

## **Automotive Technology Program Alignment Executive Summary**

### **Purpose/Goal**

- The National Automotive Technicians Education Foundation (NATEF) has released a new set of standards; therefore, the Kansas Board of Regents (KBOR) is requiring institutions to realign their automotive curriculum. As a part of the alignment project, Barton will develop two new certificate programs including a 24 credit hour certificate targeting high school students and a 44 credit hour certificate.

### **Course Changes**

- Due to re-alignment four classes will have changes:
  1. Steering and Suspension, which is currently a five credit hour course, will be broken into two classes. Steering and Suspension I is a KBOR aligned course and will be three credit hours. The new course Steering and Suspension II will be two credit hours.
  2. The other three courses; Brakes I, Electrical I and Engine Performance I will be updated with the current NATEF tasks.

### **Certificate Changes**

- A new 24 credit hour certificate program will be implemented. This new certificate program will be directed towards high school students. Upon successful completion of the eight courses outlined below, students will be eligible to take the Automotive Service Excellence (ASE) student exam for Maintenance & Light Repair (MLR) certification. The courses included in the new certificate include:
  1. Introduction to Automotive Technology
  2. Brakes I
  3. Steering and Suspension I
  4. Engine Repair I
  5. Electrical I
  6. Electrical II
  7. Engine Performance I
  8. Manual Transmissions
- A new 44 credit hour certificate program will be implemented. Students will be required to successfully complete all courses with the 24 hour certificate before they will be able to pursue coursework in the 44 hour certificate program. Upon successful completion of an additional six courses, students will be eligible to take the ASE student exam for Automobile Service Technician certification. The additional courses are:
  1. Brakes II
  2. Engine Repair II
  3. Automotive Air Conditioning
  4. Engine Performance II
  5. Automatic Transmissions
  6. Steering and Suspension II
- Due to alignment requirements, Barton's current 58 credit hour certificate will be decreased to 52 hours. Service Techniques I and II will no longer be required. Upon successful completion of all coursework, students will be eligible to take the ASE student exam for Master Automobile Service Technician. Students pursuing the 52 credit hour certificate will take the following additional courses :

1. Electrical III
2. Engine Performance III

**Degree Changes:**

- The only impact to Barton's current AAS degree will be shifting the current five credit hour Steering and Suspension into Steering and Suspension I to 3 credit hours and adding a Steering and Suspension II course for 2 credit hours.

**Overall Rationale:**

- By creating a 24 credit hour certificate, area high schools will benefit from students earning an ASE student MLR certification by receiving the \$1,000 credential incentive.
- By creating four separate exit points, each giving the student an industry credential, there is flexibility for student to decide which level of certification they desire.

Respectfully Submitted:

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