

# ACADEMIC MAP

Electricity and Instrumentation Technology, C.A.S.



## Semester 1

COURSE	CR	COMMENTS
COLL 101 ORIENTATION TO COLLEGE	1	
ELEC 102 ELECTRICAL & INSTRUMENTATION 1	3	
ELEC 103 ELECTRICAL & INSTRUMENTATION 2	3	EI NCCER Level 2
ELEC 104 ELECTRICAL & INSTRUMENTATION 3	3	
MATH 125 TECHNICAL MATHEMATICS	4	
ENGL 107 TECHNICAL WRITING	3	
<b>TOTAL:</b>	<b>17</b>	



The **Certificate of Applied Science in Electricity and Instrumentation Technology** prepares graduates for positions as technicians that install, service, repair, and maintain electrical equipment in today's modern industrial, commercial and/or manufacturing facilities. Students in this program receive the skills necessary to work with high voltage, 3 phase, commercial electrical equipment.



**MILESTONE COURSE:** These courses are the keys to graduation and certification. Courses should be taken in the recommended semesters to stay on time for

completion.

## Semester 2

COURSE	CR	COMMENTS
MTEC 102 INTRODUCTORY CRAFT SKILLS	2	NCCER Core
ELEC 101 ELECTRICITY & ELECTRONICS FUND	3	
ELEC 202 ELECTRICAL & INSTRUMENTATION 4	3	EI NCCER Level 3
ELEC 203 ELECTRICAL & INSTRUMENTATION 5	3	
ELEC 204 ELECTRICAL & INSTRUMENTATION 6	3	EI NCCER Level 4
<b>TOTAL:</b>	<b>14</b>	



**CAREER PLANNING:** Electrical and Instrumentation Technician  
Average wage: \$15.74 - \$26.15/hour



Students should average 15 credit hours per semester, or 30 per year, to graduate on time.

**TOTAL DEGREE CREDITS:**

# 31

2020-2021

# General Education Courses



To ensure breadth and depth as students meet these broad education goals, the curriculum focuses on six academic “strands.”

Composition & Rhetoric	Science & Technology	Math & Quantitative Skill	Society, Diversity & Connections	Human Inquiry & the Past	The Arts and Creativity
ENGL 101	ASTR 106	MATH 120 *	COMM 105	HIST 101	<b>History &amp; Literature of the Arts</b>
ENGL 102	BIOL 101 & BIOL 103 L	MATH 121	COMM 111	HIST 102	
ENGL 107*	BIOL 102	MATH 125 *	COMM 112	HIST 152	ART 101
ENGL 108*	BIOL 104 L	MATH 126	ECON 201	HIST 153	ART 105
	BIOL 107 *	MATH 128	ECON 202	HIST 250 *	ART 106
	BIOL 108 *	MATH 129	FREN 101	PHIL 111	MUSI 170
	BIOL 109 *	MATH 150	FREN 102	PHIL 150 *	THEA 101
	BIOL 115	MATH 155	GEOG 102	PHIL 170	<b>Literature</b>
	BIOL 117	MATH 156	GEOG 240		ENGL 131
	BIOL 171	MATH 211	POLS 102		ENGL 132
	CHEM 111		POLS 220		ENGL 221
	CHEM 115		PSYC 101		ENGL 222
	CHEM 116		PSYC 241		ENGL 241
	CS 101		RELI 231		ENGL 242
	GEOL 101 & GEOL 102 L		SOC 101		ENGL 261
	GEOL 103 & GEOL 104 L		SOC 105		ENGL 262
	GEOL 105 & GEOL 105 L		SOC 221		ENGL 285
	PSCI 111		SOC 232		<b>Applied Arts</b>
	PSCI 112		SPAN 101		ART 109
	PHYS 101		SPAN 102		THEA 102
	PHYS 102				<b>Creative Writing</b>
	PHYS 111				ENGL 213
	PHYS 112				ENGL 214
					ENGL 215

\* Serves technical and professional degree programs specific to WVU Parkersburg. Does not transfer to WVU as General Education (March 2018).