Industrial Systems Technology: FAME Option

Associate in Applied Science

Available: Shoals Campus
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This degree is designed to offer students advanced entry-level skills in the field of Industrial Systems Technology. A student who graduates from the program should be able to install and maintain all types of plant equipment.

General Information

Students must apply, meet the entrance requirements, and be selected for acceptance into the FAME program. Meeting entrance requirements does not guarantee acceptance into the program due to the apprenticeship component, which also requires selection by a participating industry partner.

Entrance Requirements

An online fillable FAME application and additional instructions are available at nwscc.edu/fame. Hard copies of application materials may be turned into the Admissions office on either the Phil Campbell or Shoals campus. Digital materials may be submitted to fame@nwscc.edu. Students must submit the following items:

- NWSCC online application
- FAME application
- Unofficial copy of High School and College transcripts
- Unofficial or official score report from ACT or Accuplacer
- Essay
- Completion of Career Interest Inventory

Entering students are required to complete ORI 107. Transfer students are exempt from this requirement.

Program: Industrial Maintenance Technology

Area I: Written Composition

Item #	Title	Credits
	Technical English or Higher	3

Area II: Humanities and Fine Arts

Preferred ART 100 or MUS 101. *Note SPH107 or foreign language may NOT be the one course designated to fulfill the SACSCOC Core Requirement for Humanities and Fine Arts.
Please choose from one of the following:

Item #	Title	Credits
	Humanities and Fine Arts Elective	3

Area III: Natural Sciences and Mathematics

Item #	Title	Credits
MTH 100	Intermediate College Algebra	3
PHY 115	Technical Physics	4

Area IV: History, Social and Behavioral Science

Please choose from one of the following:

Item #	Title	Credits
	Social and Behavioral Sciences Elective	3

Area V: Technical Concentration and Electives

Item #	Title	Credits
INT 101	DC Fundamentals	3
INT 103	AC Fundamentals	3
INT 113	Industrial Motor Control I	3
INT 117	Principles of Industrial Mechanics	3
INT 118	Fundamentals of Industrial Hydraulics and Pneumatics	3
INT 127	Principles of Industrial Pumps and Piping Systems	3
INT 134	Principles of Industrial Maintenance Welding and Metal Cutting Techniques	3
INT 142	F.A.M.E Manufacturing Core Exercise 2, Workplace Visual Organization (5S)	1-1
INT 144	FAME MANUFACTURING CORE EXERCISE 3, LEAN MANUFACTURING	1-1
INT 146	FAME MANUFACTURING CORE EXERCISE 4, PROBLEM SOLVING	1-1
INT 148	FAME MANUFACTURING CORE EXERCISE 5, MACHINE RELIABILITY	1-1
INT 158	Industrial Wiring I	3
INT 161	Blueprint Reading for Industrial Technicians	3
INT 184	Introduction to Programmable Logic Controllers	3
INT 206	Industrial Motors I	3
INT 213	Industrial Motor Control II	3
INT 222	Special Topics: Safety	3
INT 254	Robot Maintenance and Troubleshooting	3
INT 280	Special Topics Computer Fundamentals	3
INT 284	Advanced Programmable Logic Controllers	3
INT 291	Cooperative Education	3
	Minimum Credit Hours for Graduation:	**68**