

Course Title: Internal Combustion Engine			
Course Prefix &	Lecture Hours:	Lab Hours:	Credit Hours:
No.: AUTO106N	2	3	3
Department: Transportation Technology			
Program: Automotive Technology			
Revision Date: 12/2021			

Prerequisites/ Co-requisites:

Admission into the Automotive Technology Program

Required Accuplacer Score:

Entrance Skills:

- · A minimum of one year of high school Algebra I is recommended
- Basic skills in written English are required
- · Basic reading skills are required
- Basic computer skills are required
- Students are expected to possess a good work ethic and a strong desire to learn.
- · A valid motor vehicle driver's license is required

Catalog Description:

This course examines 2 and 4 stroke engines, their operating systems, and related physical properties. Principals from basic carburation to variable cam timing, forced induction and performance parts are covered. The lab element of this course exposes the students to the construction methods, precision measurements, and tolerances related to engine design. It also covers basic diagnostics of a 4 stroke engine.

Course Competencies:

Competency (Knowledge and Skills) Students will be able to:	Critical Thinking Level	Linked to Program Outcome(s) #
Identify design and manufacturing techniques of automotive engines	Identify	
2. Understand the physical properties of energy conversion	Identify	
3. Explain the combustion principles of 2 and 4 stroke engines, gasoline and diesel	Identify	
4. Identify the operating systems of gasoline and diesel engines	Identify and relate	
5. Identify the internal components of an internal combustion engine	Identify	
6. Develop a sense of precision fit of engine components	Analyze and compare	
7. Use precision measurement tools to measure the internal components of an internal combustion engine	Apply and analyze	
8. Diagnose no-start condition of single cylinder engines	Analyze	

Course Outline:

Content Topic	Subtopics (a., b., etc.)	
Introduction		
Introduction	a. Safety b. Hardware c. Torque wrench	
Internal combustion engine	a. Operationb. Constructionc. Classificationsd. Size and measurements	
Top end	 a. Cylinder heads and components b. Valve train c. Cam timing d. Variable cam timing e. To include performance timing 	
Bottom end	 a. Block b. Crank c. Connection rods d. Piston and rings e. To include performance parts 	
Intake and exhaust systems	 a. Manifold designs b. Air flow requirements c. To include performance modifications 	
Forced induction	 a. Turbochargers b. Blowers/supercharges c. Nitrous d. To include OEM and Aftermarket 	
Fuel fundamental	a. Petroleum and alternative fuelsb. Basic fuel systems	
Ignitions systems	a. Introduction to ignition systems	

Performance Evaluation:

Formative Assessments	Summative Assessments
 Lab participation grade Classroom participation Quizzes Midterm exam Homework assignments, reading 	Final exam Lab practical exam

Method of Instruction:

- 1. Lecture and discussion
- 2. Required reading
- 3. Demonstration
- 4. Laboratory work

Instructional Facilities:

Instructional facilities required for this course include:

- 1. A traditional classroom with working audio/visual equipment.
- 2. Lab space including work benches 1 per every 2 students
- 3. Single cylinder engines, 1 per every 2 students

Revision History:

September, 2006 Roland Gies September, 2008 Roland Gies September, 2012 Roland Gies March, 2013 Roland Gies January, 5, 2017 Tim Hogan December 2021 Jason Felton

Will this course be taught online? Yes____No__X_

If yes, please complete the Online Course Outline Form.



Course Title: AUTOMOTIVE ELECTRICITY AND WIRIN
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Course Prefix & Lecture Hours: Lab Hours: Credit Hours:

No.: AUTO113N | 2 | 3 | 3

Department: Transportation Technology

Program: Automotive Technology

Revision Date: 12/2021

Prerequisites/ Co-requisites:

Admission into the Automotive Technology program

Required Accuplacer Score:

Entrance Skills:

- · A minimum of one year of high school Algebra I is recommended.
- Basic skills in written English are required.
- Basic reading skills are required.
- · Basic computer skills are required.
- Students are expected to possess a good work ethic and a strong desire to learn.
- A valid motor vehicle driver's license is required.

Catalog Description:

This course will cover the theory of automotive electrical systems and the diagnosis and troubleshooting of these systems. Wiring procedures, reading wiring diagrams, and repair techniques for electrical harness and components. Starting and charging systems will be covered.

