

ATTACHMENT A
PROGRAM OF STUDY
Associate of Applied Science in Industrial Technology – Machine Tool

Northeast State Community College			
Year 1			
Semester 1	SCH	Semester 2	SCH
EDUC 1030 – College and Lifelong Learning	3	ENGL 1010 – English Composition I	3
INTC 1010 – Quality and Inspection	3	ENST 1350 – Industrial Safety	3
MATH 1050 – Trigonometric Applications	4	MATT 1120 – Machine Tool Operations II	4
MATT 1110 – Machine Tool Operations I	4	MATT 2210 – Materials and Manufacturing Processes	3
MATT 1510 – Blueprint Reading for the Machine Trades	3	MFGT 2310 – CNC Programming I	3
Total	17	Total	16
Year 2			
Semester 1	SCH	Semester 2	SCH
Humanities Elective ¹	3	Behavioral/Social Science Elective ²	3
INTC 1030 – Industrial Concepts	3	MATT 2510 – Tool and Die Making	4
MATT 2130 – Machine Tool Operations III	4	MFGT 2410 – Master Cam I	3
MFGT 2320 – CNC Machine Operations I	3	PHYS 1030 – Survey of Physics or PSCI 1010 – Principles of Physical Science	4
COMM 2025 – Fundamentals of Communication or COMM 2045 – Public Speaking	3		
	16		14
		Total	63

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

²ECON 2100- Principles of Macroeconomics advised for transfer to ETSU.

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
ECON 2100- Principles of Macroeconomics	3	ECON 2210- Principles of Macroeconomics	3
MATH 1050 – Trigonometric Applications	4	Math Elective	4
COMM 2025 – Fundamentals of Communication or COMM 2045 – Public Speaking	3	Communication Elective	3
PHYS 1030 – Survey of Physics or PSCI 1010 – Principles of Physical Science	4	Science Elective	4
INTC 1010 – Quality and Inspection	3	Elective	3
MATT 1110 – Machine Tool Operations I	4	Elective	4
MATT 1510 – Blueprint Reading for the Machine Trades	3	Elective	3
ENST 1350 – Industrial Safety	3	Elective	3
MATT 1120 – Machine Tool Operations II	4	Elective	4
MATT 2210 – Materials and Manufacturing Processes	3	Elective	3
MFGT 2310 – CNC Programming I	3	Elective	3
INTC 1030 – Industrial Concepts	3	Elective	3
MATT 2130 – Machine Tool Operations III	4	Elective	4
MFGT 2320 – CNC Machine Operations I	3	Elective	3
MATT 2510 – Tool and Die Making	4	Elective	4
MFGT 2410 – Master Cam I	3	Elective	3
Total Hours at Northeast State	63	Total Hours Transferred to ETSU	63

¹Course 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 Elective	3	CDST 2200 – Interdisciplinary Learning and Multimedia Presentations	1
CSCI 1100/1150 – Using Information Technology and Lab	3	Humanities or History Elective	3
Natural Science or Social and Behavioral Science Elective	3-4	CDST 2300 – The Interdisciplinary e-Portfolio and Its Applications	1
ENGL 1020 – Written Communication and Critical Thinking	3		
	15-16		14
Fall		Spring	
CDST 3100 – Interdisciplinary Design Thinking	3	CDST 4210 – Senior Capstone	3
CDST 4110 – Research Invention	2	Cultivate Artistic Awareness or Humanities ²	3
ENTC 4017 – Industrial Supervision	3	CDST 4950 – Special Topics in Interdisciplinary Studies	3
ENTC 3030 – Technical Communication	3	Critical Thinking Course	3
MGMT 3000 – Organizational Behavior and Management	3	CDST 3000 – Workforce Skills	3
	14		15
		Total	58

¹Please choose 9 credit hours from: LEAD 4467; MGMT 3100, 3310; ENTC 2060, 4777; or PSYC 3340

²Whichever not completed at Northeast State

TOTAL DEGREE HOURS:

- Northeast State – 63
- East Tennessee State University – 58
- **TOTAL – 121**