



## REQUEST AND RECOMMENDATION

### ONE YEAR OPTION

### 900+ Clock Hour Programs – Diesel Mechanics Technology

#### Background:

To provide another option for adult students to apply prior learning toward a degree, Ohio legislators established what has come to be known as the One-Year-Option through Section 363.120 House Bill 59 of the 130<sup>th</sup> General Assembly. The Chancellor of the Ohio Department of Higher Education, in consultation with the Superintendent of Public Instruction and the Governor's Office of Workforce Transformation, was tasked to establish a One-Year Option credit articulation system in which graduates of Ohio's adult career-technical institutions who complete a 900-hour program of study AND obtain an industry-recognized credential approved by the Chancellor will be able to receive 30 technical semester credit hours toward a technical degree upon enrollment in a public institution of higher education. The Chancellor was also to recommend a process to award proportional semester credit hours for adult career-technical institution students who complete a program of study between 600 and 899 hours AND obtain an industry-recognized credential approved by the Chancellor. The Chancellor convened a broad group of stakeholders to develop a system of articulation for the One Year Option that was presented in a report to the legislature called, "*Getting to 30: Establishing a One Year Option Credit Articulation System for Ohio.*"

In order to implement the system of articulation developed with the stakeholders as well as address accreditation requirements for degree granting institutions, the Chancellor convened Credit Affirmation Teams (CATs) to conduct a peer review of programs and certifications for affirmation for a block of 30 semester hours of technical credit. The CATs were comprised of faculty and administrators from Ohio Technical Centers (OTCs) and an equal number from public degree granting colleges and universities in Ohio. The CATs were organized by four discipline clusters: Health and Allied Health, Building and Industrial Technology, Business and Information Technology, and Services. They were charged with reviewing the certifications and, if necessary, program content, to affirm that students completing the selected program at an Ohio Technical Center and earned approved certifications had demonstrated competencies equivalent to 30 semester hours of technical credit. This technical credit would then be granted, as a block, upon enrollment in a degree granting institution. Additional subject matter experts were consulted when core team members did not have sufficient content knowledge of the program being reviewed.

## Recommendation

As detailed in the attached template, the Building and Industrial Technology Credit Affirmation Team recommends that students will be eligible for a block of 30 semester hours of technical credit towards an *Associate of Technical Studies in Building and Industrial Technology* when:

- the student has successfully completed a 900+ clock hour program in Diesel Mechanics Technology at an Ohio Technical Center.

**And** currently holds **ALL** of the following credentials:

- Automotive Service Excellence (ASE) Student Exam: Diesel Engine
- Automotive Service Excellence (ASE) Student Exam: Electrical/Electronic Systems
- Automotive Service Excellence (ASE) Student Exam: Brakes
- Automotive Service Excellence (ASE) Student Exam: Suspension and Steering
- Occupational Safety and Health Administration (OSHA) 10 – General Industry

Please note these certifications must be current and valid. If an individual's ASE Student Certifications have expired, the individual must have previously passed all of the student certifications and hold at least one current ASE technician certification (T2- T7) or an ASE Master Medium Heavy Truck Technician certification.

End of Comment Period: July 17, 2015 at 2:45 pm  
No comments received, recommend approval

**RECOMMENDATION**

The Vice Chancellor of Academic Affairs has verified that this pathway has met the standards and requirements of the Ohio Board of Regents.

*SDavidson*

*7/22/15*

Stephanie Davidson, Vice Chancellor of Academic Affairs

Date

**APPROVAL**

*John Carey*

*7/30/15*

John Carey, Chancellor

Date

AD

**One-Year Option**  
**Certification Affirmation Template**

*The Program Affirmation is designed to provide a common matrix for a peer review process acceptable to the Higher Learning Commission to soundly affirm award 30 semester hours of technical credit for Ohio Technical Center graduates who are eligible for the One Year Option. The template should be completed for every program/subject and signed by the co-chairs of each of the four-cluster program areas for every Industry-recognized credential and program reviewed.*

*Please note: All Ohio Technical Centers must be accredited by one of the following: [Council on Occupational Education \(COE\)](#) and/or [Accrediting Commission of Career Schools and Colleges \(ACCSC\)](#).*