Course Competencies:

Competency (Knowledge and Skills)	Critical Thinking	Linked to
Students will be able to:	Level	Program Outcome(s) #
1. How electricity is created and the relationships between electrical voltage, current flow and electrical resistances.	Recognize	
2. The theory of automotive electrical systems and the diagnosis and troubleshooting of these systems.	Recognize, apply and analyze	
3. Wiring procedures, reading wiring diagrams, and repair techniques for electrical harness and components.	Recognize, apply and analyze	
4. Understand basic electrical principles as applied to the different types of circuits.	Recognize, apply and analyze	
5. To be able to analyze circuits using Ohm's Law and related formulas.	Apply and analyze	
6. To become proficient at reading wiring diagrams and service manuals.	Identify and analyze	
7. To develop skill in the use of electrical test equipment.	Identify and analyze	
8. To build experience and competence in the troubleshooting of electrical problems on vehicles.	Apply and analyze	
9. Demonstrate knowledge of the design and function of starting and charging systems	Apply and analyze	
10. To develop safe working habits and respect for equipment and shop management.	Identify and apply	

Course Outline:

Content Topic	Subtopics (a., b., etc.)	
Introduction and Shop safety	a. Battery safety b. Electrical safety	
Electrical Fundamentals	a. What is electricity b. Conventional Theory, Electron Theory c. Ohm's law, Watt's Law d. Conductors, insulators, and semi- conductors	
Wire and Harness Repair	a. Soldering b. Crimping c. Splicing d. Basic electrical tools	
Digital Multimeters	a. Measuring resistance, voltage and current b. Continuity testing c. Voltage drop testing	
Series Circuits, Parallel circuits, and Series Parallel Circuits	a. Identifying circuit types b. Applying Ohm's Law to circuits	
Reading and Understanding Wiring Diagrams	a. Using online service info systems to access wiring schematicsb. Using and understanding printed schematics	
Battery Testing and Service	a. Battery testing, load testing b. Impedance testers c. Battery and terminal service	
Starting System Design and Diagnosis	a. Starter design and operationb. Starting system designc. Diagnosis and repair procedures	
Charging System Design and Diagnosis	a. Alternator design and operation b. Charging system design c. Diagnosis and repair procedures	

Performance Evaluation:

Formative Assessments	Summative Assessments
 Lab participation grade Classroom participation Quizzes Midterm exam Homework assignments, reading 	Final exam Lab practical exam

Method of Instruction:

- 1. Lecture and discussion
- 2. Required reading
- 3. Demonstration
- 4. Laboratory work

Instructional Facilities:

For this course a traditional classroom with working audio/visual equipment is required as well as working lab space in the automotive lab. Access to both a lab classroom with benches and main shop space with lifts is required for this class.

Revision History:

February, 2008 Brian Creegan April, 2013 Brian Cregan January, 2017 Dan Jones December 2021 Jason Felton

Will this course be taught online? Yes____No_X__

If yes, please complete the Online Course Outline Form.



Course Title: Automotive Suspension and Steering			
Course Prefix &	Lecture Hours:	Lab Hours:	Credit Hours:
No.: AUTO114N	2	4	3
Department: Transportation Technology			
Program: Automotive Technology			
Revision Date: 12/2021			

P	rereq	uisites/	Co-rec	quisites:

C or better in AUTO121N

Required Accuplacer Score:

Entrance Skills:

- · A minimum of one year of high school Algebra I is recommended.
- · Basic skills in written English are required.
- · Basic reading skills are required.
- · Basic computer skills are required.
- Students are expected to possess a good work ethic and a strong desire to learn.
- · A valid motor vehicle driver's license is required

Catalog Description:

An introduction to automotive suspension systems, four-wheel alignment, wheel balancing and Road force the lecture covers topics from basic components, Dynamic suspension systems, performance dampers and alignment angles. The lab includes the diagnostics and repair of steering and suspension components, wheel alignments and wheel and tire service. A grade of C or Better is required for progression

Course Competencies:

Competency (Knowledge and Skills)	Critical Thinking Level	Linked to Program
Students will be able to:		Outcome(s) #
1. To examine the principles of design and operation of steering and suspension systems	Identify	
2. Exercise safe procedures related to servicing steering and suspension systems	Employ	
3. To maintain, diagnose and repair steering and suspension systems	Analyze	
4. To perform four-wheel alignment	Apply, Employ and modify,	
5. To perform wheel and tire diagnosis and repair	Apply, modify	
6. To test and repair hydraulic power assist steering	Apply, discover, analyze, modify	

Course Outline:

