Industrial Technology Department

New Class Proposal

ENGINEERING CAREER CLUSTER DESIGN

Engineering & Applied Mathematics Pathway – CIP Code 14.0101

Approved Pathway:

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

INTRODUCTORY LEVEL

*Intro to Engineering	41310	1 credit

TECHNICAL LEVEL

Robotics	21009	1 credit
**Engineering Design OR	21006	1 credit
**Drafting / CAD	21107	1 credit

APPLICATION LEVEL

Eng. Design & Development	21007	1 credit
Workplace Experience in Engineering	41048	.5 credit
Workplace Experience	21048	1 credit

*Required for Pathway approval

** May offer 21006 OR 21107, but not both

ENGINEERING CAREER CLUSTER DESIGN

Energy Pathway – CIP Code 17.2071

Approved Pathway:

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

INTRODUCTORY LEVEL

* Introduction to Energy	41100	.5 credit

TECHNICAL LEVEL

*Energy Industry Fundamentals	41105	1 credit

APPLICATION LEVEL

R&D for Energy Comprehensive	41260	1 credit

*Course required for pathway approval.

COLT SCREEN PRINTING- (Research and Design in Manufacturing)

