



## INDUSTRIAL INSTRUMENTATION PROGRAM GUIDE

### FIRST SEMESTER ( FALL START)

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
College Algebra (TD & AAS only)	MATH	1100	3
Intro to Computer Technology	CSCI	1010	3
Core Industry Safety	CORE	1003	3
Intro to Instrumentation	INST	1010	2
Electrical Systems & Equipment	INST	1011	2
Fund of Electricity & Electronics	ETRN	1112	4
<b>SEMESTER CREDIT HOURS</b>			<b>TD 17   AAS 17</b>

### SECOND SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
Fund of Semiconductors Circuits & Transistors	ETRN	1212	4
<b>CTS- Instrument Helper (18)</b>			
English Composition (AAS Only)	ENGL	1010	3
Introduction to Speech (AAS Only)	SPCH	1200	3
Digital Circuits	ETRN	1420	3
Principles of Process Controls	INST	2820	3
<b>SEMESTER CREDIT HOURS</b>			<b>TD 10   AAS 16</b>

### THIRD SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
Physical Science (AAS Only)	PHSC	1010	3
Physical Science Lab (AAS Only)	PHSC	1010L	1
Pressure & Level Measurement	INST	1330	3
Flow & Final Control Elements	INST	1425	3
Temperature & Analytical Measurement	INST	2732	3
Motor Controls & Variable Speed Drives	INST	2635	3
<b>SEMESTER CREDIT HOURS</b>			<b>TD 12   AAS 16</b>

### FOURTH SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
Social Science (ECON 2010 or ECON 2020, POLI 1100, PSYC – any, SOCL – any) (AAS Only)	****	****	3
Programmable Logic Controllers	INST	2741	4
Vibration Analysis	INST	2735	3
Industrial Control Systems	INST	2420	4
Internship (TD & AAS Only)	INST	2999	3
<b>SEMESTER CREDIT HOURS</b>			<b>TD 14   AAS 17</b>
<b>CTS- Instrument Helper</b>			<b>18</b>
<b>TD- Industrial Instrumentation Tech</b>			<b>53</b>
<b>AAS- Industrial Instrumentation Tech</b>			<b>66</b>