Content Topic	Subtopics (a., b., etc.)
Introduction and Shop Safety	a. Lift pointsb. Shop procedures
Suspension Components	 a. Bushings b. Ball joints c. Control arms d. Dampers e. struts

Suspension systems service	a. inspection b. replacement c. adjustment
Steering system service	a. tie rods b. steering gear c. steering columns d. power assist
Wheel and tire service	a. mount, Road force and balanceb. diagnose vibration issues
Electric Suspension service	 a. Identify electric suspension components b. Repair c. Precaution
Four Wheel Alignments	a. Set-up of alignment machineb. Interpretation of alignment anglesc. Identify adjustment points

Performance Evaluation:

Formative Assessments	Summative Assessments
 Lab participation grade Classroom participation Quizzes Midterm exam Homework assignments, reading 	Final exam Lab practical exam

Method of Instruction:

- 1. Lecture and discussion
- 2. Required reading
- 3. Demonstration
- 4. Laboratory work

Instructional Facilities:

For this course a traditional classroom with working audio/visual equipment is required as well as working lab space in the automotive lab. Must have access to wheel service, strut service and wheel alignment machine

Revision History:

September. 2006 Tim Hogan February, 2008 Tim Hogan May, 2012 Tim Hogan April, 2013 Tim Hogan January 2017 Tim Hogan December 2021 Jason Felton

Will this course be taught online? Yes____No_X__

If yes, please complete the Online Course Outline Form.



Course Title: Automotive Service And Maintenance			
Course Prefix &	Lecture Hours:	Lab Hours:	Credit Hours:
No.: AUTO121N	2	4	4
Department: Tran	sportation Technol	ogy	
Program: Automotive Technology			
Revision Date: 12/	<u> </u>		

Prerequisites/ Co-requisites:

Admission into the Automotive Technology Program

Required Accuplacer Score:

Entrance Skills:

- · A minimum of one year of high school Algebra I is recommended
- Basic skills in written English are required
- · Basic reading skills are required
- Basic computer skills are required
- Students are expected to possess a good work ethic and a strong desire to learn.
- · A valid motor vehicle driver's license is required

Catalog Description:

The study and development of skills in automotive maintenance and preventive maintenance procedures such as engine lubrication, exhaust systems, cooling systems, tire rotation and balance, and NH state motor vehicle inspection procedures, engine drive belt, thread repair, Oxy/acetylene torches and mig welding fundamentals. A student must earn a 'C' or better to achieve a passing grade in this course. This course contains a service learning opportunity

Course Competencies:

Competency (Knowledge and Skills) Students will be able to:	Critical Thinking Level	Linked to Program Outcome(s) #
1. The student will learn the safety procedures involved in the service and repair of automotive chassis systems.	Recognize and apply	
2. The student will learn to safely perform the proper procedures involved in. servicing and/or repairing the following automotive systems: engine, lubrication, air intake, exhaust, cooling, automatic transmission, manual transmission, transfer case, and rear differential.	Recognize and apply	
3. The student will learn the proper procedures in using the oxygen acetylene torch to perform cutting, welding, and brazing.	Apply	
4. The student will learn the basic proper procedures involved in MIG welding.	Apply	
5. The student will learn to perform new vehicle destination service and NH State motor vehicle inspection.	Apply and analyze	
6. The student will learn the proper procedures for using the black light for fluid leak detection.	Analyze and apply	

Course Outline:

Content Topic Introduction	Subtopics (a., b., etc.)
Safety	 a. Safety in the workplace b. Hazardous materials and wastes c. MSDS sheets d. Safety equipment e. Hand tools

Lubrication	 a. Purposes of lubrication b. Contaminants c. Oil characteristics d. Oil classifications e. Synthetic oils f. Greases g. Oil change intervals
Automotive lubrication systems	a. Lubrication system operationb. Lubrication system partsc. Lubrication system service
Drive Belts, Fasteners, Gaskets, Seals, Sealants, and Adhesives	a.Fasteners and thread repair b. gaskets, seals, sealants and adhesive types and usage c. Automotive belts, types and usage d. Automotive Belts, gaskets, and seal service
Cooling Systems	 a. Principles of the cooling system b. Types of cooling systems c. Cooling system parts and operation d. Coolant characteristics e. Cooling system Service
Air Intake and Exhaust Systems	a. Air intake systemsb. Exhaust systemsc. Intake and exhaust service
Oxygen Acetylene Torch Usage	a. Oxygen acetylene torch safetyb. Oxygen acetylene welding and brazing theory and techniquec. Oxygen acetylene welding and brazing
MIG Welding	a. MIG welding safetyb. MIG welding theory and techniquec. MIG welding

