TRANSPORTATION CAREER CLUSTER DESIGN

Mobile Equipment Maintenance Pathway – CIP Code 47.9999

STRAND TWO

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 include Articulation Agreement(s) and a Program of Study.
5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

INTRODUCTORY LEVEL

*Intro. to Industrial Tech.	38001	.5 credit	Automotive Information	40050	.5 credit
*Intro. to Transportation	40100	.5 credit	Business Essentials	12050	.5 credit

TECHNICAL LEVEL

Fund. Of Electronic/ Electrical Systems	40200	1 credit	Engine Performance I	40220	.5 credit
Brakes	40204	.5 credit	Steering/Suspension	40224	.5 credit
Alternative Power	40210	.5 credit	Mobile HVAC	40228	.5 credit
Drive Train Tech.	40208	.5 credit	Engine Mechanical Repair - Gas &/or Diesel	40216	.5 credit
Sm. Gas Engines & Powertrains	40212	1 credit	Auto Collision I	40300	1 credit
✸Entrepreneurship	12053	.5 credit	Auto Refinishing I	40310	.5 credit
			Machine Tool Technology Ia	39203	.5 credit

APPLICATION LEVEL

**Advanced Electronics/ Electrical Systems	40202	1 credit	**Engine Performance II	40222	1 credit
**Advanced Brakes	40206	.5 credit	**Adv. Steering/Suspension	40226	.5 credit
**Auto Collision II	40302	1 credit	**Adv. Sm. Engines & Powertrain	40214	1 credit
**Auto Refinishing II	40312	.5 credit	**Custom Refinish. & Applic. A	40314	.5 credit
Research & Emerging Trends in Transportation	40250	.5 credit	**Custom Refinish. & Applic. B	40315	.5 credit
			Research & Emerging Trends in Transportation	40251	1 credit

*One of these two courses is required for pathway approval. **Has a pre-requisite course.

✸Will not count as one of the 3 required secondary level credits for pathway approval. Will count as a funded course.

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.