**PROGRAM CHANGES**

 WEBER STATE UNIVERSITY

**Submission Date: November 16, 2013**

**Submitter Name: John D. Kelly**

**College: COAST**

**Department**: Automotive Technology

**Program Title:** Associate of Applied Science Degree in Automotive Service Technology

Check all that apply:

\_\_X\_\_New course(s) required for major, minor, emphasis, or concentration.

\_\_X\_\_Modified course(s) required for major, minor, emphasis, or concentration.

\_\_X\_\_Credit hour change(s) required for major, minor, emphasis, or concentration.

\_\_X\_\_Credit hour change(s) for a course which is required for the major, minor, emphasis, or concentration.

\_\_\_\_Attribute change(s) for any course.

\_\_\_\_Program name change.

\_\_\_\_Deletion of required course(s).

\_\_\_\_Program mode of delivery/format change (Graduate Programs ONLY)

\_\_\_\_Other changes (specify) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**JUSTIFICATION:**

There are three main reasons we are requesting the program changes:

**1. Changes in Laws and Regulations:**

Recently enacted U.S. government regulatory changes have forced some major changes in the automotive industry and have increased the complexity of automobiles and trucks. A few examples are:

1. The U.S. Environmental Protection Agency (EPA) mandated a reduction of automobile exhaust emissions, particularly Carbon Dioxide (CO2), Oxides of Nitrogen (NOx), and particulate matter (PM). By 2014 truck exhaust emissions must be as clean as cars.
2. The National Highway Traffic Safety Administration’s (NHTSA) Federal Motor Vehicle Safety Standards (FMVSS) require changes to make cars safer, particularly alternate fueled vehicles, hybrid-electric vehicles and electric vehicles.
3. The National Highway Traffic Safety Administration (NHTSA) has set the Corporate Average Fuel Economy (CAFE) regulations to require increases in the average fuel economy of cars from 35.4 mpg in 2016 to 54.5 mpg in 2025. Truck fuel economy must also increase in the same timeframe.

The technological changes required to meet these new regulations is constantly changing. A new car today can contain dozens of on-board computers. These vehicles require service technicians who can accurately service, diagnose and repair them. The automotive program at WSU is nationally recognized and has partnerships with Chrysler, Ford, General Motors, Honda, Hyundai, and Toyota. These partnerships help provide quality service technicians to meet their dealership needs as well as the needs of the large independent shop industry.

**2. Changes in Accreditation Requirements:**

As a result of the regulatory changes mentioned above, our department's accreditation agency, the National Automotive Technicians Education Foundation (NATEF) had to make changes in their accreditation requirements for all schools in the U.S.A. The new NATEF requirements require a change in the number of, and the type of, technical tasks our students must master. The new NATEF requirements also require an increase in the number of hours (from 1080 to 1200) needed to teach the technical tasks in our program.

The increase in NATEF required class hours has led to a need to increase the number of credit hours for a few of our courses. The purpose of the 6 course change proposals and the 4 new course proposals is to increase the credit hours to meet the NATEF 1200-hour accreditation requirement.

**3. Changes in Automotive Concurrent Enrollment Classes**

Much of the training and education of automotive service technicians in northern Utah begins in Davis and Weber county high school automotive concurrent enrollment programs and then continues at Weber State University. Currently, the high school automotive programs are offering concurrent enrollment classes under the previous NATEF requirements. The high schools are unable to offer the concurrent enrollment classes under the new NATEF requirements because they do not have enough time in their classes. We want to keep our concurrent enrollment classes alive because they are great feeders of students for our automotive program.

Our solution to the problem is to take the four concurrent enrollment automotive classes which are 3 credit hours each, add 1 credit to each one, and then split each class into two-parts with 2 credits each. The high schools can teach the Part 1 course under the existing class number and we will teach the Part 2 course under a new class number. We will also offer the Part 1 course for non-concurrent enrollment students. These changes will lighten the teaching load of the high school teacher and help us meet the new NATEF requirements at the same time.

*Copy the present program from the current catalog and add the required changes (exactly as you wish them to appear in the catalog). Use strikeout (~~strikeout~~) when deleting items in the program and highlight (highlight) when adding items. If multiple changes are being proposed, please provide a summary*.

**Proposed Catalog Changes for 2014-2015 (See summary page for explanation of changes)**

**Automotive Service Technology (AAS)**

* Program Prerequisite: An interview with the program coordinator or advisor in the desired track is necessary prior to acceptance into the program.
* Grade Requirements: Minimum grade of “C ” in courses required for this major in addition to an overall GPA of 2.00 or higher.
* Credit Hour Requirements: A total of ~~63-66~~ 63-67 credit hours is required ~~except for the Heavy Duty Truck track which requires a total of 68 credit hours.~~
* Assessment Requirements: Students will be required to complete certain assessment instruments as part of the overall requirements for receiving their associate’s degree. Please see the program coordinator or your advisor or your department for specific information regarding assessment.

