

2+2 Degree Plan
Associate of Applied Science
Medical Laboratory 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.*

FIRST YEAR

First Semester – 17 hours			ATU equivalent	Hours
ENGL	10103	Freshman English I	ENGL 1013 Composition I	100 03
CPSI	10003	Microcomputer Applications	COMS 1003 Introduction to Computer Based Systems	3
BIOL	10104	Principles of Biology	BIOL 1114 Principles of Biology	4
MATH	11103	Technical Mathematics (or higher)*	NT XXXX Non-Transferable	3
CHEM	14104	General Chemistry I	CHEM 2120 General Chemistry Lab I <i>and</i> 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	10203	Freshman English II	ENGL 1023 Composition II	3
BIOL	23394	Basic Human Anatomy and Physiology	BIOL 2004 Basic Human Anatomy and Physiology	4
BIOL	20004	Microbiology	BIOL 2054 Microbiology for Health Sciences	4
MLSC	11403	Orientation to the Clinical Lab	GENL 1XXX General Elective Credit	3
PSYC	11003	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
MLSC	22103	Clinical Microscopy	GENL 2XXX General Elective Credit	3
MLSC	22203	Clinical Practicum I	GENL 2XXX General Elective Credit	3

Second Year, First Semester (Fall Only)– 16 hours			ATU equivalent	Hours
MLSC	22504	Clinical Chemistry	GENL 2XXX General Elective Credit	4
MLSC	22404	Clinical Practicum II	GENL 2XXX General Elective Credit	4
MLSC	22304	Clinical Hematology	GENL 2XXX General Elective Credit	4
MLSC	22604	Clinical Practicum III	GENL 2XXX General Elective Credit	4

Second Year, Second Semester (Spring Only)– 16 hours			ATU equivalent	Hours
MLSC	22704	Clinical Microbiology	GENL 2XXX General Elective Credit	4
MLSC	22804	Clinical Practicum IV	GENL 2XXX General Elective Credit	4
MLSC	22904	Clinical Serology/Immunohematology	GENL 2XXX General Elective Credit	4
MLSC	23104	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 COMM COMM	1003 2003 2173	Introduction to Communication or Public Speaking or Business and Professional Speaking	3
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 OL/PS	4643 4743	Organizational Culture ² or Organizational Change	3
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

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.