



Northern Illinois
University



Transfer Degree Plan

Sauk Valley Community College: AAS – Multicraft Technology

Northern Illinois University: BS – Engineering Technology, Applied Manufacturing Technology

A [Bachelor of Science degree in applied manufacturing technology \(BS-AMT\)](#) from NIU builds on your technical coursework and develops your leadership skills, while preparing you to advance in your career and increase your earning potential.

This program is ideal for students who have completed (or are working towards the completion of) a technology-oriented associate degree at a community college. A technology-oriented associate degree prepares students for a career in manufacturing, automotive, mechanical, electrical, industrial, instrumentation, construction, energy, drafting, information technology, or closely related technical fields.

The BS-AMT degree track allows you to transfer in 90 credits from your local community college.

Then earn 30 hours of upper division credit at NIU-DeKalb or completely in live-online evening courses.

Major Field Requirements - 43 Hours

Course #	Course Title	Hours	NIU Equivalent
EET245	Programmable Controllers	3 Hours	TECH 325 Programmable Electronic Controllers
EET261	Adv Programmable Controllers	3 Hours	TECH 425 Adv Program Electronic Control
ELT120	Fund of Elec w/ Applied Math	3 Hours	
ELT259	Industrial & Agric Wiring	3 Hours	
ELT262	Electrical Controls	3 Hours	TECH 101TR Major Elective
IND108	Introduction to CAD	2 Hours	
IND118	Mechanical Systems	3 Hours	
IND218	Fluid Power	3 Hours	
IND219	Industrial Troubleshooting	3 Hours	
IND250	Industrial Internship	1 Hour	
WLD101	Industrial MIG Welding	2 Hours	
WLD102 OR WLD103	Shielded Metal Arc Welding MIG Welding	3 Hours 3 Hours	
WLD106	Welding Fundamentals	2 Hours	
	Emphasis Electives (See SVCC Catalog)	9-10 Hours	

General Education Requirements - 16 Hours

Course #	Course Title	Hours	NIU Equivalent
ENG101	Composition I	3 Hours	ENGL 103 Rhetoric and Composition I
ENG111	Bus/Technical Communication	3 Hours	TECH 302 Presentation and Communication Skills for Technology
	Humanities / Fine Arts	3 Hours	Select a course from Creativity and Critical Analysis
	Social / Behavioral Science	3 Hours	Select a course from Society and Culture
PHY175	Introduction to Physics	4 Hours	PHYS 150 Physics PHYS 151 Physics Laboratory

SVCC Degree Requirement - 1 Hour

Course #	Course Title	Hours	NIU Equivalent
FYE101	First Year Experience	1 Hour	UNIV 101 University Experience

Additional AMT Prerequisites and NIU University Degree Requirements – 31 Hours

Course #	Course Title	Hours	NIU Equivalent
MAT 122	Trigonometry	3 Hours	MATH 155 Trigonometry and Elementary Functions
CHE 103	Introduction to Chemistry	4 Hours	CHEM 110 Chemistry CHEM 111 Chemistry Laboratory
Mat 240	Elementary Statistics	3 Hours	STAT 100 Basic Statistics
EGR 103	Engineering Graphics	3 Hours	TECH 211 Computer-Aided Design
*IND 203	Adv Machining & Manufac Proc	3 Hours	TECH 265 Basic Manufacturing Processes
ENG 103	Composition II	3 Hours	ENGL 203 Rhetoric and Composition II
COM 131	Intro to Oral Communication	3 Hours	COMS 100 Fundamentals of Oral Communication
	Humanities / Fine Arts	3 Hours	Select a course from Creativity and Critical Analysis
	Social / Behavioral Science	3 Hours	Select a course from Society and Culture
	General Education	3 Hours	Select a course from any of the NIU Knowledge Domains - Creativity and Critical Analysis , Society and Culture , or Nature and Technology

*This requirement is included in the Machining & CNC emphasis electives for the AAS Multicraft Technology degree.