NH Motor Vehicle Inspection, P.	re Delivery
Inspection	

- a. NHSI principles
- b. NHSI procedures
- c. PDI procedures

Performance Evaluation:

Formative Assessments	Summative Assessments
 Lab participation grade Classroom participation Quizzes Midterm exam Homework assignments, reading 	 Final exam Lab practical exam

Method of Instruction:

- 1. Lecture and discussion
- 2. Required reading
- 3. Demonstration
- 4. Laboratory work

Instructional Facilities:

Instructional facilities required for this course include:

- 1. A traditional classroom with working audio/visual equipment.
- 2. Lab space including tools and equipment commonly found in an automotive repair facility.

Revision History:

September, 2006 Roland Gies September, 2008 Roland Gies September, 2012 Roland Gies March, 2013 Roland Gies January, 2017 Tim Hogan December 2021 Jason Felton

Will this course be taught online? Outline Form.	Yes	_No	_X_	If yes, please complete the Online Course



Course Title: Automotive Brake Systems				
Course Prefix &	Lecture Hours:	Lab Hours:	Credit Hours:	
No.: AUTO122N	2	4	4	
Department: Tran	sportation			
Program: Automo	tive Technology			
Revision Date: 12	/2021			

Prerequisites/ Co-requisite AUTO113N, AUTO121N

Required Accuplacer Score: N/A

Entrance Skills:

- · Reading, writing and computational skills as well as computer skills
- Proper lifting techniques
- · Proper tool identification and usage, proper measuring tool usage
- · Ability to follow repair instructions both written and verbal
- Ability to use supplied resources for gathering information
- · Proper methods for the disposal of automotive fluids and components
- A valid motor vehicle driver's license is required

Catalog Description

The study of braking systems with an emphasis on the diagnosis and repair of hydraulic systems of disc and drum brakes, the machining of rotors brake drums, brake line fabrication, ABS and stability control. A grade of C or better is required for progression

Prerequisites: AUTO113N, AUTO121N

Course Competencies:

Competency (Knowledge and Skills)	Critical Thinking Level	Linked to Program Outcome(s) #
Students will be able to:		
Develop a working knowledge of automotive brake mechanical and hydraulic systems	Identify, analyze and apply	
2. Develop an understanding of brake friction systems	Apply and employ	
3. Develop an understanding of brake measuring and machining equipment	Recognize and apply	
4. Develop an understanding of brake system hydraulics	Recognize and apply	
5. Develop an understanding of brake test equipment	Recognize and apply	
6. Develop safe work habits and respect for shop equipment and personnel	Recognize and apply	

Course Outline:

Introduction	a. Tools b. Safety
Brake system fundamentals	a. Brake system overviewb. Brake legal and health issuesc. Principals of brake operation
Brake hydraulic system	 a. Brake fluid and lines b. Pedal assemblies and master cylinder c. Hydraulic valves and switches d. Wheel cylinder and caliper hydraulics
Drum and disc brake friction assemblies	a. Drum brakesb. Disc brakesc. Brake drumsd. Brake rotors
Brake subsystems	a. Parking/emergency brakesb. Power brake systemsc. Anti-lock brake systemsd. Brake systems and vehicle suspension

Performance Evaluation:

Formative Assessments	Summative Assessments
 a. Lab participation 	a. Quality of work done in labs
b. Classroom participation	b. Quantity of work done in labs
c. Quizzes	
d. Midterm exam	c. Alternative assignments(essays)
e. Homework	
f. Final exam	

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- a. Lecture/ discussion
- b. Required reading/homework
- c. Lab demonstrations/exercises
- d. Live work
- e. Canvas
- f. Powerpoint

Instructional Facilities: This course requires a traditional classroom with audio/visual equipment as well as shop/lab facilities with several lifts, brake test equipment, brake machining equipment and work benches

Revision History:

4/17/2010 Peter Berger 4/01/2013 Peter Berger 1/5/2017 Tim Hogan December2021 Jason Felton

Will this course be taught online? Yes____No_X__

If yes, please complete the Online Course Outline



Course Title: AUTOMOTIVE ENGINE PERFORMANCE I					
Course Prefix &	Lecture Hours:	Lab Hours:	Credit Hours:		
No.: AUTO185N	2	4	4		
Department: Transportation Technology					
Program: Automotive Technology					
Revision Date: 12/2021					

Prerequisites/ Co-requisites	s:
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AUTO113N, AUTO121N

Required Accuplacer Score:

Entrance Skills:

- Basic skills in written English are required.
- Basic reading skills are required.
- Basic computer skills are required.
- Basic understanding of automotive electricity is required.
- Basic understanding of tools and procedures used to perform automotive repair is required.
- Students are expected to possess a good work ethic and a strong desire to learn
- A valid motor vehicle driver's license is required

Catalog Description:

Theory of operation and diagnosis of the intake and exhaust systems, computerized fuel delivery systems and ignition systems are covered. Testing of these systems with OBDII

interfaces and the use various pressure gauges, lab scopes and multi-meter will be covered in lab.

