

**Advisory Committee Fall 2018 Annual Meeting
Automotive**

Vernon College – Monday October 15, 2018 Vernon Campus, 6:00 PM

Blake Powell – Chair
John Cantwell – Vice Chair
Delinda Duncan – Recorder

Members Present:

Delinda Duncan – Napa Auto Parts
Blake Powell – Firestone Complete Auto
Care
John Cantwell – Wichita Falls Ford
Randi Sudol – Patterson Auto Group
Larry Krugel – WFISD
Matt Lindeman – Windthorst Tire

Facility and Staff Present:

Chelsey Henry
Shana Drury
Roger Blackmon

Members Absent:

Jeff Taylor – Wichita Falls Ford Lincoln
Fred Smith – Nitrous Express
Laszlo Papp – German Auto Kraft II

Blake Powell discussed the new business:

Program Outcomes:

Discussion and review took place among committee members regarding the program outcomes listed below.

1. Apply basic knowledge of automotive electrical systems to identify issues, analyze potential solutions, and perform routine maintenance and/or required repairs according to manufacturer specifications and protocol.
2. Identify issues associated with common automotive brake systems (drum and disc), and replace/repair system components according to manufacturer specifications and protocol.
3. Diagnose common automotive suspension and steering system issues and perform routine maintenance and/or implement repairs according to manufacturer specifications and protocol.
4. Apply fundamental knowledge of automotive engine operation to diagnose internal and external engine problems and perform basic engine maintenance and repairs according to manufacturer specifications and protocol.
5. Diagnose problems associated with automotive heating and air conditioning systems (both manual and electronic) and perform routine maintenance and repairs according to manufacturer specifications and protocol.

6. Assess drivability using current engine performance diagnostic equipment and perform routine maintenance and repairs to ensure safe and efficient operation of automobiles.

*After discussion, Blake Powell asked for a motion to approve program outcomes.
John Cantwell made motion to approve program outcomes as presented.
Larry Krugel seconded the motion.*

The motion to approve program outcomes passed.

Assessment Methods:

Blake Powell asked that assessment methods and results be discussed and asked Mr. Blackburn to elaborate.

Course outcomes are evaluated through quizzes and hands on demonstration of skills during lab scenarios.

The Automotive program does not require licensure for program completers as ASE certification is a voluntary program and not required by the industry

My current assessment is in the form of course completion. My program outcomes were created to conform to the 6 core classes of the automotive program. While taking each of the courses, a student is required to be proficient in complete different tasks related to the course. It is a pass/fail situation. The student will repeat the task at hand until they can complete it without assistance.

*Blake Powell asked for a motion to approve assessment methods and results.
Matt Lindeman made motion to approve assessment methods and results as presented.
John Cantwell seconded the motion.*

The motion to approve assessment methods and results passed.

Workplace Competency:

Workplace competencies were discussed in detail as the table reflects below.

For AY 2017-2018 the capstone was AUMT 2417. For 2017-2018 11 students attempted the course. 11 students successfully completed the course outcomes.

For AY 2018-2019 the capstone will be AUMT 1312 for the Level 1 certificate.

For AY 2018-2019 the capstone will be AUMT 2328 for the A.A.S. degree.

After discussion, Blake Powel asked for a motion to approve workplace competency. Matt Lindeman made motion to approve workplace competency as presented. Larry Krugel second the motion.

The motion to approve workplace competency as presented passed.

Review Program Curriculum:

Automotive Technology, A.A.S.

