

PROGRAM: AAS ENERGY SYSTEMS
Division: Mathematics, Engineering and Physical Sciences
TECH-129 (914) 606-6788

Curriculum
Code: TBA
64-66 Credits

Curriculum Chair
Professor John Collins
TECH-106
Telephone: (914) 606-6941

Reviewed By: _____
Date: _____
Approved By Chairperson/Dean: _____

Course #	SEMESTER 1	Credits	✓
<i>ENG 101</i>	<i>Composition & Literature 1</i>	3	
<i>MATH 135</i>	<i>College Algebra with Trigonometry</i>	4	
ELEC 128	Electrical Circuits	3	
PHYSIC 165	Principles of Energy	3	
	<i>Behavioral, Social Science or Humanities</i>	3	

Course #	SEMESTER 2	Credits	✓
<i>ENG 102</i>	<i>Composition & Literature 2</i>	3	
<i>MATH 161</i>	<i>Pre Calculus</i>	4	
MECH	Intro Thermodynamics	3	
<i>PHYSIC 123</i>	<i>College Physics 1</i>	4	
ELECT 134	Power Circuit Analysis	3	

Course #	SEMESTER 3	Credits	✓
MECH 260B	CAD 1	4	
<i>CHEM 107</i>	<i>Inorganic Chemistry OR</i>	4	
ELEC 160	Electronics ¹	3	
ELEC 129	Digital Logic	3	
	Technical Elective #- _____	3	
	Technical Elective #- _____	3	
	<i>Behavioral, Social Science or Humanities-</i>	3	
	<i>PE (sport)-</i>	1	

Course #	SEMESTER 4	Credits	✓
ELEC 218	Introduction To Microprocessors	3	
MECH 120	Mechanisms	3	
	Technical Elective #- _____	3	
	Technical Elective #- _____	3	
	<i>Behavioral, Social Science or Humanities-</i>	3	
	<i>PE (fitness)-</i>	1	

Bold italic items are Core Requirements.

NOTES:

Select 4 courses from the following Electives:

Nuclear Power	Credits	Electrical Power Distribution	Credits
Nuclear Fundamentals	3	ELEC 228: Energy Conversion & Power	3
Reactor Materials	3	Distribution System Components	3
Radiation Detection	3	Transmission Line Theory and Practice	3
Reactor Theory	3	Instrumentation and Control	3
Electrical Power Generation			
ELEC 204: Electrical Machinery	3		
Power Generation Systems	3		
Power Plant Operation + Maintenance	3		

¹ By Advisement of the Curriculum Chair.

Instrumentation and Control	3		
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