

INDUSTRIAL INSTRUMENTATION TECHNOLOGY PROGRAM GUIDE

NAME: _____

DATE: _____

COURSE DESCRIPTION	COURSE ABBREVIATION	COURSE NUMBER	CREDIT HOURS	GRADE	TERM TAKEN
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****All courses must be completed with a grade of "C" or better.**

FIRST SEMESTER (FALL)

College Algebra (AAS Only)	MATH	1100	3		
Fund of Electricity & Electronics	ETRN	1112	4		
Core Industry Safety	CORE	1003	3		
Intro to Computer Technology	CSCI	1010	3		
Intro to Instrumentation	INST	1010	2		
Electrical Systems and Equipment	INST	1011	2		
SEMESTER CREDIT HOURS (TD/AAS)			14/17		

SECOND SEMESTER (SPRING)

English Composition (AAS Only)	ENGL	1010	3		
Fund of Semiconductors Circuits & Transistors	ETRN	1212	4		
CTS - Instrument Helper			18		
Digital Circuits	ETRN	1420	3		
Principles of Process Controls	INST	2820	3		
SEMESTER CREDIT HOURS (TD/AAS)			10/13		

(SUMMER)

Introduction to Speech (AAS Only)	SPCH	1200	3		
Social Science * (AAS Only)	See list below	2010	3		
Physical Science (AAS Only)	PHSC	1010	3		
Physical Science Lab (AAS Only)	PHSC	1010L	1		
SEMESTER CREDIT HOURS (TD/AAS)			0/10		

THIRD SEMESTER (FALL)

Pressure and Level Measurement	INST	1330	3		
Flow and Final Control Elements	INST	1425	3		
Temperature and Analytical Measurement	INST	2732	3		
Motor Controls and Variable Speed Drives	INST	2635	3		
SEMESTER CREDIT HOURS (TD/AAS)			12/12		

FOURTH SEMESTER (SPRING)

Programmable Logic Controllers	INST	2741	4		
Vibration Analysis	INST	2735	3		
Industrial Control Systems	INST	2420	4		
Internship	INST	2999	3		
SEMESTER CREDIT HOURS (TD/AAS)			14/14		
TD - Industrial Instrumentation Technology			50		
AAS – Industrial Instrumentation Technology			66		

* Social Science Electives: ECON 2010 or ECON 2020, POLI 1100, GEOG 2010, 2030 or 2050, PSYC – any, SOCL - any

INDUSTRIAL INSTRUMENTATION TECHNOLOGY

Industrial Instrumentation Technology (IIT) prepares students for a successful career as an Instrumentation Technician. In the fall semester (August), new cohorts of students begin the IIT program and progress through two years/four semesters, taking their instrumentation classes in a defined sequence and as a defined cohort. Students are able to schedule general education classes at times that will meet their needs and are advised to take as many general education classes as possible if waiting for fall admission into the IIT program or while working on developmental requirements. All courses in the IIT curriculum must be passed with a "C" or better.

REQUIREMENTS for Admission to the IIT Program:

- ACT or Compass scores that exempt the student from developmental education classes
ACT minimum scores – Math 19, English 18, Reading 16
Compass minimum scores – Algebra 66 , English 68, Reading 80 OR
- Completing all required developmental education classes with a "C" or better

AND

FINALDECEMBER 2014

TD - Technical Diploma

Total Credit Hours = 50

- Appointment with the first year IIT instructor

INDUSTRIAL INSTRUMENTATION TECHNOLOGY AWARD LEVELS

CTS - Certificate of Studies Instrument Helper II	Total Credit Hours = 18
ETRN 1112, NCCER Level 1 Mod 1-6, NCCER Level 1 Mod 7-13, ETRN 1212, CSCI 1010, CORE 1003.	
ETRN 1420, INST 2820, 2635, 1330, 1425, 2732, 2741, 2420, 2735	
AAS - Associate of Applied Science	Total Credit Hours = 66
ENGL 1010	
MATH 1100	
SPCH 1200	
PHSC 1010	
PHSC 1010L	
SOCIAL SCIENCE ELECTIVE	
INST 2999 (Special Projects/Internship) ELECTIVE	