

# Industrial Technology

## Associate in Applied Science

**Career Pathway:** *Engineering, Manufacturing and Industrial Technology*

**Career Cluster:** *Manufacturing, Science, Technology, Engineering and Mathematics*

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**Program Advisor:** Admissions  
(269) 687-4811

**NOTE:** Because of the number of electives in this program, students may tailor this degree to best serve their professional interests.

The Industrial Technology Associate in Applied Science program accepts the following certificate programs as the first 30-33 credits in any of the following Technology Programs:

Construction Trades  
Green Technology  
Mechatronics/Robotics and Automation  
Precision Machining Technology  
Welding Technology

This program compliments these certificate programs by adding general education coursework required by many four-year colleges and universities and provides additional training in specialized areas.

Students interested in pursuing a Bachelor's degree through Ferris State University or other four year institutions should contact their program advisor. For further information on the Ferris State University Bachelor's degree programs contact the Ferris State University Coordinator at SMC at (269) 782-1214.

### Prerequisites

- ◆ Students will need to demonstrate proficiencies in mathematics, reading, and English based on SMC assessment tests, ACT or SAT scores, or by taking the recommended courses.

- ◆ Some of the courses in this curriculum have specific prerequisites that may not be listed as part of the degree requirements. These are described in the course descriptions.
- ◆ ACE Testing, which grants students credit for demonstration of skills mastery, is also available at the Testing Center for a number of courses.

### General Education Requirements

- ◆ The general education courses listed for this degree require a C (2.0) or better for graduation. See "General Education Requirements" for more information and full listing of all general education courses.

### Course Sequence

- ◆ Many of the courses in this curriculum must be taken in a prescribed sequence. The listing that follows is a suggested sequence of courses for full-time students.
- ◆ Students seeking to start this curriculum in the spring semester should consult the program advisor for the best selection of classes.

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<b>Course</b>	<b>Credits</b>
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### Certificate Program

CREDITS	SMC Technology Certificate	34
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### Semester III

ISYS 110	Introduction to Computer Technology	3
ENGL 103	Freshman English II	3
OR		
ENGL 103W	Freshman English II w Workshop	(4)
SPEE 102	Fundamentals of Public Speaking	3
	<b>OR</b>	
SPEE 104	Introduction to Human Communication	(3)
ELECTIVE	Approved Program Electives	3-4

### Semester IV

ENGL 104	Freshman English III	3
INTE 227	Industrial Robotics	2
INTE 255	Internship	3
MATH 101	Introductory Algebra	4
	<b>OR</b>	
MATH 102	Mathematical Literacy	(4)
ELECTIVE	Approved Program Elective	2-4

*Students may choose any CADD, CONS, ELEC, INTE, MACH, WELD course or PHYS 103 for a minimum of 6 credits as their program electives. Other courses may be taken with the approval Dean of School of Business and Advanced Technologies.*

<b>Total Program Credits</b>	<b>*60-61</b>
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