**Advisement**

Automotive Service students should meet each semester with the program coordinator or faculty advisor for their specific track for advisement. Call 801-626-6579 for more information or to schedule an appointment. (Also refer to the Department Advisor Referral List.)

**Admission** **Requirements**

Declare your program of study (see Enrollment Services and Information) and meet with your specific program coordinator or faculty advisor.

**National Institute for Automotive Service Excellence (ASE) Certification Requirement**

Automotive Service students are required to take all eight automotive ASE exams. See www.asecert.org for testing information. ASE exam fees are included in the student fees for each course. Exams will be taken twice per year at the end of each semester. Only Collision Repair and Heavy Duty Truck Technology students will be exempt from this requirement.

**General Education**

Refer to Degree and General Education Requirements for Associate of Applied Science requirements. The following support courses required for this degree will also be applied toward general education requirements: CHEM 1010 (3) or CHEM 1110 (5), COMM 2110 (3), NTM 1700, ~~NTM 1504 or LIBS 1704,~~ ~~and~~ a Social Science general education course (3), and a Humanities general education course (but not a second COMM course) (3).

**Major Course Requirements for AAS Degree**

**~~Automotive Service Courses Required for All Tracks except Collision Repair (6 credit hours)~~**

* ~~AUSV 1000 - Introduction to Automotive Service Credits: (3)~~
* ~~AUSV 1300 - Technical Mathematics Credits: (3) or~~
* ~~MATH 1030 QL - Contemporary Mathematics Credits: (3) \*~~

**Support Courses Required for All Tracks (~~19~~ 24 credit hours)**

* CHEM 1010 PS - Introductory Chemistry Credits: (3) or
* CHEM 1110 PS - Elementary Chemistry Credits: (5)
* COMM 2110 HU - Interpersonal & Small Group Communication Credits: (3)
* ENGL 1010 EN - Introductory College Writing Credits: (3)
* NTM 1700 TE - Introduction to Microcomputer Applications Credits: (3)

~~and~~

* ~~NTM 1504 TD - Information Literacy Competency Exam Credits: (.5) or~~
* ~~LIBS 1704 TD - Information Navigator Credits: (1) or equivalent exams - see Computer Literacy as defined in this catalog~~
* AUSV 1300 - Technical Mathematics Credits: (3) or
* MATH 1010 – Intermediate Algebra Credits: (4) or higher
* SST 3203 - Customer Service Techniques Credits: (3)
* Social Science General Education Course (3)
* Humanities General Education Course (Not Communication) (3)
* ~~Elective Course (3 credit hours)~~

~~Choose one of the following~~

* ~~BSAD 3000 - Small Business Management Credits: (3)~~
* ~~SST 3363 - Contract and Sales Negotiation Techniques Credits: (3)~~
* ~~SST 4203 - Ethical Sales and Service Credits: (3) \*~~

Note:

\* Students wishing to complete a Bachelor of Science (BS) in Automotive Technology after completing their Associate of Applied Science (AAS) degree should consider taking ~~take~~ the courses marked with an asterisk.

Track Requirements

Select one of the following tracks (see the track coordinator for a suggested course sequence):

**Chrysler Cap Track**

Automotive Service Courses Required (~~36~~ 38 credit hours)

* AUSV 1000 – Introduction to Automotive Service, Credits: (3)
* ~~AUSV 1050 - Chrysler Braking, Steering, Suspension and Climate Control Systems Credits: (8)~~
* ~~or~~
* AUSV 1051 - Chrysler Braking Systems Credits: (3) ~~and~~
* AUSV 1052 - Chrysler Steering and Suspension Systems Credits: (~~2~~ 3) ~~and~~
* AUSV 2350 - Chrysler Climate Control Systems Credits: (3)
* ~~AUSV 1100 - Principles of Technology I Credits: (2) or~~
* ~~PHYS 1010 PS - Elementary Physics Credits: (3)~~
* AUSV 1250 - Chrysler Manual Drivetrain Systems Credits: (3)
* ~~AUSV 1355 - Chrysler Electronics, Electrical and Body Control Systems Credits: (7)~~
* AUSV 1350 - Chrysler Electronics, Electrical Systems Credits: (4)
* AUSV 2150 - Chrysler Body Control Systems Credits: (3)
* AUSV 2550 - Chrysler Automatic Transmissions Credits: (4)
* ~~AUSV 2655 - Chrysler Engine Mechanical and Engine Control Systems Credits: (6)~~
* ~~or~~
* AUSV 1150 - Chrysler Engines Credits: (3) ~~and~~
* AUSV 2050 - Chrysler Engine Control Systems Credits: (3)
* AUSV 2880 - Cooperative Practicum Credits: (3-8) two sections of 3 credit hours each

