



## Program of Study: Heavy Equipment Technology Certificate

Postsecondary/Secondary Partner(s): \_\_\_\_\_

Career Pathways: Construction/Heavy Equipment/Earthmoving Equipment Operation

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) <a href="http://www.cde.state.co.us/postsecondary/graduationguidelines">www.cde.state.co.us/postsecondary/graduationguidelines</a>							
MIDDLE	7						Equipment Operator, Heavy Equipment Operator, Operating Engineer, Back Hoe Operator, Loader Operator, Machine Operator, Motor Grader Operator, Track Hoe Operator, Excavator Operator, Truck Driver, Roller Operator, Asphalt Roller Operator, Asphalt Paving Machine Operator, Pipeline Worker, Bulldozer Operator
	8						
High /Secondary	9	English 9	Algebra I	Physical Science, Cultural Geography		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		Welding Internship World Language IV	
13 <sup>th</sup> 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>							
<b>List related Industry Certifications/credentials approved and offered locally:</b> <insert credential/Industry certification name here>  <b>&lt;this field&gt; must have &lt;this level&gt; of training &amp; learning:</b>				<b>Additional Learning Opportunities:</b> <b>CTSO organization(s):</b> <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 type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> SC <sup>2</sup>  <b>Work-based Learning:</b> <input type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input checked="" type="checkbox"/> Mentorship <input checked="" 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:				<b>Other Graduation Requirements:</b> <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
		National Center for Construction Education and Research Certification	Heavy Equipment	Heavy Equipment Technology, Diesel Technology, Welding	Civil, Electrical, Environmental & Mechanical Engineering, Industrial Engineering,
Insert Program Requirements for Entry: <a href="http://www.trinidadstate.edu/admissions">http://www.trinidadstate.edu/admissions</a> Gainful Employment Link: <a href="http://www.trinidadstate.edu/gedt/HeavyEquipment/HeavyEquipment/Gedt.html">http://www.trinidadstate.edu/gedt/HeavyEquipment/HeavyEquipment/Gedt.html</a>					
POSTSECONDARY COMMUNITY COLLEGE	Semester	CTE Sequence of Courses		General Education (Sequence of Courses)	
	Year 1 1 <sup>st</sup> Semester	MAN-125 Team Building OSH-127 10-Hr. Construction Industry Standards DPM-100 Introduction to Diesel Mechanics DPM-101 Diesel Shop Orientation DPM-111 Cab and Electrical PMI DPM-112 Engine Systems PMI	HEQ-150 Basic Principles of Eng. Op. and Drive Train HEQ-220 Motor Grader I HEQ-225 Backhoe I HEQ-230 Hydraulic Excavator HEQ-240 Basic Bulldozer HEQ-246 Front End Loader II		
	Year 1 2 <sup>nd</sup> Semester	HEQ-210 Pipeline Installation HEQ-200 Heavy Equipment Grading and Staking HEQ-221 Motor Grader II HEQ- 226 Backhoe II	HEQ-241 Motor Grader II HEQ-250 On-Road Dump Trucks BUS-121 Basic Workplace Skills		
	Year 2 1 <sup>st</sup> Semester				
	Year 2 2 <sup>nd</sup> 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) + GT Pathway                      o ICAP Quality Indicator Shown                      ~ Concurrent Enrollment                      / IB * Hot career field                      - PWR Competencies Shown                      Badge                      < AP ^ Special Pops/ACE                      @ AVID					

**Signatures:**

\_\_\_\_\_ (Postsecondary) \_\_\_\_\_ Secondary \_\_\_\_\_ Date