

## Electrical Technology (ELEC)

Catalog: 2015-2016			Effective Date: 9/01/2015			
CR	COURSE	COURSE TITLE	SUNY GEN ED	TR	SEMESTER	
1-4	HRD 100, HRD 100A or HRD 110	FRESHMAN EXPERIENCE				
3	ENG 101 or ENG 100A & B	<i>Introduction to College Writing or Writing Reading Workshop A/B</i>	GEBC			
3	SUNY GEN ED Basic Communication ENG 102, ENG 102, ENG 103, ENG 104, ENG 105, ENG 106, ENG 107, ENG 108, ENG 109 or ENG 110		GEBC			
6-7	Choose 2 from: MAT 108, MAT 121, MAT 125 or MAT 131		GEMA			
4	PHY 107 or PHY 111	<i>Applied Physics or General Physics I</i>	GENS			
2	Any PED activity course, AVS 101, AVS 102, BIO 114, BIO 115, HED 103, HED 104, HED 108, PED 172 or SCI 161 (Note: PED 105, PED 106, PED 206, PED 210, PED 211, and PED 212 do not fulfill this requirement)	HEALTH AND WELLNESS				
3	Social Science					
3	CIS 111, CIS 125 or CIS 143 (Prereq Required)					
3	TEC 101	<i>Introduction to Engineering and Technology</i>				
3	TEC 103 (Fall only)	<i>Electrical Technology Fundamentals</i>				
4	TEC 119 (Fall only –Pre/Coreq Required)	<i>Electricity I</i>				
4	TEC 120 (Spring only – Prereq Required)	<i>Electricity II</i>				
3	TEC 130 (Spring only – Prereq Required)	<i>Introduction to RFID</i>				
3	TEC 223 (Fall only – Prereq Required)	<i>Motors and Controls</i>				
3	TEC 241 (Spring only –Pre/Coreq Required)	<i>Industrial Electronics</i>				
3	TEC 250 (Spring only – Prereq Required)	<i>Automation and Controls I</i>				
3	TEC 251 (Spring only – Prereq Required)	<i>Automation and Controls II</i>				
3	Choose from: CIS 131, EGR 109, TEC 178, TEC 236 (Prereq Required) or TEC 299	TECHNICAL ELECTIVE				
4	Liberal Arts	MAT 131 <i>Calculus I</i> or PHY 112 <i>General Physics II</i> recommended for transfer				
3	Electives	EGR 183, MAT 131 or PHY 112 recommended for transfer				
<b>64</b>	<b>Minimum credits required for graduation</b>					

**Note:** Please review the back of this form for additional information.

❖ <b>COURSE PREREQUISITES:</b>			
<b>CIS 143</b>	MAT 108 (or equivalent) or CIS 122	<b>TEC 223</b>	TEC 120 and TEC 250 (Co-requisite)
<b>PHY 107</b>	MAT 108	<b>TEC 236</b>	TEC 120
<b>PHY 111</b>	MAT 108	<b>TEC 241</b>	TEC 120
<b>TEC 120</b>	TEC 119 with C or better	<b>TEC 250</b>	TEC 120 and TEC 223
<b>TEC 130</b>	MAT 097	<b>TEC 251</b>	TEC 250

❖ <b>RECOMMENDED SEQUENCE:</b>			
<b>FIRST YEAR</b>			
<b>First Semester</b>		<b>Second Semester</b>	
1-4	HRD 100, HRD 100A or HRD 110		
3-4	MAT 108, MAT 121, MAT 125 or MAT 131	3-4	MAT 108, MAT 121, MAT 125 or MAT 131
3	TEC 101	3	ENG 101 or ENG 100 A & B
3	TEC 103	4	TEC 120
4	TEC 119	3	TEC 130
1	Health and Wellness	3	Electives
<b>SECOND YEAR</b>			
<b>Third Semester</b>		<b>Fourth Semester</b>	
3	ENG 102-ENG 110	3	Social Science
3	CIS 111, CIS 125 or CIS 143	4	Liberal Arts
4	PHY 107 or PHY 111	3	Technical Elective – CIS 131, EGR 109, TEC 178, TEC 236 or TEC 299
3	TEC 223	3	TEC 241
3	TEC 250	3	TEC 251
		1	Health and Wellness

❖ **DEFINITION OF COURSE REQUIREMENTS:** See <http://catalog.sunyacc.edu/academics/degreerequirements>

❖ **FINANCIAL AID RECIPIENTS:** A student **must** choose courses that are within their degree program. Students are encouraged to visit the Advisement and Career Services Center in Warren Hall for any questions about course selection and degree program requirements. Please visit the Office of Financial Aid for any aid-related questions.

❖ **SUNY GEN ED KNOWLEDGE AREAS:** See <http://catalog.sunyacc.edu/academics/generaleducation>

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|-------------------------------|-----------------------------------|
| ❖ Mathematics (GEMA)          | ❖ Other World Civilization (GEOC) |
| ❖ Natural Sciences (GENS)     | ❖ Humanities (GEHU)               |
| ❖ Social Sciences (GESS)      | ❖ The Arts (GETA)                 |
| ❖ American History (GEAH)     | ❖ Foreign Languages (GEFL)        |
| ❖ Western Civilization (GEWC) | ❖ Basic Communication (GEBC)      |