**General Motors ASEP Track**

Automotive Service Courses Required (~~36~~ 38 credit hours)

* AUSV 1000 – Introduction to Automotive Service, Credits: (3)
* ~~AUSV 1040 - General Motors Braking, Steering, Suspension and Climate Control Systems Credits: (8)~~
* ~~or~~
* AUSV 1041 - General Motors Braking Systems Credits: (3) ~~and~~
* AUSV 1042 - General Motors Steering and Suspension Systems Credits: (~~2~~ 3) ~~and~~
* AUSV 2340 - General Motors Climate Control Systems Credits: (3)
* ~~AUSV 1100 - Principles of Technology I Credits: (2) or~~
* ~~PHYS 1010 PS - Elementary Physics Credits: (3)~~
* AUSV 1240 - General Motors Manual Drivetrain Systems Credits: (3)
* ~~AUSV 1345 - General Motors Electronics, Electrical and Body Control Systems Credits: (7)~~
* AUSV 1340 - General Motors Electronics, Electrical Systems, Credits: (4)
* AUSV 2140 - General Motors Body Control Systems, Credits: (3)
* AUSV 2540 - General Motors Automatic Transmissions Credits: (4)
* ~~AUSV 2645 - General Motors Engine Mechanical and Engine Control Systems Credits: (6)~~
* ~~or~~
* AUSV 1140 - General Motors Engines Credits: (3) ~~and~~
* AUSV 2040 - General Motors Engine Control Systems Credits: (3)
* AUSV 2880 - Cooperative Practicum Credits: (3-8) two sections of 3 credit hours each

**Collision Repair Track**

Automotive Service Courses Required (42 credit hours)

* AUSV 1001 - Collision Repair Fundamentals and Estimating Credits: (2)
* AUSV 1021 - Automotive Braking Systems Credits: (3)
* AUSV 1022 - Steering and Suspension Systems Credits: (2)
* AUSV 1080 - Non-Structural Analysis and Damage Repair 1 Credits: (4)
* AUSV 1085 - Painting and Refinishing 1 Credits: (4)
* AUSV 1180 - Structural Analysis and Damage Repair 1 Credits: (4)
* AUSV 1320 - Automotive Electronics Credits: (4)
* AUSV 2080 - Painting and Refinishing 2 Credits: (4)
* AUSV 2085 - Non-Structural Analysis and Damage Repair 2 Credits: (4)
* AUSV 2180 - Structural Analysis and Damage Repair 2 Credits: (3) (4 credit hours required)
* AUSV 2480 - Auto Body Business Practices Credits: (2)
* AUSV 2860 - Automotive Shop Practice Credits: (3-8) two sections of 3 credit hours each

**Toyota T-Ten Track**

Automotive Service Courses Required (~~39~~ 42 credit hours)

* AUSV 1000 – Introduction to Automotive Service, Credits: (3)
* AUSV 1061 - Toyota Braking Systems Credits: (3)
* AUSV 1062 - Toyota Steering and Suspension Systems Credits: (3)
* AUSV 1160 - Toyota Engines Credits: (4)
* AUSV 1260 - Toyota Manual Drivetrain Systems Credits: (3)
* AUSV 1360 - Toyota Automotive Electronics Credits: (4)
* AUSV 2060 - Toyota Engine Control Systems Credits: (6)
* AUSV 2160 - Toyota Electrical and Body Control Systems Credits: (3)
* AUSV 2360 - Toyota Climate Control Systems Credits: (3)
* AUSV 2560 - Toyota Automatic Transmissions Credits: (4)
* AUSV 2880 - Cooperative Practicum Credits: (3-8) two sections of 3 credit hours each

**Independent Shop ATEP Track**

Automotive Service Courses Required (~~36~~ 41 credit hours)

