

**PROGRAM: AAS ELECTRICAL TECHNOLOGY- REVISIONS PENDING**

Division: Mathematics, Engineering and Physical Sciences

TECH-129 (914) 606-6788

Curriculum

Code: 0385

66 Credits

**Curriculum Chair**

Professor Murray Haims

TECH-138B

Telephone: (914) 606-6274

Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_

Approved By Chairperson/Dean: \_\_\_\_\_

Course #	SEMESTER 1	Credits	✓
<b>ENG 101</b>	<b><i>Composition &amp; Literature 1</i></b>	<b>3</b>	
<b>MATH 110A</b>	<b><i>College Algebra with Trigonometry</i></b>	<b>4</b>	
ELEC 128	Electrical Circuits	3	
CIVIL 103	Introduction to Technology	3	
ELEC 129	Digital Logic 1	3	
	<b><i>PE (sport)- _____</i></b>	<b>1</b>	

Course #	SEMESTER 3	Credits	✓
ELEC 204	Electrical Machinery	4	
ELEC 239	Analog Amplifiers	4	
<b>PHYSC 107A</b>	<b><i>Technical Physics I &amp; Physics I Lab(Mechanics)</i></b>	<b>3</b>	
<b>PHYSC 108</b>			
	<b><i>Behavioral, Social Science or Humanities- _____</i></b>	<b>3</b>	
ELEC 218	Introduction To Microprocessors	3	
	Technical Elective #- _____	3	

Course #	SEMESTER 2	Credits	✓
<b>ENG 102</b>	<b><i>Composition &amp; Literature 2</i></b>	<b>3</b>	
ELEC 137	Alternating Current and Non-Sine Waves	3	
ELEC 266	Electronic Applications for Electronics	2	
ELEC 160	Electronics	3	
<b>MATH 115A</b>	<b><i>Technical Mathematics with Calculus*</i></b>	<b>4</b>	
ELEC 281	Electrical Layout Lab	1	

Course #	SEMESTER 4	Credits	✓
ELEC 282	Electronic Communication	3	
ELEC 217B	Electronic Devices and Test Equipment Lab	2	
<b>PHYSC 109A</b>	<b><i>Technical Physics II &amp; Physics II Lab* (Heat, Light , Sound)</i></b>	<b>3</b>	
<b>PHYSC 110</b>			
	Technical Elective #- _____	3	
	<b><i>Behavioral, Social Science or Humanities- _____</i></b>	<b>3</b>	
	<b><i>PE (fitness)- _____</i></b>	<b>1</b>	

***Bold italic items are Core Requirements.*****NOTES:**

Or an approved substitute allowed by the Chairperson

# Requires Chairpersons Approval

All students should take Introduction to Technology in the first semester.

**# Technical Electives Fall**

ELEC 227 Electrical Systems Analysis

ELEC 240 Advanced Electronic Circuits

ELEC 208 Computer Systems

ELEC 224Telecom (Data Communications)

**# Technical Electives Spring**

ELEC 255 Circuits for Engineers

ELEC 228 Energy Conversion &amp; Power

ELEC 226 Pulse Timing Logic

ELEC 256 Electronic Logic Algebra &amp; Arithmetic