – 17 hours

			ATU equivalent	Hours
ENGL	1013	Freshman English II	ENGL 1023 Composition II	3
ZOOL	1014	Basic Human Anatomy and Physiology	BIOL 2004 Basic Human Anatomy and Physiology	4
BIOL	2104	Microbiology	BIOL 2054 Microbiology for Health Sciences	4
MST	1203	Orientation to the Clinical Lab	GENL 1XXX General Elective Credit	3
PSY	2013	Introduction to Psychology*	PSY 2003 General Psychology	3

*Students planning to transfer to ATU should take PSY 2013.

SECOND YEAR

Second Year, Summer Session II – 6 hours

			ATU equivalent	Hours
MLT	2213	Clinical Microscopy	GENL 2XXX General Elective Credit	3
MLT	2223	Clinical Practicum I	GENL 2XXX General Elective Credit	3

Second Year, First Semester (Fall Only)– 16 hours

			ATU equivalent	Hours
MLT	2254	Clinical Chemistry	GENL 2XXX General Elective Credit	4

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MLT	2244	Clinical Practicum II	GENL 2XXX General Elective Credit	4
MLT	2234	Clinical Hematology	GENL 2XXX General Elective Credit	4
MLT	2264	Clinical Practicum III	GENL 2XXX General Elective Credit	4

Second Year, Second Semester (Spring Only)– 16 hours			ATU equivalent	Hours
MLT	2274	Clinical Microbiology	GENL 2XXX General Elective Credit	4
MLT	2284	Clinical Practicum IV	GENL 2XXX General Elective Credit	4
MLT	2294	Clinical Serology/Immunohematology	GENL 2XXX General Elective Credit	4
MLT	2314	Clinical Practicum V	GENL 2XXX General Elective Credit	4

Arkansas Tech University Courses (66 credit hours)

		FAH 1XXX Fine Arts and Humanities[1]	6
		USHG 1XXX U.S. History or Government[1]	3
		SS 1XXX Social Science[1]	3
		MATH XXXX Mathematics[1]	3
COMM	1003	Introduction to Communication or	3
COMM	2003	Public Speaking or	
COMM	2173	Business and Professional Speaking	
PSY	3093	Industrial and Organizational Psychology	3
OL/PS	3133	Principles of Personnel Management	3
OL/PS	3023	Professional Communications	3
OL/PS	4043	Ethical Decision-Making and Development[2]	3
OL/PS	4443	Professional Leadership	3
OL/PS	4543	Workplace Supervision	3
OL/PS	4643	Organizational Culture[2] or	3
OL/PS	4743	Organizational Change	
OL/PS	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
		Elective Credit	6

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

[2]This 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.