ENERGY AND NATURAL RESOURCES CAREER CLUSTER DESIGN

Energy Pathway

CIP CODE 14.4801

INTRODUCTORY LEVEL

Title	Code	Credit	Special Considerations
Introduction to Energy	41100	0.5	Required course for pathway approval.
Introduction to Environmental Science	41207	0.5	

TECHNICAL LEVEL

Title	Code	Credit	Special Considerations
Meteorology	03006	1	
AP Environmental Science	03207	1	
Mechanical Power Transmission Systems	13302	0.5	
Foundations of Electronics	21201	1	Choose either 21201 or 41170, but not both.
Energy Industry Fundamentals	41105	1	Required course for pathway approval.
Energy, Power & Society	41150	1	
Wind Energy Operations	41160	1	
Fundamentals of Electricity & Electronics	41170	1	Choose either 21201 or 41170, but not both.
Principles of Applied Engineering	41320	1	

APPLICATION LEVEL

Title	Code	Credit	Special Considerations
HVAC Technology	17056	0.5	
Hydraulics & Pneumatics	39302	0.5	
Workplace Experience in Energy	41250	0.5	
Workplace Experience in Energy – Comprehensive	41260	1	
Advanced Electricity & Electronics	41270	0.5	Prerequisite course required; see competency profile.
Materials Science in Engineering	41355	0.5	

APPROVED PATHWAY:

1. Includes a minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consist of a sequence:
   a. Introductory-level course.
   b. Technical-level course.
   c. Application-level course.
4. Supporting documentation includes:
   a. Articulation Agreement(s).
   b. Certification.
   c. Program Improvement Plan.
   d. Program of Study.
5. Technical-level and Application-level courses receive .5 state weighted funding in an approved CTE pathway.