


Career Academy: Power and Energy Technology

Secondary CTE Program: Power and Energy Technology

Career Cluster Pathway: Science, Technology, Engineering and Math (STEM)

Eligible Recipient: Grade 9-12

8601300

	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS	
	ENGLISH 4 credits	MATH 4 credits	SCIENCE 4 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES (Aligned with State University System Admissions)
					FINE or PRACTICAL ARTS (1 cdt)		
					PHYSICAL EDUCATION (1 cdt)		

HIGH SCHOOL	Career Cluster of interest identified by students enrolled in required middle school career education course that includes interest assessment and career exploration through CHOICES and ePersonal Education Planner through FACTS.org.							
	9	English 1	Math	Physical Science	World Geography & Teen Leadership AP Human Geography	Hope	Energy Foundations (8006110)	Elective or World Language
	10	English 2	Math	Biology	World History Honors	Elective	Power and Energy Technology 1 (8601310)	Elective or World Language
	11	English 3	Math DE/AP Math	Earth Science	American History	Elective	Power and Energy Technology 2 (8601320)	Legal Aspects of Business
	12	English 4	Math DE/AP Math	Science or Elective	American Government .5 + Economics .5	Elective: Advanced Applications in Technology (8601900) Preq: P&E 1-3	Power and Energy Technology 3 (8601330)	Internship DE/AP Elective
Dual enrollment courses may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements - see the Articulation Coordinating Committee's Dual Enrollment Equivalency List and the Bright Futures Comprehensive Course Table.								

POSTSECONDARY Secondary career and technical education programs may lead to industry recognized certificates, occupational opportunities or postsecondary education options. Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.

POSTSECONDARY	TECHNICAL CENTER PROGRAM(S)	COMMUNITY COLLEGE PROGRAM(S)	UNIVERSITY PROGRAM(S)
	Sustainable Design, Architectural, Mechanical, Structural Drafting, Electronic Technnology, Electrical line Supervisor, Electrical and Instrumentation, Industrial Electricity	Sustainable Design, Drafting and Design Technology, Alternative Energy Systems Technology, Electronics Technician, Electrical Distribution Technology	Drafting and Design Technology, Engineering Technology, Electrical Distribution Technology, Telecommunications Engineering Technology
CAREER	SAMPLE CAREER SPECIALTIES (The Targeted Occupations List may be used to identify appropriate careers.)		
	Line Maintainers, Welders, Plumbers, Energy Technician	Architectural Drafting, Engineering, Instrumentation and Control Technicians, Power Plant Operator, Powerhouse, Substation, Electrical and Electronic Repairer	Engineering, Nuclear Power Reactor Operator

CREDIT	ARTICULATION AND CTE DUAL ENROLLMENT OPPORTUNITIES		
	Secondary to Technical Center (PSAV)	Secondary to College Credit Certificate or Degree	PSAV/PSV to AAS or AS to BS or BAS

*Possible Industry Certifications (Students):

Secondary:	AutoDesk Inventor
Postsecondary:	