CIP 47.0604

Instructional Location - Vernon Campus

ASSOCIATE IN APPLIED SCIENCE DEGREE (Probable Completion Time - 2 years)

General Education Requirements (15 SH)

ENGL 1301	Composition I	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
MATH 1314	College Algebra	3
	or	
MATH 1332	Contemporary Mathematics	3
SPCH 1315	Public Speaking	3
SFF>	Language, Philosophy, and Culture or Creative Arts Elective	3

Related Requirements (6 SH)

BUSI 1301	Business Principles	3
COSC 1301	Introduction to Computing	3
	or	
ITSC 1301	Introduction to Computers (A)	3
	or	
BCIS 1305	Business Computer Applications	3

Major Requirements (39 SH)

AUMT 1267	Practicum (or Field Experience) - Automobile/Automotive Mechanics Technology/Technician	2
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AUMT 1312	Basic Automotive Service	3
AUMT 1407	Automotive Electrical Systems	4
AUMT 1410	Automotive Brake Systems (A)	4
AUMT 1416	Automotive Suspension and Steering Systems (A)	4
AUMT 1419	Automotive Engine Repair	4
AUMT 1445	Automotive Climate Control Systems	4
AUMT 2310	Automotive Service Consultant	3
AUMT 2328	Automotive Service	3
AUMT 2417	Automotive Engine Performance Analysis I	4
TBA*	Approved Elective	4
	Total Credit Hours:	60

> To be selected from the following: **ARTS 1301, DRAM 1310, DRAM 2366, ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333, HIST 2311, HIST 2312, MUSI 1306**

* Approved elective to be selected from the following courses: **AUMT 1201(A), AUMT 1472, BMGT 1327(A), BUSI 2304, MCHN 1320, WLDG 1428 (A), WLDG 1430**

(A) Course included on the State's Advanced Technical Credit list. (See **Advanced Technical Credit.**)

Verification of Workplace Competencies: Capstone Experience –

AUMT 2328	Automotive Service	3
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Automotive Technology, Level 1 Certificate

CIP 47.0604

Level 1 Certificate

Instructional Location - Vernon Campus

Automotive Technology Certificate

CERTIFICATE OF COMPLETION (Probable Completion Time – 9 months or 32 weeks)

Major Requirements (30 SH)

Fall Block

AUMT 1407	Automotive Electrical Systems	4
AUMT 1410	Automotive Brake Systems (A)	4
AUMT 1416	Automotive Suspension and Steering Systems (A)	4

AUMT 1419	Automotive Engine Repair	4
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Spring Block

AUMT 1312	Basic Automotive Service	3
AUMT 1445	Automotive Climate Control Systems	4
AUMT 2310	Automotive Service Consultant	3
AUMT 2417	Automotive Engine Performance Analysis I	4
	Total Credit Hours:	30

(A) Course included on the State's Advanced Technical Credit list. (See **Advanced Technical Credit.**)

Verification of Workplace Competencies: Capstone Experience –

AUMT 1312	Basic Automotive Service	3
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Automotive Technology Occupational Skills Award (12 Semester Hours):

AUMT 1407	Automotive Electrical Systems	4
AUMT 1410	Automotive Brake Systems (A)	4
AUMT 1419	Automotive Engine Repair	4

AUMT 1267 Practicum-(or Field Experience)-Automobile/ Automotive Mechanics Technology/Technician - Prerequisites: Eight semester hours of major requirements and consent of instructor. Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

AUMT 1312 Basic Automotive Service - Basic automotive service. Includes compliance with safety and hazardous material handling procedures and maintenance of shop equipment.

AUMT 1407 Automotive Electrical Systems - An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, and repair of, charging and starting systems, and electrical accessories. Emphasis on electrical principles schematic diagrams, and service publications. May be taught manufacturer specific.

AUMT 1410 Automotive Brake Systems - Operation and repair of drum/disc type brake systems. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems, and parking brakes. May be taught manufacturer specific.

AUMT 1416 Automotive Suspension and Steering Systems - Diagnosis and repair of automotive suspension and steering systems including electronically controlled systems. Includes component repair, alignment procedures and tire and wheel service. May be taught manufacturer specific.

AUMT 1419 Automotive Engine Repair - Fundamentals of engine operation, diagnosis and repair. Emphasis on identification, inspection, measurements, disassembly, repair, and reassembly of the

engine. May be taught manufacturer specific.

