

ATTACHMENT A
PROGRAM OF STUDY
Associate of Applied Science in Industrial Technology – Welding/Metal Fabrication

Northeast State Community College			
Year 1			
Semester 1	SCH	Semester 2	SCH
EDUC 1030 – College and Lifelong Learning	3	ENST 1350 – Industrial Safety	3
MATH 1050 – Trigonometric Applications	4	PHYS 1030 – Survey of Physics or PSCI 1010 – Principles of Physical Science	4
WELD 1060 – General Welding	4	WELD 1130 – Fabrication Tools and Processes	3
WELD 1070 – Applied Welding	4	WELD 2110 – Inert Gas Arc Welding	3
ENGL 1010 – English Composition I	3	WELD 1210 – Welding Blueprints	3
Total	18	Total	16
Year 2			
Semester 1	SCH	Semester 2	SCH
Behavioral/Social Science Elective ¹	3	COMM 2025 – Fundamentals of Communication or COMM 2045 – Public Speaking	3
INTC 1010 – Quality and Inspection	3	Humanities Elective ¹	3
INTC 1030 – Industrial Concepts	3	WELD 1410 – Metallurgy and Materials Testing	2
WELD 1010 – Pattern Development	3	WELD 2150 – Properties of Special Materials	2
WELD 2120 – Pipe Welding	4	WELD 2220 – Pipe Welding II	3
	16		13
		Total	63

¹Course selected from approved general education course list ([Northeast State Community College General Education Course List](#)).

Course Equivalency Table			
Northeast State Community College Course	SCH	East Tennessee State University Course	SCH
EDUC 1030 – College and Lifelong Learning	3	ETSU 1020 – Foundations of Student Success	3
ENGL 1010 – English Composition I	3	ENGL 1010 – English Composition I	3
Humanities Elective ¹	3	Humanities Elective	3
Behavioral/Social Science Elective ¹	3	Social and Behavioral Science Elective	3
MATH 1050 – Trigonometric Applications	4	Math Elective	3
COMM 2025 – Fundamentals of Communication or COMM 2045 – Public Speaking	3	COMM 2025- Fundamentals of Communication or COMM 2045 – Public Speaking	3
PHYS 1030 – Survey of Physics or PSCI 1010 – Principles of Physical Science	4	PHYS 1030- Intro Physics Survey	4
WELD 1060 – General Welding	4	Elective	4
WELD 1070 – Applied Welding	4	Elective	4
ENST 1350 – Industrial Safety	3	Elective	3
WELD 1130 – Fabrication Tools and Processes	3	Elective	3
WELD 2110 – Inert Gas Arc Welding	3	Elective	3
WELD 1210 – Welding Blueprints	3	Elective	3
INTC 1010 – Quality and Inspection	3	Elective	3
INTC 1030 – Industrial Concepts	3	Elective	3
WELD 1010 – Pattern Development	3	Elective	3
WELD 2120 – Pipe Welding	4	Elective	4
WELD 1410 – Metallurgy and Materials Testing	2	Elective	2
WELD 2150 – Properties of Special Materials	2	Elective	2
WELD 2220 – Pipe Welding II	3	Elective	3
Total Hours at Northeast State	63	Total Hours Transferred to ETSU	63

¹ Course selected from approved general education course list ([Northeast State Community College General Education Course List](#)).

ATTACHMENT B
ACADEMIC PLAN
Bachelor of Applied Science in Industrial Leadership

East Tennessee State University			
Year 3			
Fall	SCH	Spring	SCH
Growing as an Individual	3	Electives ¹	9
History	3	Humanities or History	3
CSCI 1100/1150- Using Information Technology	3	CDST 2200-Interdisciplinary Learning and Multimedia Presentations	1
ECON 2210- Principles of Macroeconomics	3	CDST 2300- The Interdisciplinary E Portfolio and It's Applications	1
ENGL 1020- Written Communication & Critical Thinking	3	CDST 3000-Workforce Skills	3
	15		17
Fall		Spring	
CDST 3100- Interdisciplinary Design Thinking	3	CDST 4210- Senior Capstone	3
CDST -4110 Research Invention	2	CDST 4950- Special Topics in Interdisciplinary Studies	3
MGMT 3000- Organizational Behavior and Management	3	Cultivate Artistic Awareness or Humanities ²	3
ENTC 3030- Technical Communication	3	Critical Thinking Course	3
ENTC 4017- Industrial Supervision	3		
	14		12
Total			58

¹Choose 9 credits from LEAD 4467; SCMT 3100; ENTC 4777, 2060; MGMT 3310; or PSYC 3340

²Whichever not completed at Northeast State

Total Degree Hours:

- Northeast State-63
- East Tennessee State University-58
- **Total -121**