<b>Program Name:</b> Diesel Mechanics Technology/Technician	<b>Cluster</b> <input type="checkbox"/> Business & Information Technologies <input type="checkbox"/> Health/Allied Health <input checked="" type="checkbox"/> Industrial Trades <input type="checkbox"/> Service Industries & Agriculture	
<b>CIP Code:</b> 47.0605		
<b>CIP CODE DEFINITION</b>		
A program that prepares individuals to apply technical knowledge and skills to repair, service, and maintain diesel engines in vehicles such as automobiles, buses, ships, trucks, railroad locomotives, and construction equipment; as well as stationary diesel engines in electrical generators and related equipment.		
<b>STEP ONE: CREDENTIAL REVIEW</b>		
	<b>Details/Explanation</b>	<b>Comments</b>
Primary Industry Credential (if there are competing certifications complete page multiple times)	<b>Name:</b> Automotive Service Excellence (ASE)-Student Certification <b>Type:</b> <input type="checkbox"/> License <input type="checkbox"/> Registry <input checked="" type="checkbox"/> Certification	<b>Certifications:</b> <ul style="list-style-type: none"> <li>• ASE Student Exam: Diesel Engine</li> <li>• ASE Student Exam: Electrical/Electronic Systems</li> <li>• ASE Student Exam: Brakes</li> <li>• ASE Student Exam: Suspension and Steering</li> </ul>
Program requirements by credentialing body.	Post-secondary entry-level automotive training programs may use the ASE Student Certification program, regardless of their accreditation status or involvement with ASE, AYES, NATEF, or Skills USA. The exams are available each fall and spring.	<b>About the Exams:</b> The ASE Student Certification program is specifically designed to evaluate and certify students who are near the end of their studies. The National Institute for Automotive Service Excellence (ASE) developed the exams in partnership with Automotive Youth Educational Systems (AYES), National Automotive Technicians Education Foundation (NATEF), and SkillsUSA. For more information about the ASE Student Certification program,

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		<p>including dates, testing details, scoring criteria, and more, please visit <a href="http://www.ASEStudentCertification.com">www.ASEStudentCertification.com</a>.</p> <p><b>Renewal:</b>  Student certification is valid for two years from the date the exam was taken.</p> <p><b>Exam Integrity:</b>  All tests are administered at the school through a secure computer-based testing (CBT) platform delivered via the Internet. A proctor, who is a staff person other than an automotive instructor, enables the exam for students and monitors their test sessions.</p> <p>ASE Student exams are reviewed periodically and updated to maintain currency with NATEF Standards Releases.</p>
<p>Hour Requirements (includes any instructional, lab/practice hours, or internship hours).</p>	<p>All competencies must be covered. There are no work experience requirements for student certification; the student simply needs to pass one or more of the student certification exams. Upon successful completion of an exam, the school prints the certificate, has it signed by the school principal or proctor for validation, and then awards it to the student.</p>	<p>Programs should align with the NATEF Standards but are not required to be accredited by NATEF. <a href="http://www.natef.org/NATEF/media/NATEFMedia/Accreditation/Accreditation%20Docs/2014%20Truck%20Docs/Truck-2014-Program-Standards.pdf">http://www.natef.org/NATEF/media/NATEFMedia/Accreditation/Accreditation%20Docs/2014%20Truck%20Docs/Truck-2014-Program-Standards.pdf</a></p>
<p>Competencies demonstrated by credential attainment.</p>	<p>Diesel Engines</p> <ul style="list-style-type: none"> <li>• General</li> <li>• Cylinder Head and Valve Train</li> <li>• Engine Block</li> <li>• Lubrication Systems</li> <li>• Cooling System</li> <li>• Air Induction, Exhaust System and Engine Brakes</li> <li>• Fuel System</li> </ul> <p>Electrical/Electronic Systems</p> <ul style="list-style-type: none"> <li>• General Electrical Systems</li> <li>• Battery</li> </ul>	

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**Certification Affirmation Template**

- Starting Systems
- Charging System Diagnosis and Repair
- Lighting Systems
- Gauges and Warning Devices
- Related Electrical Systems

Brakes

- Air Brakes
- Hydraulic Brakes
- Air and Hydraulic Antilock Brake Systems (ABS) and Automatic Traction Control (ATC)

- Wheel Bearings

Suspension and Steering

- Steering Systems
- Suspension Systems
- Wheel Alignment Diagnosis, Adjustment, and Repair
- Wheel and Tire
- Frame and Coupling Device

Rationale:

The Trades and Industry Credit Affirmation Team (CAT) utilized the following process to complete the assessment regarding the number of semester hours that would be awarded at the college level as block credit based on industry credentials plus 900-clock hours earned at an Ohio Technical Center (OTC).

- Research the competencies tested by the industry credential(s). The Trades and Industry CAT reviewed information about the industry credential(s) to determine the competencies signaled by earning the credential(s).
- Complete a nationwide internet search to review how other accredited colleges and universities are applying credit to ASE Student Certifications as a point of comparison. The team could not find any reference to ASE Student Certifications.
- Review the value of local program advisory committee recommendations to meet the local industry needs. The Team concurred that there was value in having lab/practical, internships and/or externships as part of the program to meet local industry/business needs.
- Review OSHA 10-Hour Hazard Recognition Training for the General Industry. OSHA 10 includes content essential to general-related work such as fall protection, personal protective equipment, fire prevention and safety, OSHA inspection procedures and more.

The Trades and Industry CAT confirms:

- The certifications exams are valid, reliable and peer-reviewed on a regular basis to ensure the content accurately

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**Certification Affirmation Template**

measures intended competencies.

- The ASE exams are administered through a secure process and delivered in a computer-based format to improve security and maintain currency of content.
- The competencies measured by the ASE exams are developed by industry and reflect industry standards.

The Trades and Industry CAT also considered competencies signaled by lab and practical learning experiences. As part of the program offered by OTCs, student will participate in lab/practical experience as recommended by the local program advisory committee to meet local business and industry needs. The lab/practical experiences will reinforce the instructional competencies through hands-on learning.

