

2/22/2022

DATE

☒ REQUIRED COURSE  
☐ ELECTIVE COURSE

TEC DIVISION  
☒ NEW COURSE  
☐ REVISION

# Lake Land College

## Course Information Form

COURSE NUMBER:	AUT-041		TITLE: (30 Characters Max)		Basic Auto I						
SEM CR HRS:	3	Lecture:	2		Lab:	2			ECH:	4	
Course Level:	<input type="checkbox"/> Gen Ed/IAI <input type="checkbox"/> Baccalaureate/Non-IAI		<input checked="" type="checkbox"/> Career/Technical <input type="checkbox"/> Dev Ed/Not in Degree Audit		Clinical Practicum:	0	Work-based Learning:	0	WBL ECH:	0	
COURSE PCS #	12 - 47.0604		IAI Code		N/A		Contact Hours (Minutes/Week)				
Repeatable (Y/N):	N	Pass/Fail (Y/N):	N	Variable Credit (Y/N):	N	Min:	Max:	16 Wks	200	8 Wks	400
Prerequisites:	None										
Corequisites:	None										
Catalog Description: (40 Word Limit)	An introduction to the automotive service industry. It will cover basic vehicle functions and operations, careers, shop safety, environmental and hazardous materials, tool knowledge, shop operations, vehicle detailing and basic vehicle servicing.										

List the Major Course Segments (Units)	Contact Lecture Hours	Contact Lab Hours	Clinical Practicum	Work-based Learning
Basic vehicle functions and operations	1.5	2		
Careers involving automotive	1			
Shop safety, environmental and hazardous materials	4	3		
SP2 Training and refrigerant training by ASE	11			
Tool knowledge and usage	3	5		
Service manual and repair order usage	1	4		
Basic vehicle detailing	5	5		
Shop maintenance and other skills	1	1		
Lifting vehicles using lifts and jacks	1	2		
Basic vehicle services	3.5	10		
<b>TOTAL</b>	<b>32</b>	<b>32</b>	<b>0</b>	<b>0</b>

### EVALUATION

QUIZZES	<input checked="" type="checkbox"/>	EXAMS	<input checked="" type="checkbox"/>	ORAL PRES	<input type="checkbox"/>	PAPERS	<input type="checkbox"/>
LAB WORK	<input checked="" type="checkbox"/>	PROJECTS	<input type="checkbox"/>	COMP FINAL	<input checked="" type="checkbox"/>	OTHER	<input type="checkbox"/>

### COURSE MATERIALS

TITLE:	Introduction to Automotive Service
AUTHOR:	Halderman
PUBLISHER:	Pearson
VOLUME/EDITION/URL:	6th edition
COPYRIGHT DATE:	2020

MAJOR COURSE SEGMENT	HOURS	LEARNING OUTCOMES
		<i>The student will be able to:</i>
Basic vehicle functions and operations	3.5	1. Explain the basic operations and functions of gasoline, diesel and hybrid electric vehicles.
Careers involving automotive	1	1. Compare what careers are available in the automotive industry.
Shop safety, environmental and hazardous materials	7	1. Demonstrate shop safety and why it is important.
SP2 Training and refrigerant training by ASE	11	1. Complete SP2 online training program for safety, the environment and hazardous materials certificates. 2. Complete the ASE Refrigerant, Recovery, and Recycling Program training certificate.
Tool knowledge and usage	8	1. Identify and use automotive related tools, fasteners and basic equipment properly and safely.
Service manual and repair order usage	5	1. Demonstrate basic functions of the online service manuals in a shop 2. Understand the repair order for work and how it needs to be filled out and VIN decoding.
Basic vehicle detailing	10	1. Complete basic exterior cleaning and basic interior cleaning of vehicles.
Shop maintenance and other skills	2	1. Apply cleaning skills of the shop area, including sweeping, mopping and trash removal.

Lifting vehicles using lifts and jacks	3	1. Raise and lower vehicles safely using lifts and jacks.
Basic vehicle services	13.5	1. Change the oil and oil filter 2. Lubricate the chassis of a vehicle. 3. Check fluids and tire pressure. 4. Test antifreeze.
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Outcomes*		At the successful completion of this course, students will be able to:
Course Outcome	Complete SP2 Automotive Service Safety certification.	
Course Outcome	Complete SP2 Automotive Service Pollution Prevention certification.	
Course Outcome	Complete ASE Refrigerant, Recovery, and Recycling Program certification.	
Course Outcome	Demonstrate basic vehicle services, using the proper tools.	
Primary Laker Learning Competency	Information & Technology Literacy: Students not only identify when information is necessary, but they also find, evaluate and use that information effectively with the appropriate technological tools.	
Secondary Laker Learning Competency	Creative Thinking & Problem Solving: Students think creatively and solve problems by successfully combining knowledge in new ways.	

\*Course and program outcomes will be used in the software for outcomes assessment and should include at least 1 primary and 1 secondary Laker Learning Competency. Limit to 3-5.