AUMT 1445 Automotive Climate Control Systems - Diagnosis and repair of manual/electronic climate control systems; includes the refrigeration cycle and EPA guidelines for refrigerant handling. May be taught manufacturer specific.

AUMT 2310 Automotive Service Consultant - Automotive service consulting skills and procedures. Includes vehicle identification, product knowledge, shop operations, warranty service contracts, communications, customer relations, internal relations, and sales skills. Emphasizes courtesy, professionalism, and communications.

AUMT 2328 Automotive Service - Prerequisite: AUMT 1312. Mastery of automotive service including competencies covered in related courses. May be taught manufacturer specific.

AUMT 2417 Engine Performance Analysis I - Prerequisite: AUMT 1407. Theory, operation, diagnosis of drivability concerns, and repair ignition, and fuel delivery systems. Use of current engine performance diagnostic equipment. May be taught manufacturer specific.

Review of Matrices:

Blake Powell led the discussion on Review Secretary's Commission on Achieving Necessary Skills (SCANS), General Education, Program Outcomes Matrices, and Institutional Outcomes Matrices and asks the faculty to expand on them.

Roger Blackmon explains the matrices below.

Program: Automotive Technology									Credential: Associate in Applied Science (AAS) Degree
Award: Automotive Technology Associate in Applied Science Degree									
Cip: 47.0604									
LIST OF ALL COURSES REQUIRED AND IDENTIFIED COMPETENCIES									
SCANS COMPETENCIES								Course Number	Course Title
1	2	3	4	5	6	7	8		
								COSC 1301 or ITSC 1301 or BCIS 1305	Introduction to Computing/Introduction to Computers/Business Computer Applications
X	X	X	X	X	X	X	X	AUMT 1267	Practicum (or Field Experience)- Automobile/Automotive Mechanics Technology/Technician
X	X	X	X	X	X	X	X	AUMT 1312	Basic Automotive Service
X		X		X	X	X	X	AUMT 1407	Automotive Electrical Systems
X		X	X	X	X	X	X	AUMT 1410	Automotive Brake Systems
X		X	X	X	X	X	X	AUMT 1416	Automotive Suspension and Steering Systems
X		X	X	X	X	X	X	AUMT 1419	Automotive Engine Repair
X		X	X	X	X	X	X	AUMT 1445	Automotive Climate Control Systems
X	X	X	X	X	X	X	X	AUMT 2310	Automotive Service Consultant
X	X	X	X	X	X	X	X	AUMT 2328	Automotive Service
X		X	X	X	X	X	X	AUMT 2417	Automotive Engine Performance Analysis I
X	X	X	X	X	X	X	X	AUMT1472	High Performance Modification: Theory and Execution
PROGRAM COMPETENCIES (as determined by advisory committee)									
8. BASIC USE OF COMPUTERS									
7. WORKPLACE COMPETENCIES									
6. PERSONAL QUALITIES									
5. THINKING SKILLS									
4. SPEAKING AND LISTENING									
3. ARITHMETIC OR MATHEMATICS									
2. WRITING									
1. READING									

