



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

Topic	Information	Resources
<b>Classroom tests</b>	Quizzes given intermittently; tests often administered at the middle and/or end of textbook chapters (usually 3 or 4 per marking period)	Course textbook; Quizlet; others as provided by the teacher
<b>Midterm and/or final exams</b>	Major performance tasks; NOCTI end of program Assessment; various industry certification tests	www.nocti.org
<b>Industry certification tests and costs</b>	S/P2 Diesel Shop Safety (free) and S/P2 Pollution Prevention (free); others to be determined	sp2.org
<b>Number of books</b>	2 classroom sets: <i>Medium/Heavy Duty Commercial Vehicle Systems &amp; Medium/Heavy Diesel Engines</i>	Kurzweil online access for eligible students
<b>Direct instruction (%)</b>	25%	<i>Simulated Diesel Engine</i>
<b>Cooperative education</b>	Available to those who qualify: Typically 12 <sup>th</sup> grade concentrators in their third years whose attendance, conduct, and grades are above average	Lori Warabow, Work-based Learning Coordinator: 412.469.3200, x2542
<b>Homework</b>	Periodically for all students or differentiated for remediation/enrichment purposes; make-up work	
<b>Task list</b>	Program of study task list for CIP 47.0613	www.education.pa.gov (search CIP POS task list)
<b>Prerequisites</b>	Algebra 1 recommended; completion of 9 <sup>th</sup> grade; grades of "C" or better in academic subjects; strong interest in medium/heavy engine mechanics, diesel mechanics, and/or other related vehicular trades	
<b>Reading levels</b>	End of grade 9	
<b>Math levels</b>	End of grade 9	
<b>Program requirements and related costs (required and optional)</b>	<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
<b>Dual enrollment</b>	None at this time, though may be available through respective sending high schools	Mr. Shannon Hinkle, School Counselor: 412-469-3200 x 2517
<b>Articulation agreements</b>	<ul style="list-style-type: none"> <li>• UNOH</li> <li>• Wyotech</li> <li>• Rosedale Technical College,</li> <li>• Others that may be listed on PDE's website</li> </ul>	PDE: www.education.pa.gov (search SOAR); Mr. S. Hinkle, Counselor: 412.469.3200, x2517
<b>Essential aptitudes and skills</b>	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	
<b>Work environment</b>	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.