Course Competencies:

Competency (Knowledge and Skills)	Critical Thinking Level	Linked to Program Outcome(s) #
Students will be able to:		
1. Safety procedures related compression testing	Describe, apply, employ	
2. A working knowledge of ignition and ignition related systems	Describe, apply, employ	
3. To learn to systematically troubleshoot computer control engines	apply, employ, analyze	
4. To understand and test fuel injection systems	apply, employ, analyze	
5. The ability to use the appropriate test equipment.	apply, employ, analyze	
6. To develop safe working habits and respect for equipment and shop management.	Identify, employ	
7. To perform the above tasks according to ASE Education Foundation standards.	apply	

Course Outline:

Content Topic	Subtopics (a., b., etc.)
INTRODUCTION AND SHOP SAFETY	Working around moving parts and high voltage
Gasoline Engine Operation, Parts and Specification	 a. four stroke cycle b. camshaft/crankshaft relationship c. firing order and ignition interval d. engine-ignition synchronization e. compression testing
Intake and Exhaust Systems Forced induction	 a. air box to throttle body b. function of the intake c. function of exhaust and catalytic convertor d. test operation of turbochargers and supercharges e. Vacuum and pressure relationships
Ignition System Components and Operation	 a. Ignition system inspection b. Ignition system components c. Use of scan tool to retrieve diag codes
Ignition System Operation and Service	a. Ignition system timingb. Diagnosing a no-start conditionc. Use of scan tool to retrieve diag codes
Fuel Pumps, Lines, Filters	a. Fuel delivery testing
Fuel injection Components and Operation	a. Fuel injection component identification and testing
Fuel injection System Diagnosis and service	a. Fuel pressure testingb. Fuel injector testing

Direct injection Components and Operation Gasoline and Diesel	a. Direct injection component identificationb. Direct injection component identification

Performance Evaluation: .

Formative Assessments	Summative Assessments
 Lab participation grade Classroom participation Quizzes Midterm exam Homework assignments, reading 	Final exam Lab practical exam

Method of Instruction:

- 1. Lecture and discussion
- 2. Demonstrations
- 3. Lab exercises, task sheets
- 4. Power Point presentations

Instructional Facilities:

Instructional facilities required for this course include:

- 1. A traditional classroom with working audio/visual equipment.
- 2. Lab space including tools and equipment commonly found in an automotive facility dealing with automotive repairs.
 - 3. Several lifts.

Revision History:

October, 2007 Brian Creegan October, 2011 Brian Creegan April, 2013 Brian Creegan January, 2017 Tim Hogan

December 2021 Jason Felton

Will this course be taught online? Yes____No_X__

If yes, please complete the Online Course Outline Form.



Course Title: Automotive Co-Op					
Course Prefix & No.: AUTO190N	Lecture Hours: 0	Lab Hours: 12	Credit Hours: 2		
Department: Transportation					
Program: Automotive Technology					
Revision Date: 12/2012					

Prerequisites/ Co-requisites: AUTO121, AUTO114, and AUTO122, and a

CGPA of 2.0

Required Accuplacer Score: N/A

Entrance Skills: To be eligible for The Automotive Co-Op the student must have successfully completed AUTO121N, AUTO114 and AUTO122. The student will need to acquire a Co-Op position within one of the Automotive Technology Board members. If a student currently has a job at a shop, that shop may apply to participate in the Co-Op course. The Coordinator will complete and interview with that shop and make a decision as to wither or not that are eligible. In addition to completing the required courses, the student must obtain and maintain a 2.0 CGPA for Co-Op eligibility. Good writing skills will be essential, as students will be required to complete a journal to document their Co-Op experience.