Program: Automotive Technology						Credential: Associate in Applied Science (AAS) Degree	
Award: Automotive Technology Associate in Applied Science Degree							
Cip: 47.0604							
LIST OF ALL COURSES REQUIRED AND IDENTIFIED CORE OBJECTIVES							
GENERAL EDUCATION CORE OBJECTIVES						Course Number	Course Title
1	2	3	4	5	6		
X	X		X		X	ENGL 1301	Composition I
X	X			X	X	GOVT 2305	Federal Government (Federal Constitution and Topics)
X	X	X				MATH 1314 or MATH 1332	College Algebra/Contemporary Math I
X	X		X		X	SPCH 1315	Public Speaking
						BUSI 1301	Business Principles
X	X	X	X	X	X	AUMT 1267	Practicum (or Field Experience)- Automobile/Automotive Mechanics Technology/Technician
X	X		X	X	X	AUMT 1312	Basic Automotive Service
X	X	X	X		X	AUMT 1407	Automotive Electrical Systems
X	X	X	X		X	AUMT 1410	Automotive Brake Systems
X	X	X	X		X	AUMT 1416	Automotive Suspension and Steering Systems
X	X	X	X		X	AUMT 1419	Automotive Engine Repair
X	X	X	X	X	X	AUMT 1445	Automotive Climate Control Systems
X	X	X	X	X	X	AUMT 2310	Automotive Service Consultant
X	X	X	X	X	X	AUMT 2328	Automotive Service
X	X	X	X		X	AUMT 2417	Automotive Engine Performance Analysis I
X	X	X			X	Either AUMT 1472 or	High Performance Modifications: Theory and Execution
X	X	X	X	X		BMGT 1327 or	Principals of Management
						BUSI 2304	Business Report Writing and Correspondence
X		X	X		X	MCHN 1320 or	Precision Tools and Measurements
X	X	X		X	X	WLDG 1428 or	Introduction to Shielded Metal Arc (SMAW)
X	X	X		X	X	WLDG 1430	Introduction to Gas Metal ARC Welding (GMAW)
						6. Personal Responsibility	
						5. Social Responsibility	
						4. Teamwork	
						3. Empirical and Quantitative Skills	
						2. Communication Skills	
						1. Critical Thinking Skills	

Program: Automotive Technology							Credential: Associate in Applied Science (AAS) Degree
Award: Automotive Technology Associate in Applied Science Degree							
Cip: 47.0604							
LIST OF ALL COURSES REQUIRED AND							
OUTCOMES							
OUTCOMES						Course Number	Course Title
1	2	3	4	5	6		
X	X	X	X	X		AUMT 1267	Practicum (or Field Experience)- Automobile/Automotive Mechanics Technology/Technician
X	X	X	X	X	X	AUMT 1312	Basic Automotive Service
X					X	AUMT 1407	Automotive Electrical Systems
X	X					AUMT 1410	Automotive Brake Systems
X		X				AUMT 1416	Automotive Suspension and Steering Systems
			X		X	AUMT 1419	Automotive Engine Repair
X				X		AUMT 1445	Automotive Climate Control Systems
						AUMT 2310	Automotive Service Consultant
X	X	X	X	X	X	AUMT 2328	Automotive Service
X			X		X	AUMT 2417	Automotive Engine Performance Analysis I
							TBA Approved Electives Either /or
X	X	X	X		X	Either AUMT 1472 or	High Performance Modifications: Theory and Execution
						6. Assess drivability using current engine performance diagnostic equipment and perform routine maintenance and repairs to ensure safe and efficient operation of automobiles.	
						5. Diagnose problems associated with automotive heating and air conditioning systems (both manual and electronic) and perform routine maintenance and repairs according to manufacturer specifications and protocol.	
						4. Apply fundamental knowledge of automotive engine operation to diagnose internal and external engine problems and perform basic engine maintenance and repairs according to manufacturer specifications and protocol.	
						3. Diagnose common automotive suspension and steering system issues and perform routine maintenance and/or implement repairs according to manufacturer specifications and protocol.	
						2. Identify issues associated with common automotive brake systems (drum and disc), and replace/repair system components according to manufacturer specifications and protocol.	
						1. Apply basic knowledge of automotive electrical systems to identify issues, analyze potential solutions, and perform routine maintenance and/or required repairs according to manufacturer specifications and protocol.	