* AUSV 1000 – Introduction to Automotive Service, Credits: (3)
* ~~AUSV 1020 - Braking, Steering, Suspension, and Climate Control Systems Credits: (8)~~
* ~~or~~
* ~~AUSV 1021 - Automotive Braking Systems Credits: (3) and~~
* AUSV 1021 - Automotive Braking Systems 1, Credits: (2)
* AUSV 1023 - Automotive Braking Systems 2, Credits: (2)
* ~~AUSV 1022 - Steering and Suspension Systems Credits: (2) and~~
* AUSV 1022 - Steering and Suspension Systems 1, Credits: (2)
* AUSV 1024 - Steering and Suspension Systems 2, Credits: (2)
* AUSV 2320 - Automotive Climate Control Systems Credits: (3)
* ~~AUSV 1100 - Principles of Technology I Credits: (2) or~~
* ~~PHYS 1010 PS - Elementary Physics Credits: (3)~~
* AUSV 1220 - Automotive Manual Drivetrain Systems Credits: (3)
* ~~AUSV 1325 - Automotive Electronics, Electrical and Body Control Systems Credits: (7)~~
* AUSV 1320 Automotive Electronics 1, Credits: (2)
* AUSV 1323 Automotive Electronics 2, Credits: (2)
* AUSV 2520 - Automatic Transmissions Credits: (4)
* ~~AUSV 2625 - Engine Mechanical and Engine Control Systems Credits: (6)~~
* ~~or~~
* ~~AUSV 1120 - Automotive Engines Credits: (3) and~~
* AUSV 1120 - Automotive Engines 1, Credits: (2)
* AUSV 1124 - Automotive Engines 2, Credits: (2)
* AUSV 2020 - Engine Control Systems Credits: (3)
* AUSV 2860 - Automotive Shop Practice Credits: (3-8) two sections of 3 credit hours each

**Heavy Duty Truck Track**

Automotive Service Courses Required (~~38~~ 39 credit hours)

* AUSV 1000 – Introduction to Automotive Service, Credits: (3)
* AUSV 1071 - H D Truck Brakes Credits: (2)
* AUSV 1072 - H D Truck Steering & Suspension Credits: (3)
* ~~AUSV 1100 - Principles of Technology I Credits: (2) or~~
* ~~PHYS 1010 PS - Elementary Physics Credits: (3)~~
* AUSV 1170 - H D Truck Engines Credits: (5)
* AUSV 1270 - H D Truck Drive Mechanisms Credits: (8)
* AUSV 1320 - Automotive Electronics Credits: (4)
* AUSV 2170 - H D Truck Electrical Systems Credits: (3)
* AUSV 2270 - H D Truck Engine Diagnosis Credits: (3)
* AUSV 2370 - H D Truck Air Conditioning Credits: (2)
* AUSV 2860 - Automotive Shop Practice Credits: (3-8) two sections of 3 credit hours each

After the appropriate Approvals, **Email the electronic file (Microsoft Word .docx) to** bstockberger @weber.edu You may scan the Approval Page with the Signatures and email it, send a hard copy to MC 1033 through campus mail or bring to the Faculty Senate Office MA210J. Send all supporting documents pertaining to your proposal.

**INFORMATION PAGE**

Did this program change receive unanimous approval within the Department? \_YES\_\_\_ If not, what are the major concerns raised by the opponents?

Explain any effects this program change will have on program requirements or enrollments in other departments including the Bachelor of Integrated Studies Program. In the case of similar offerings or affected programs, **you should include letters from the departments in question stating their support or opposition to the proposed program**. None, the two courses removed from the list were no longer available or had new prerequisites that prevented our students from taking them.

Indicate the number of credit hoursfor course work within the program. (Do not include credit hours for General Education, Diversity, or other courses unless those courses fulfill requirements within the proposed program.)

38-42 credits

Indicate the number of credit hours for course work within the current program. (Do not include credit hours for General Education, Diversity, or other courses unless those courses fulfill requirements within the current program.) \_\_\_\_38-42 credits

**Graduate Programs only**: Describe any proposed changes in the instructional mode of delivery or course format that are program-wide in nature or that affect more than one-third of the course taught in the program (e. g. changing from in-class to online instruction). APPROVAL PAGE

for: (Program Title) Date submitted online \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For new course proposals, excluding Experimental and Variable Title courses, the following must be completed by the Library bibliographer:

\_\_\_\_ The WSU Library has adequate information resources to support this proposal.

\_\_\_\_ Currently, the WSU Library does not have adequate information resources to support this course. However, if this proposal is approved, a Library bibliographer will work closely with departmental faculty to acquire the information resources needed. Funding for the new resources will come from the library’s budget.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WSU Librarian/Date

**Approval Sequence**:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Department Chair/Date (or BIS Director)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

College Curriculum Committee/Date (Signature not needed on Experimental or Variable Title courses.)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Career and Technical Education Director. (Needed on new or deleted courses required in a 2-year program.)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dean of College/Date

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| --- |
| Courses required in programs leading to secondary undergraduate teacher certification must be approved by the University Council on Teacher Education before being submitted to the Curriculum Committee. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ University Council on Teacher Education/Date  |

|  |
| --- |
| Graduate course proposals must be reviewed by the University Graduate Council before being submitted to the Curriculum Committee. I have read the proposal and discussed it with the program director.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_University Graduate Council Representative/Date |

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Effective Semester\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

University Curriculum Committee/Date

Passed by Faculty Senate \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date