

AAS: Electrical Technology

Curriculum Chair: Professor Kary Ioannou TECH-33 Tel # (914) 606-8561 Email: Kary.Ioannou@sunywcc.edu

Associate Dean: TECH-106 Tel # (914) 606-6789 Email:

Developmental Courses as required based on placement scores

<input type="checkbox"/>	No Developmental Courses Required
<input type="checkbox"/>	ENG 91 Writing for College 1 – Score of 4 E Code 1 and below Choose an item.
<input type="checkbox"/>	ENG 92 Writing for College 2 – Score of 6 E Code 2 Choose an item.
<input type="checkbox"/>	ESL 94 Academic Writing 1 – Score of 5 or 6 E Code 6 Choose an item.
3 <input type="checkbox"/>	ESL 122 Academic Writing 2 – Score of 7 E Code 7 Choose an item.
<input type="checkbox"/>	MATH 92 Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below Choose an item.
OR <input type="checkbox"/>	MATH 93 Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below Choose an item.
	MATH 94 Foundations of Mathematical Reasoning – Arithmetic score 45 and above, Elementary Algebra 54 and below Choose an item.
<input type="checkbox"/>	READ 93 Foundation of College Reading – Score of 57 and below Choose an item.
3 <input type="checkbox"/>	READ 105 Analytical Reading – Score of 58 and higher Choose an item.

New General Education Requirements

3 <input type="checkbox"/>	ENG 101 – Writing and Research OR ENG 101H Choose an item.
3 <input type="checkbox"/>	ENG 102 – Writing and Literature OR ENG 102H Choose an item.
4 <input type="checkbox"/>	MATH 135 – College Algebra with Trigonometry Choose an item.
4 <input type="checkbox"/>	MATH 161 – Pre-calculus Choose an item.
4 <input type="checkbox"/>	PHYS 101 – Technical Physics 1
4 <input type="checkbox"/>	NATURAL SCIENCE GENERAL ED REQUIREMENTS – Choose a 4 credit course: BIOL 101, 103, 115, 115H, 117, 117H, 121, 123, CHEM 107, 111, 113, 117, 201, 205, PHYS 111, 112, 121, 122, 129 143, 143H, 151, 292
	THE ARTS, FOREIGN LANGUAGE, or OTHER WORLD CIVILIZATIONS GENERAL ED REQUIREMENTS – Choose a 3/4 credit course: ART 101, 102, 103, 104, 105, 106, 108, 109, 109A, 110, 111, 112, 125, 129, 130, 133, 134, 135, 137, 138, 140, 141, 147, 201, 203, 212, 265, DANCE 101, 102, 107, 120, 121, 205, 207, FILM 100, 101, 102, 130 MUSIC 110, 110H, 111, 120, 121, 130, 131, 132, 133, 150, 230, 231, 232, 233, THEAT 111, 113, 201 CHINS 102, FREN 101, 102, 201, ITAL 101, 102, 103, 201, 201H, 202, 202H, 250, SPAN 101, 102, 103, 104, 201, 201H, 202, 202H, 203, 204
3 <input type="checkbox"/> /4 <input type="checkbox"/>	
	AMERICAN HISTORY, WESTERN CIVILIZATIONS or SOCIAL SCIENCES GENERAL ED REQUIREMENTS – Choose a 3 credit course: HIS 101, 102, 103, 201, CJ 111, ECON 101, 101H, 102, 102H, GEOG 101, HSEV 102, 200, LIN 201, POLSC 111, 111H, 115, PSYCH 101, 101H, 103, 103H, 107, 109, 110, 111, 112H, SOC 101, 101H, 102, 103, 104

	<p>ART 108, 109, HIS 101, 102, 104, 106, 110, 111, 112, 121*, 133**, 134**, POLSC 102, 104, 107</p> <p><i>*Students who complete this course cannot use HIS 133 or 134 to fulfill degree and/or general education requirements</i></p> <p><i>**Students who complete this course cannot use HIS 121 to fulfill degree and/or general education requirements</i></p>
3 <input type="checkbox"/>	

Degree Requirements			
3 <input type="checkbox"/>	ELEC 128 – Electrical Circuits: High School Algebra or MATH 93 is the prerequisite or co-requisite. Choose an item.		
3 <input type="checkbox"/>	ELEC 129 – Digital Logic: High School Algebra or MATH 93 is the prerequisite. Choose an item.		
3 <input type="checkbox"/>	ELEC 137 – Alternating Current and Non-Sine Wave: ELECT 128 is the prerequisite. MATH 135 is a co-requisite. Choose an item.		
3 <input type="checkbox"/>	ELEC 160 – Electronics: High School Algebra or MATH 93 is the prerequisite. Choose an item.		
3 <input type="checkbox"/>	ELEC 204 – Electrical Machinery: ELEC 128 is the prerequisite. Choose an item.		
3 <input type="checkbox"/>	ELEC 218 – Introduction to Microprocessors Choose an item.		
3 <input type="checkbox"/>	ELEC 239 – Analog Circuits: ELEC 160 is the prerequisite. Offered in Fall semester. Choose an item.		
3 <input type="checkbox"/>	ELEC 282 – Electronic Communication: ELEC 128 is the prerequisite. Choose an item.		
3 <input type="checkbox"/>	CIVIL 103 – Introduction to Technology Choose an item.		
	TECHNICAL ELECTIVES: See below for courses (9 Credits)		
3 <input type="checkbox"/>		3 <input type="checkbox"/>	
3 <input type="checkbox"/>			

SEEN BY: _____ Completed credits _____ of 64 required

NOTES:
The Technical Electives requires Chairpersons approval
 All students should take Introduction to Technology in the first semester.

- TECHNICAL ELECTIVES: Select THREE courses from:**
- ELEC 138** – Intro Telecommunications: **Offered in fall semester**
 - ELEC 223** – Digital Logic and Switching Circuits: **Offered every semester**
 - ELEC 228** – Energy Conversion & Power: **Not offered every semester**
 - ELEC 240** – Advanced Electronic Circuits: **Offered every semester**
 - ELEC 255**-Circuits for Engineers Corequisite: **Offered every semester** **MATH 165** – Technical Mathematics with Calculus
 - ELEC 266** – Computer Applications for Electronics: **Not offered every semester**
 - ELEC 267** - Advanced Circuits for Engineers: **Offered in spring semester** **Corequisite: ELEC 244** – Advanced Passive and Active Laboratories, **Prerequisites: ELEC 255** – Circuits for Engineers
 - MECH 162**-CAD I Technical elective that is given both semester
- Or substitute approved by Curriculum Chair**

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Academic Plan		Completed credits		of 64 required	
		Fall/Spring		Fall/Spring	
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>
		Fall/Spring		Fall/Spring	
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>