Catalog Description:

Automotive Technology Co-Op is designed to place students into a shop environment after successful completion of all first-year courses. Students will be assigned work tasks to reinforce the skills learned in their courses at NCC. These tasks will range from oil and filter services to four-wheel alignments, steering component replacement, brake services and check engine diagnosis under the supervision of a senior technician. Students will complete a minimum of 20 hours per week or 200-hours total in the Co-op. Students must bring their tool kit to the Co-Op location. Grades will come from a combination of performance evaluations, input from the onsite supervisor, and co-op coordinator. Students will be responsible for completing a journal that will document their hours worked, assigned workload, and overall shop experience. This course will be designated as a Pass/Fail course. Periodic Co-Op visits will be performed by the assigned instructor to monitor student progress.

Course Competencies:

Competency (Knowledge and Skills)		Critical Thinking Level	Linked to Program
Stud	ents will be able to:		Outcome(s) #
1.	Successfully execute the roles of an entry level Technician to include task on the provided task list	Employ, Operate, Repeat	
2.	Student will work with a mentor and successfully complete assigned work by shop personnel	Operate,	
3.	Students will be able to utilize online resource as needed to complete automotive repair assignments successfully	Repeat, Employ	
4.	Students will be able to work with other in an automotive shop environment	Relate	

Course Outline: See Attached Evaluation Document

Content Topic:	Subtopics (a., b., etc.)
Work Experience Information and Feedback Form	

Performance Evaluation:			
Formative Assessments	Summative Assessments		
In Semester Journal Entries Evaluations Shop visits	 End of semester interview with direct supervisor Documentation of hours worked Journal completion 		
Method of Instruction: Live working shop experience			
Instructional Facilities: Automotive advisory board member shop. Other shops are encouraged to apply for consideration			
Revision History: Tim Hogan 9/2019, Jason Felton 12/2021			

Will this course be taught online? Yes____No_X_

If yes, please complete the Online Course Outline Form.



Work Experience Information and Feedback Form

Student Name Dealership Name Service Manager Name The student has the following schedule for class attendance: End of term date: Start of term date:

Please meet with your student during the first week of work to review this form and discuss the expectations that you have for this period. Include any incentives that may be reward for meeting those expectations.

This form will help you select work assignment for your Automotive Technology student and provide you an opportunity to evaluate the student's performance.

There are four parts to this work experience:

General information—This part explains the form and asks for identification data and general information
Skill Appraisal— This part lists the subjects and tasks that the student has covered in the last term. To reinforce the student's learning, we ask that no less than 30 percent to 50 percent of all tasks assigned be related to these areas.

Performance Appraisal—This part provides you with an opportunity to evaluate the student's work habits.

Sign-off Verification—This part asks for the signature of those involved with the evaluation of the Automotive student's performance, including the student, service manager and any other interested dealership persons.

Part 2—Skill Appraisal

Skill Area

This tells you what skill area or course work the student has completed this term.

Tasks

This tells you what tasks the student is prepared to perform after this term's studies.

Log

Complete this at the end of the work experience term. Indicate yes if the student has recorded completing this task.

Evaluation

Complete this at the end of the work experience term. Rate the student's performance based upon dealership/industry performance standards. For each task listed, indicate the level of achievement.

- 1= Student demonstrates understanding but cannot apply the knowledge without supervision
- 2= Student performs this task satisfactorily with minimal supervision
- 3= Student performs this task without supervision

Skill Area	Description of Related Tasks	Logged (Y or N)	1 to 3 Scale Evaluations
-			
-			
+			

What onecess	other types of tasks did the Automotive Technology student perform satisfactorily? (Use another piece of sary.)	f paper if
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Part 3—Work Habit Traits

Evaluation

Complete this at the end of the work term. Rate the student's performance based upon dealership/industry performance standards. For each trait, indicate the level of evaluation.

- 1= Student performs below expectations
- 2= Student performs satisfactorily with periodic supervision
- 3= Student demonstrates outstanding performance

Work Habit or Trait	Description	1 to 3 Scale Evaluations
Job knowledge	Overall knowledge or understanding of all aspects pertinent to the job (Materials equipment, techniques, product knowledge, etc).	
Quality of work	Accuracy, thoroughness, and neatness	
Quantity of work	Number of tasks performed during work period meets expectations	
Dependability	Punctuality and attendance, reliability in carrying out work assignments, amount of supervision required and conscientiousness.	
Behavior	Enthusiasm for job, level of cooperation with associates, supervision, etc. Receptivity to changes and new duties. Resourcefulness and versatility.	
Safety	Uses general shop safety practices	

Part 4—Sign Off Verification

Print Name _____ Title _____