



Advanced Integrated Industrial Technology

AAS



ACADEMIC MAP

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This program is not designed to transfer.

2018-2019



FIRST YEAR-FALL SEMESTER		Notes	Credits	MC
<input type="checkbox"/>	PICK ONE: Mathematics	MATH1530	3	
<input type="checkbox"/>	AIT1001 Basic Electricity		3	
<input type="checkbox"/>	AIT1002 Power Development		1	
<input type="checkbox"/>	AIT1003 Hydraulic/Pneumatic Fundamentals		1	
<input type="checkbox"/>	AIT1301 Principles of Instrumentation		2	
<input type="checkbox"/>	AIT1600 Workplace Safety		1	
<input type="checkbox"/>	INFS1010 Computer Applications		3	

2 SEMESTER CREDITS 13

FIRST YEAR-SPRING SEMESTER		Notes	Credits	MC
<input type="checkbox"/>	PICK ONE: Social/Behavioral Sciences		3	
<input type="checkbox"/>	AIT1101 Electrical Power Distribution		1	
<input type="checkbox"/>	AIT1102 Fluid Power Distribution	Prereq: AIT1003	2	
<input type="checkbox"/>	AIT1201 Electrical Installation	Prereq: AIT1401	1	
<input type="checkbox"/>	AIT1202 Piping, Pneumatic & Installation		1	
<input type="checkbox"/>	AIT1203 Mechanical Installation		1	
<input type="checkbox"/>	AIT1302 Integrated Process Control	Prereq: AIT1301	2	
<input type="checkbox"/>	AIT1401 Electrical Controls	Prereq: AIT1001	2	
<input type="checkbox"/>	AIT1402 Basic Pneumatic Controls	Prereq: AIT1102	1	
<input type="checkbox"/>	AIT1403 Basic Hydraulic Controls	Prereq: AIT1102	1	

3 SEMESTER CREDITS 15

FIRST YEAR-SUMMER SEMESTER		Notes	Credits	MC
<input type="checkbox"/>	PICK ONE: Humanities/Fine Arts		3	
<input type="checkbox"/>	AIT2101 Predictive/Preventive Maintenance	Prereq: AIT2102	1	
<input type="checkbox"/>	AIT2102 Power Transmission Systems	Prereq: AIT1203	1	

To stay on track, these courses must be taken in order. **SEMESTER CREDITS 5**



Milestone Courses

Based on prior students' experience, students who do well in these courses are more likely to graduate on time in this program.

General Advising Notes

- *Any General Education course selected from the appropriate category.
- *Any college-level or Technical course 3 credit hours or more.
- *PTEC1080 Process Technology, PTEC2060 Process Technology, ETEC2302 Miniature Component Repair Technique.
- *Choose one of the following courses: AIT2202 Programmable Logic Controllers II, AIT2005 Pump Systems, AIT2401 Conveyor Support Systems, AIT2205 Robot Operations

Helpful Hints

15 to FINISH
Take 15 credit hours a semester to finish your degree in two years.

Contact Information

Phone: 901-333-4150
Email: AITC@southwest.tn.edu

For full catalog:
catalog.southwest.tn.edu



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SECOND YEAR-FALL SEMESTER		Notes	Credits	MC
<input type="checkbox"/>	ENGL1010 English Composition I		3	
<input type="checkbox"/>	PSCI1010 Principles of Physical Science		4	
<input type="checkbox"/>	AIT1501 Intermediate Electrical Controls	Prereq: AIT1401	2	
<input type="checkbox"/>	AIT1504 AC Motor Controls	Prereq: AIT1401	2	
<input type="checkbox"/>	PICK ONE: Elective	*See Notes	3	

5 SEMESTER CREDITS 14

SECOND YEAR-SPRING SEMESTER		Notes	Credits	MC
<input type="checkbox"/>	AIT2103 Advanced Mechanical Systems	Prereq: AIT2101	2	
<input type="checkbox"/>	AIT2001 Integrated Process Management	Prereq: AIT1302	2	
<input type="checkbox"/>	AIT1502 Intermediate Pneumatic Controls	Prereq: AIT1402	1	
<input type="checkbox"/>	AIT1503 Intermediate Hydraulic Controls	Prereq: AIT1403	1	
<input type="checkbox"/>	AIT2201 Programmable Logic Controllers I	Prereq: AIT1401	2	
<input type="checkbox"/>	PICK ONE: Technical Elective	*See Notes	2	
<input type="checkbox"/>	PICK ONE: Elective	*See Notes	3	

SEMESTER CREDITS 13
PROGRAM CREDITS 60

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Milestone Courses

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