AAS: Electrical Technology

Curriculum Chair: Professor Richard VanInwegen TEC-28 Tel # (914) 606-6679 Email: Richard.VanInwegen@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	
☐	**ENG 91** Writing for College 1 – Score of 4 E Code 1 and below, **30.01**	Choose an item.
☐	**ENG 92** Writing for College 2 – Score of 6 E Code 2, **30.02** Choose an item.	
☐	**ENG 99** Writing Studio with linked ENG 101+ - Score of 6 E Code 2, **30.02** OR successful completion of ENG 91	
☐	**ESL 94** Academic Writing 1 – Score of 5 or 6 E Code 6, **20.01**.	
3☐	**ESL 122** Academic Writing 2 – Score of 7 E Code 7, **21.01**	
☐	**MATH 92** Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below, **40.01**	Choose an
OR ☐	**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.	
☐	**READ 93** Foundation of College Reading – Score of 57 and below, **10.01**	Choose an item.
3☐	**READ 105** Analytical Reading – Score of 58 and higher **11.01**	Choose an item.

	New General Education Requirements
3☐	**ENG 101** – Writing and Research **OR ENG 101H** Choose an item.
3☐	**ENG 102** – Writing and Literature **OR ENG 102H** Choose an item.
4☐	**MATH 135** – College Algebra with Trigonometry Choose an item.
4☐	**MATH 161** – Pre-calculus Choose an item.
4☐	**PHYSC 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, **PHYSC** 111, 112, 121, 122, 129 143, 143H, 151, 292
4☐	
	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☐/4☐	
	AMERICAN HISTORY, WESTERN CIVILIZATIONS or SOCIAL SCIENCES GENERAL ED REQUIREMENTS – Choose a 3 credit course: **ANTHR** 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, 201 **SOC** 101, 101H, 102, 103, 104, **ART** 108, 109, **HIS** 101, 102, 104, 106, 110, 111, 112, 121*, 133**, 134**, **POLSC** 102, 104, 107

	Students who complete this course cannot use HIS 133 or 134 to fulfill degree and/or general education requirements **Students who complete this course cannot use HIS 121 to fulfill degree and/or general education requirements*
3☐	

Degree Requirements

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

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 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**

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**	
Class	**Credits**	**Class**	**Credits**	**Class**	**Credits**
		Fall/Spring		**Fall/Spring**	
Class	**Credits**	**Class**	**Credits**	**Class**	**Credits**

March 16, 2017 AG