

# INSTRUMENTATION TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE



SPCH 1321	Business and Professional Speech	
Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts)		3
<b>Credits</b>		<b>15</b>
<b>Total Credits</b>		<b>60</b>

**Capstone Experience:** INTC 2330 or INTC 2388

## Verification of workplace competencies

- <sup>1</sup> Students desiring to obtain a baccalaureate degree should take MATH 1314 College Algebra. Students entering this program with MATH 1314 College Algebra may substitute this course for TECM 1301 Industrial Mathematics.
- <sup>2</sup> Students who have successfully completed ENGL 1302 Composition II or ENGL 2311 Technical and Business Writing may receive credit for ETWR 1302 Introduction to Technical Writing.

## Plan of Study

3INST

First Term		Credits
CETT 1302	Electricity Principles	3
INCR 1302	Physics of Instrumentation	3
TECM 1301	Industrial Mathematics <sup>1</sup>	3
INTC 1448	Analytical Instrumentation	4
OSHT 1320	Energy Industrial Safety	3
<b>Credits</b>		<b>16</b>
Second Term		
INTC 2310	Principles of Industrial Measurement II	3
INTC 1322	Analog Controls I	3
INTC 1475	Sample Systems	4
CHEM 1305	Introductory Chemistry I (lecture)	3
CHEM 1105	Introductory Chemistry I (lab)	1
<b>Credits</b>		<b>14</b>
Summer Year One Term		
ETWR 1302	Introduction to Technical Writing <sup>2</sup>	3
<b>Credits</b>		<b>3</b>
Third Term		
INTC 1315	Final Control Elements	3
ELPT 2319	Programmable Logic Controllers I	3
ENGL 1301	Composition I	3
Social and Behavioral Sciences or Government/Political Science or American History		3
<b>Credits</b>		<b>12</b>
Fourth Term		
INTC 1350	Digital Measurement and Controls	3
INTC 2330 or INTC 2388	Instrumentation Systems Troubleshooting or Internship Instrumentation Technology/Technician	3
INTC 2359	Distributed Control Systems	3
Select one of the following:		3
SPCH 1311	Introduction to Speech Communication	
SPCH 1315	Public Speaking	
SPCH 1318	Interpersonal Communication	