Program: Automotive Technology						Credential: Associate in Applied Science (AAS) Degree
Award: Automotive Technology Associate in Applied Science Degree						
Cip: 47.0604						
LIST OF ALL COURSES REQUIRED AND						
OUTCOMES						
OUTCOMES						Course Title
1	2	3	4	5	6	
X	X	X	X	X	X	1. Critical Thinking Skills
X	X	X	X	X	X	2. Communication Skills
X	X		X	X	X	3. Empirical and Quantitative Skills
X	X	X	X	X	X	4. Teamwork
X	X	X	X	X	X	5. Social Responsibility
X	X	X	X	X	X	6. Personal Responsibility
						6. Assess drivability using current engine performance diagnostic equipment and perform routine maintenance and repairs to ensure safe and efficient operation of automobiles.
						5. Diagnose problems associated with automotive heating and air conditioning systems (both manual and electronic) and perform routine maintenance and repairs according to manufacturer specifications and protocol.
						4. Apply fundamental knowledge of automotive engine operation to diagnose internal and external engine problems and perform basic engine maintenance and repairs according to manufacturer specifications and protocol.
						3. Diagnose common automotive suspension and steering system issues and perform routine maintenance and/or implement repairs according to manufacturer specifications and protocol.
						2. Identify issues associated with common automotive brake systems (drum and disc), and replace/repair system components according to manufacturer specifications and protocol.
						1. Apply basic knowledge of automotive electrical systems to identify issues, analyze potential solutions, and perform routine maintenance and/or required repairs according to manufacturer specifications and protocol.

Blake Powell asked for a motion to approve matrices.

Matt Lindeman made motion to approve matrices as presented.

John Cantwell seconded the motion.

The motion to approve matrices as presented passed.

Program Statistics:

Blake Powell proceeded into discussing Program statistics

- Program Statistics:
 - Graduates 2017-2018: 11 Graduates
 - Enrollment Summer 2018: 2 Practicum Students
 - Majors Fall 2018-2019: 12 Automotive majors
 - Enrollment Fall 2018: 53

Local Demand:

The Chair, Blake Powell, opened the floor to talk about the Local Demand for the program.

Randi Studol stated her employer Patterson Auto recently had a meeting about hiring past students. Matt Lindeman likes that students can job shadow and needs about five new employees. Delinda Duncan needs extra employees in the parts department at Napa Auto Parts.

Evaluation of facilities/equipment:

Blake opened up discussion on evaluation of facilities, equipment, and technology. Recommendation for acquisition of new equipment and technology.

- Replacement of Fluke 88 multimeters.
- Addition of Identifix to or database of service information.

Committee stated it would be nice to have another lift at the facility.

External learning experiences:

Blake moved discussion to external learning experiences, employment, and placement opportunities

Placement Rate of Program Completers by Reporting Year [1]			
Program	2013-2016 3-Year Average		
	Plc	Cmp	%
47060000-Vehicle Maintenance and Repair Technologies	10	12	83.33%

Professional development of faculty:

The Chair moves to professional development of faculty and recommendations:

Will be attending SEMA conference at the end of October. Scheduled to attend multiple mini sessions per day led by industry experts. Topics will include upcoming technology in the vehicles as well as new equipment that will be needed to service the next generation of vehicles. I will also be attending workshops concerning how to reach and motivate the current generation of automotive enthusiasts.

Promotion of Program:

Blake proceeds to promotion and publicity (recruiting) about the program to the community and to business and industry.

- Individual tours
- Sophomore Roundup
- Facebook
- Preview Day in Vernon
- Program spotlight open house
- Vernon College’s Marque
- Marketing video
- Early College Start Coordinator Melissa Moore mentions in instructions at high schools
- Recruiting Coordinator, Rachel White, mentions during recruitment events
- Include females on Advisory committee
- Utilize former female students in recruiting events when possible

Serving students from special populations:

Blake would like to discuss serving students from special populations.

1. individuals with disabilities;
2. individuals from economically disadvantaged families, including foster children;
3. individuals preparing for non-traditional fields;
 1 Female in program
4. single parents, including single pregnant women;
5. displaced homemakers; and
6. individuals with limited English proficiency

Adjourn
The meeting is adjourned at 7:07PM.

Recorder Signature: 	Date: 1-29-19	Next Meeting: Fall 2019
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