



Program of Study: Diesel Technology Certificate



Postsecondary/Secondary Partner(s): _____

Career Pathways: **Facility and Mobile Equipment Maintenance**

Education Levels	Grade	Communication	Mathematics	Other Required Academic Courses (i.e. Science, Social Science)	Career and Technical Program Courses	Supplementary Course Recommendations (i.e. world language, entrepreneurship, etc)	Possibilities of careers relating to this Pathway
State Graduation Requirements: (URL to Page) www.cde.state.co.us/postsecondary/graduationguidelines							
MIDDLE	7						Mobile Heavy Equipment Mechanics, Tire Repairers and Changers, Locomotive Firers, Locomotive Engineers, Bus and Truck Mechanics, Pipe Fitters and Steam Fitters, Mechanical Engineers, Electricians, Pile Driver Operators, Inspectors, Testers, Sorters, Weighers, Samplers, Electrical and Electronics Installers and Repairers,
	8						
High /Secondary	9	English 9	Algebra I	Physical Science, Cultural Geography		Ag Tech I, Info Processing, Health, World Language	
	10	English 10	Geometry	World History, Biology		Computer Applications, World Language II	
	11	English 11	Algebra II	US History, Chemistry		Physical Education, World Language III	
	12	English 12	Pre-calc/Trig or Other Math	Civics/Political Science, Physics or Other Science		World Language IV, Physical Education	
13 th year (ASCENT, P-TECH or other):							
High school courses in the pathway offered locally for college credit should be coded Concurrent Enrollment with CCNS Prefix and Number <weblink>							
List related Industry Certifications/credentials approved and offered locally: <insert credential/Industry certification name here>				Additional Learning Opportunities: CTSO organization(s): <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> CCSA <input type="checkbox"/> HOSA <input checked="" type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> SC ²			
<this field> must have <this level> of training & learning:				Work-based Learning: <input checked="" type="checkbox"/> Career Research <input checked="" type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Mentorship <input type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Student Apprenticeship <input type="checkbox"/> Industry Certificate			
Postsecondary: CCPT Placement Assessment CLEP <weblink> Prior Learning Assessment (PLA) eligibility: <weblink> Acceleration Opportunities: AP: IB:				Other Graduation Requirements: <input type="checkbox"/> Capstone Project <input type="checkbox"/> Assessment (ACT, SAT, WorkKeys, ASVAB, Locally endorse, Other) <input type="checkbox"/> ICAP Quality Indicators <input type="checkbox"/> PWR Competencies			

		POSTSECONDARY PROGRAMS														
POSTSECONDARY		Industry Certificate	Certificate	Associates Degree	Bachelor's Degree	Advanced Degree										
			ASE: Diesel Certifications	Diesel Technology	Diesel Technology Welding, Heavy Equipment Technology	Civil, Electrical, Environmental & Mechanical Engineering, Industrial Engineering,	Engineering Management, MS; Industrial & Systems Engineering, MS; Mechanical Engineering, MS & PhD									
Insert Program Requirements for Entry: http://www.trinidadstate.edu/admissions																
Gainful Employment Link: http://trinidadstate.edu/gedt/GedtDieselTechnology-EPIC/Gedt.html																
POSTSECONDARY COMMUNITY COLLEGE	Semester	CTE Sequence of Courses			General Education (Sequence of Courses)											
	Year 1 1 st Semester	MAN 125 Team Building OSH 127 10-Hr. Construction Industry Standards ASE 120 Basic Auto Electricity ASE 123 Battery, Starting and Charging	DPM 103 Diesel Engines I DPM 106 Diesel Fuel Systems DPM 170 Lab Experience DPM 203 Diesel Engines II													
	Year 1 2 nd Semester	DPM 105 Heavy Duty Powertrains I DPM 121Hydraulic Systems I DPM 122 Hydraulic Systems II	DPM 205 Heavy Duty Powertrains II DPM 206 Heavy Duty Brakes I EIC 105 or ADE 135 Basics of AC & DC Engines													
	Year 2 1 st Semester															
	Year 2 2 nd Semester															
Advanced Degree(s)	University/College: Degree or Major: Number of Articulated CC Credits: <insert link to Articulation Agreements> Alignment to ICAP Process and outcome(if applicable):															
Symbols/Codes: Legend: (this POS is coded for the following) <table style="width:100%; border:none;"> <tr> <td>+ GT Pathway</td> <td>o ICAP Quality Indicator Shown</td> </tr> <tr> <td>* Hot career field</td> <td>- PWR Competencies Shown</td> </tr> <tr> <td>^ Special Pops/ACE</td> <td>@ AVID</td> </tr> <tr> <td>~ Concurrent Enrollment</td> <td>/ IB</td> </tr> <tr> <td>x Badge</td> <td>< AP</td> </tr> </table>							+ GT Pathway	o ICAP Quality Indicator Shown	* Hot career field	- PWR Competencies Shown	^ Special Pops/ACE	@ AVID	~ Concurrent Enrollment	/ IB	x Badge	< AP
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Signatures:

_____ (Postsecondary) _____ Secondary _____ Date