



Program of Study (POS): DIESEL TECHNOLOGY (DT)
Classification of Instructional Program (CIP): 47.0613

Topic	Information	Resources
Classroom tests	Quizzes given intermittently; tests often administered at the middle and/or end of textbook chapters (usually 6 or 12 per Quarter)	Course textbook; Quizlet; others as provided by the teacher
Midterm and/or final exams	Major performance tasks; NOCTI end of program Assessment; various industry certification tests	www.nocti.org
Industry certification tests and costs	S/P2 Diesel Shop Safety (free) and S/P2 Pollution Prevention (free); others to be determined	sp2.org
Number of books	1 classroom set: <i>Medium/Heavy Duty Commercial Vehicle Systems & Medium/Heavy Diesel Engines</i>	Canvas online access for all students
Direct instruction (%)	40%	<i>Simulated Diesel Engine</i>
Cooperative education	Available to those who qualify: Typically 12 th grade concentrators in their third years whose attendance, conduct, and grades are above average	Lori Warabow, Work-based Learning Coordinator: 412.469.3200, x2542
Homework	Periodically for all students or differentiated for remediation/enrichment purposes; make-up work	
Task list	Program of study task list for CIP 47.0613	www.education.pa.gov (search CIP POS task list)
Prerequisites	Algebra 1 recommended; completion of 9 th grade; grades of “C” or better in academic subjects; strong interest in medium/heavy engine mechanics, diesel mechanics, and/or other related vehicular trades	
Reading levels	End of grade 9	
Math levels	End of grade 9	
Program requirements and related costs (required and optional)	<u>Required</u> uniform: SC Diesel Technology work shirt, work pants, work hat, and steel toe boots (variable \$100+); tool kit/set (variable \$100+)	www.steelcentertech.com Diesel Technology homepage
Dual enrollment	None at this time, though may be available through respective sending high schools	Mr. Shannon Hinkle, School Counselor: 412-469-3200 x 2517
Articulation agreements	<ul style="list-style-type: none"> • UNOH • Rosedale Technical College, • Others that may be listed on PDE’s website 	PDE: www.education.pa.gov (search SOAR); Mr. S. Hinkle, Counselor: 412.469.3200, x2517
Essential aptitudes and skills	Good eye-hand coordination; strong communication and problem solving skills; a commitment to customer service; professionalism; an ability to consistently comply with safe-work procedures including, but not limited to, operating power tools/equipment and complex machinery	
Work environment	Well-ventilated, very loud, and safe shop; use of chemicals; often standing for the majority sessions; frequent work with hydraulic, pneumatic, and fuel systems; lifting heavy items; some basic welding	Diesel Technology rules, as outlined in the program syllabus: www.steelcentertech.com

* More detailed information may be provided upon acceptance to this program.