



CATALOG YEAR: 2020-2021 INDUSTRIAL INSTRUMENTATION

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
SEMESTER CREDIT HOURS			TD 17 AAS 17

SECOND SEMESTER

COURSE NAME	COURSE PREFIX	COURSE NUMBER	CREDIT HOURS
Fund of Semiconductors Circuits & Transistors	ETRN	1212	4
CTS Instrument Helper (18)			
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
SEMESTER CREDIT HOURS			TD 10 AAS 16

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
SEMESTER CREDIT HOURS			TD 12 AAS 16

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
SEMESTER CREDIT HOURS			TD 14 AAS 17
CTS- Instrument Helper			18
TD- Industrial Instrumentation Tech			53
AAS- Industrial Instrumentation Tech			66