Upon successful completion of the 900+ hour program in the field of diesel mechanics technology at an Ohio Technical Center and attainment of the following certifications:

- ASE Student Exam: Diesel Engine
- ASE Student Exam: Electrical/Electronic Systems
- ASE Student Exam: Brakes
- ASE Student Exam: Suspension and Steering
- OSHA 10 General Industry

A student shall be awarded 30 technical semester hours to be applied towards completion of an Association of Technical Studies at a public degree granting college or university.

**ONLY IF NECESSARY TO AFFIRM 30 CREDITS----STEP TWO: PROGRAM-RELATED COMPETENCIES OBTAINED OUTSIDE OF PRIMARY CREDENTIAL**

	<b>Details/Explanation</b>	<b>Comments</b>
Additional related complementary credential(s) or badge(s) (e.g. OSHA 10, CPR).	OSHA 10 – General Industry	
Competencies demonstrated by additional credential attainment.	Mandatory - 7 hours of training <ul style="list-style-type: none"> <li>• Introduction to OSHA</li> <li>• Walking and Working Surfaces, including fall protection</li> <li>• Exit Routes, Emergency Action Plans, Fire Prevention Plans, and Fire Protection</li> <li>• Electrical</li> <li>• Personal Protective Equipment</li> <li>• Hazard Communication</li> </ul>	Must be taught by a Certified OSHA Outreach Trainer. <a href="https://www.osha.gov/dte/outreach/program_requirements.pdf">https://www.osha.gov/dte/outreach/program_requirements.pdf</a>  OSHA safety training compliance standards are for the jobsite and individuals receive a wallet card and certificate. OSHA 10 can only be taught by an OSHA

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	<p>Elective - 2 hours of Training</p> <p>Must present at least two hours of training on the following topics. At least two topics must be presented. The minimum length of any topic is one-half hour.</p> <ul style="list-style-type: none"> <li>• Hazardous Materials</li> <li>• Materials Handling</li> <li>• Machine Guarding</li> <li>• Introduction to Industrial Hygiene</li> <li>• Bloodborne Pathogens</li> <li>• Ergonomics</li> <li>• Safety and Health Program</li> <li>• Fall Protection</li> </ul> <p>Optional - 1 hour of Training.</p> <p>Teach other general industry hazards or policies and/or expand on the mandatory or elective topics. The minimum length of any topic is one-half hour.</p>	<p>Outreach Trainer in good standing, who has been approved by OSHA standards and has completed OSHA Train-the Train course work.</p>	
Description of additional program elements beyond primary credential.			
Program related competencies/learning outcomes outside of credential(s). Include how competencies are demonstrated.			
Related Programs as of Fall 2015:	<p><b>Ohio Technical Center</b></p> <p>Career and Technology Educational Center</p> <p>Great Oaks Institute Of Technology</p> <p>Scioto County Career Technical Center</p>	<p><b>Program Name</b></p> <p>Heavy Truck Mechanics</p> <p>Industrial Diesel Mechanics</p> <p>Medium/Heavy Truck Technician</p>	<p><b>Clock Hours</b></p> <p>900</p> <p>900</p> <p>1200</p>
Committee Members and Subject Matter Experts:	<p><b>Name</b></p> <p>Barbara Wagner</p> <p>Kelly Zelesnik</p>	<p><b>Role</b></p> <p>Co-Chair</p> <p>Co-Chair</p>	<p><b>Institution</b></p> <p>Upper Valley Career Center</p> <p>Lorain County Community College</p>

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	Jon Buttelwerth	Member	Cincinnati State Technical and Community College
	Lorraine Kapka	Member	Sinclair Community College
	Mike Sizemore	Member	Miami Valley Career Technical Center
	Tim Conley	Member	Pickaway Ross Career and Technology Center
	Jeffrey Jones	Member	Ashland County West Holmes Career Center

Other Parameters of Competency.		
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**OTHER COMMENTS.** Material covered is adequate to allow 30 hours of credit to be granted.

<b>AFFIRMED NUMBER OF TECHNICAL BLOCK CREDITS</b>	30 semester hours	<p><b>LENGTH OF TIME CREDENTIAL CAN BE USED FOR ONE-YEAR OPTION:</b> Must have completed a 900+ hour program at an Ohio Technical Center and hold the following certifications.</p> <ol style="list-style-type: none"> <li>1. ASE Student Exam: Diesel Engine</li> <li>2. ASE Student Exam: Electrical/Electronic Systems</li> <li>3. ASE Student Exam: Brakes</li> <li>4. ASE Student Exam: Suspension and Steering</li> <li>5. OSHA 10 – General Industry</li> </ol> <p>The above certifications must be current and valid. If an individual's ASE Student Certifications have expired, the individual must have previously passed all of the student certifications and hold at least one current ASE technician certification (T2- T7) or an ASE Master Medium Heavy Truck Technician certification.</p>
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Co-chair signatures:



Dr. Barbara G. A. Wagner, Adult Division Director  
Upper Valley Career Center – Ohio Technical Center



Kelly A. Zelesnik, Dean of Engineering Technologies  
Lorain County Community College

Date: 6/25/2015