

AAS: Electrical Technology

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

Associate Dean: Dr. Kwesi Amoa TECH-106 Tel # (914) 606-6789 Email: Kwesi.Amoa@sunywcc.edu

Developmental Courses as required based on placement scores

<input type="checkbox"/>	ENG 91 Writing for College 1 – Score of 4 E Code 1 and below, 30.01 Choose an item.
<input type="checkbox"/>	ENG 92 Writing for College 2 – Score of 6 E Code 2, 30.02 Choose an item.
<input type="checkbox"/>	ENG 99 Writing Studio (with linked section of ENG 101+) - Score of 6 E Code 2, 30.02
<input type="checkbox"/>	ESL 94 Academic Writing 1 – Score of 5 or 6 E Code 6, 20.01 .
3 <input type="checkbox"/>	ESL 122 Academic Writing 2 – Score of 7 E Code 7, 21.01
<input type="checkbox"/>	MATH 92 Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below, 40.01 Choose an
OR <input type="checkbox"/>	MATH 93 Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below, 40.02 Choose an item.
	MATH 94 Foundations of Mathematical Reasoning – Arithmetic score 45 and above, Elementary Algebra 54 and below, 40.02 Choose an item.
<input type="checkbox"/>	READ 93 Foundation of College Reading – Score of 57 and below, 10.01 Choose an item.
3 <input type="checkbox"/>	READ 105 Analytical Reading – Score of 58 and higher 11.01 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
	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
4 <input type="checkbox"/>	
	THE ARTS, FOREIGN LANGUAGE, or OTHER WORLD CIVILIZATIONS GENERAL ED REQUIREMENTS – Choose a 3/4 credit course: ART 101, 102, 103, 104, 105, 106, 107, 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, 112, 115, 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 ARABC 101, 102, CHINS 102, FREN 101, 102, 201, ITAL 101, 102, 103, 201, 201H, 202, 202H, 250, JAPNS 101, 102, RUSSN 101, SPAN 101, 102, 103, 104, 201, 201H, 202, 202H, 203, 204 ANTHR 120, 210, 215H, HIS 119, 128, 129, 131, POLSC 113
3 <input type="checkbox"/> /4 <input type="checkbox"/>	
	AMERICAN HISTORY, WESTERN CIVILIZATIONS or SOCIAL SCIENCES GENERAL ED REQUIREMENTS – Choose a 3 credit course:

	<p>HIS 101, 102, 103, 201, CJ 111, ECON 101, 101H, 102, 102H, GEOG 101, HSERV 102, 200, LIN 201, POLSC 111, 111H, 115, PSYCH 101, 101H, 103, 103H, 107, 109, 110, 111, 112H, SOC 101, 101H, 102, 103, 104 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 1 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>	