

2+2 Degree Plan

A.A.S. in Industrial Maintenance Technology – BRTC

Bachelor of Applied Science – ATU

Black River Technical College (60 credit hours)

English/Communications (6 hours)

			ATU equivalent	Hours
ENG	1003	Freshman English I	ENGL 1013 Composition I ¹	3
ENG	1013	Freshman English II	ENGL 1023 Composition II ¹	3

Math (3 hours)

			ATU equivalent	Hours
MATH	1053	Math Reasoning/QL or higher	MATH 1003 College Mathematics ¹	3

***Must make a “C” or better**

Business Foundation (6 hours)

			ATU equivalent	Hours
CA	1903	Introduction to Computer Concepts	Elective Credit	3
MGMT	2603	Leadership Issues OR	Elective Credit	3
MGMT	2613	Principles of Supervision	Elective Credit	

Industrial Maintenance Foundation (3 hours)

			ATU equivalent	Hours
IMT	1703	Hydraulics	Elective Credit	3

Industrial Electricity Foundation (24 hours)

			ATU equivalent	Hours
ELT	1004	Basic Electricity/Electronics	Elective Credit	4
ELT	1204	AC/DC Fundamentals	Elective Credit	4
ELT	1804	Motors and Motor Controls	Elective Credit	4
ELT	1704	Industrial Electrical Systems	Elective Credit	4
ELT	1504	Electronic Circuits	Elective Credit	4
ELT	1604	Programmable Logic Control Technology	Elective Credit	4
MEH	1103	Introduction to Machine Processes	Elective Credit	3
MEH	1203	Basic Blueprint Reading	Elective Credit	3
MEH	1503	Fundamentals of CNC	Elective Credit	3
WLD	1003	Gas Shield Arc Welding	Elective Credit	3
WLD	1023	MIG Welding	Elective Credit	3

Machine Tool Technology Foundation (9 hours)

			ATU equivalent	Hours
MEH	1103	Introduction to Machine Processes	Elective Credit	3
MEH	1203	Basic Blueprint Reading	Elective Credit	3
MEH	1503	Fundamentals of CNC	Elective Credit	3
WLD	1003	Gas Shield Arc Welding	Elective Credit	3
WLD	1023	MIG Welding	Elective Credit	3

Welding Technology Foundation (6 hours)

			ATU equivalent	Hours
WLD	1003	Gas Shield Arc Welding	Elective Credit	3

WLD	1023	MIG Welding	Elective Credit	3
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Social Science Elective (3 hours) *pick one*
ATU equivalent
Hours

PSY	2513	Introduction to Psychology	PSY 2003 General Psychology	3
ANTH	2233	Intro to Cultural Anthropology	ANTH 2003 Cultural Anthropology	3
SOC	2213	Principles of Sociology	SOC 1003 Introductory Sociology	3
POSC	2103	U.S. Government	POLS 2003 American Government	3
ECON	2313	Principles of Microeconomics	ECON 2003 Microeconomics	3

Arkansas Tech University Courses (65 credit hours)

TECH	1001	Orientation to the University ³	Waive
COMM	1003	Introduction to Communication <i>or</i>	3
COMM	2003	Public Speaking <i>or</i>	
COMM	2173	Business and Professional Speaking	
SS	1XXX	Social Science Course ¹	3
SCIL	1XXX	Science with Lab ¹	8
FAH	1XXX	Fine Arts and Humanities ¹	6
USHG	1XXX	U.S. History and Government ¹	3
OL/PS	3023	Professional Communications	3
PSY	3093	Industrial and Organizational Psychology	3
OL/PS	3133	Principles of Personnel Management	3
OL	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 <i>or</i>	3
OL/PS	4743	Organizational Change	
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
OL/PS	4963	Organizational Leadership Capstone	3

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.

³ Waive for BRTC students transferring to ATU