



# Advanced Integrated Industrial Technology

## Technical Certificate



### ACADEMIC MAP

This program is not designed to transfer.

2017-2019



FIRST SEMESTER		Notes	Credits	MC
<input type="checkbox"/>	AIT1001 Basic Electricity		2	
<input type="checkbox"/>	AIT1003 Hydraulic/Pneumatic Fundamentals		1	
<input type="checkbox"/>	AIT1102 Fluid Power Distribution	Prereq. AIT1003	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	

**SEMESTER CREDITS 9**

SECOND SEMESTER		Notes	Credits	MC
<input type="checkbox"/>	AIT1302 Integrated Process Control		2	
<input type="checkbox"/>	AIT1501 Intermediate Electrical Controls	Prereq. AIT1401	2	
<input type="checkbox"/>	AIT1504 AC Motor Controls	Prereq. AIT1501	2	
<input type="checkbox"/>	AIT2103 Advanced Mechanical Systems		2	
<input type="checkbox"/>	PICK ONE: PLC Elective	See Notes   Prereq. AIT1401	2	

 To stay on track, these courses must be taken in order.

**SEMESTER CREDITS 10**  
**PROGRAM CREDITS 19**



### 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

Select one of the following PLC Elective courses:  
AIT2201 Programmable Logic Controllers I  
AIT2202 Programmable Logic Controllers II

### Helpful Hints

### Contact Information

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

For full catalog:  
[catalog.southwest.tn.edu](http://catalog.southwest.tn.edu)