



**2+2 Degree Plan**  
**A.A.S. in Industrial Maintenance Technology – BRTC**  
 to  
**Bachelor of Applied Science – ATU**  
**Catalog Year 2024-25**



**Black River Technical College (60 credit hours)**

<b>English/Communications (6 hours)</b>			<b>ATU equivalent</b>	<b>Hours</b>
ENG	1003	Freshman English I	ENGL 1013 Composition I	3
ENG	1013	Freshman English II	ENGL 1023 Composition II	3

<b>Math (3 hours)</b>			<b>ATU equivalent</b>	<b>Hours</b>
MATH	1053	Math Reasoning/QL or higher	MATH 1003 College Mathematics	3

**\*Must make a “C” or better**

<b>Business Foundation (6 hours)</b>			<b>ATU equivalent</b>	<b>Hours</b>
CA	1903	Introduction to Computer Concepts	Elective Credit	3
MGMT	2603	Leadership Issues <b>OR</b>	Elective Credit	3
MGMT	2613	Principles of Supervision	Elective Credit	

<b>Industrial Maintenance Foundation (3 hours)</b>			<b>ATU equivalent</b>	<b>Hours</b>
IMT	1703	Hydraulics	Elective Credit	3

<b>Industrial Electricity Foundation (24 hours)</b>			<b>ATU equivalent</b>	<b>Hours</b>
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

<b>Machine Tool Technology Foundation (9 hours)</b>			<b>ATU equivalent</b>	<b>Hours</b>
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

<b>Welding Technology Foundation (6 hours)</b>			<b>ATU equivalent</b>	<b>Hours</b>
WLD	1003	Gas Shield Arc Welding	Elective Credit	3
WLD	1023	MIG Welding	Elective Credit	3

<b>Social Science Elective (3 hours) <i>pick one</i></b>			<b>ATU equivalent</b>	<b>Hours</b>
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 <sup>1</sup>		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 Courses		3
SCIL	1XXX	Science with Lab		8
FAH	1XXX	Fine Arts and Humanities		6
		USHG 1XXX U.S. History and Government		3
OL/PS	3023	Professional Communication		3
PSY	3093	Industrial and Organizational Psychology		3
OL/PS	3133	Principles of Personnel Management		3
OL	4043	Ethical Leadership		3
OL/PS	4443	Professional Leadership		3
OL/PS	4543	Workplace Supervision		3
OL/PS	4643	Occupational Globalization & Diversity <i>or</i>		3
OL/PS	4743	Organizational Change		
BAS	4253	Quality Control and Continuous Improvement		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

<sup>1</sup>Waive for BRTC students transferring to ATU