

**WCCC Curriculum Committee
Meeting Minutes
November 17, 2020
Teams Meeting**

Members Present: Wayne Smith; Joe Quesenberry, Michael Carsten, Karrie Stanfill, Jason Roberson, Tracie Seurer

Members Absent: Denise McKenney

Ex-officio members present: Morgan Bridge, Aaron Osborne, Christi Hein, Maggie Bodyfelt, Curt Martin, Brigitte Sundermann.

Recording Secretary: Bonnie Aman

Chair Smith called the meeting to order at 3:36 pm.

**I. Curriculum Proposals
(A) Transportation Technology**

Course Addition

1. TSTG 215: Engine Reconditioning

Motion: To approve the course addition of TSTG 215: Engine Reconditioning for Transportation Services. (Carsten/Quesenberry). No Discussion. The committee voted unanimously to approve the course addition for Transportation Services.

Course Deletion

2. TSTA 289: Alternative Fueled Vehicles

Motion: To approve the course deletion of TSTA 289: Alternative Fueled Vehicles for Transportation Services. (Stanfill/Carsten). No Discussion. The committee voted unanimously to approve the course deletion for Transportation Services.

3. TSTD 215: Diesel Engine Reconditioning

4. TSTG 115: Gas Engine Reconditioning

Motion: To approve the course deletion of TSTD 215: Diesel Engine Reconditioning and TSTG 115: Gas Engine Reconditioning for Transportation Services. (Carsten/Stanfill). No Discussion. The committee voted unanimously to approve the course deletion for Transportation Services.

Course Modification

5. TSTA 286: Hybrid and Alternative Fueled Vehicle

Motion: To approve the course modification of TSTA 286: Hybrid and Alternative Fueled Vehicle for Transportation Services. (Quesenberry/Stanfill). No Discussion. The committee voted unanimously to approve the course modification for Transportation Services.

Program Modification

6. Transportation Services: Light Duty Automotive Technician (1106)

Motion: To approve the program modification of Transportation Services: Light Duty Automotive Technician (1106) for Transportation Services. (Carsten/Stanfill). No Discussion. The committee voted unanimously to approve the program modification for Transportation Services.

7. Transportation Services: Automotive Technician (1312)

Motion: To approve the program modification of Transportation Services: Automotive Technician (1312) for Transportation Services. (Stanfill/Carsten). No Discussion. The committee voted unanimously to approve the program modification for Transportation Services.

8. Transportation Services: Diesel Technology (1342)

Motion: To approve the program modification of Transportation Services: Diesel Technology (1342) for Transportation Services. (Stanfill/Quesenberry). No Discussion. The committee voted unanimously to approve the program modification for Transportation Services.

9. Transportation Services: Diesel Mechanics - Technical Certificate (1347)

Motion: To approve the program modification of Transportation Services: Diesel Mechanics (1347) for Transportation Services. (Stanfill/Carsten). No Discussion. The committee voted unanimously to approve the program modification for Transportation Services.

10. Transportation Services: Advanced Automotive Service Technician (1386)

Motion: To approve the program modification of Transportation Services: Advanced Automotive Service Technician for Transportation Services. (Carsten/Stanfill). No Discussion. The committee voted unanimously to approve the program modification for Transportation Services.

Adjournment:

With no objections from the committee, Chair Smith adjourned the meeting at 4:03 pm.

Respectfully submitted by Bonnie L. Aman, November 18, 2020.

Proposal	Committee Action	Members Motion/Second
TSTD 215: Diesel Engine Reconditioning	Approved - Course Inactivation	Carsten/Stanfill

WCCC Discssion: No Discussion

Change Item Description	Department Justification
Course Inactivation	

Justification for this Proposal: 1. TSTD 215 Diesel Engine Reconditioning is taught every Fall semester (Mod class/8 weeks/5 credits). Students disassemble and reassemble program engines pre-mounted on engine stands. They do not learn the necessary skill of removing and replacing the engine back into a vehicle. The engine is also not required to run (start) after reassembly. 2. TSTG 115 Gas Engine Reconditioning is taught every other Spring semester (Mod class/8 weeks/4 credits). Students test a running vehicle, remove the engine, recondition the engine to industry standards, reinstall, and finally retest the running engine. Students often struggle to finish the class in the allotted 8 weeks and have to work in the shop during finals week and occasionally into the next Mod. 3. The Transportation program proposes to combine TSTD 215 and TSTG 115 into a Fall full semester class (TSTG 215). Diesel and Gasoline engines are both four stroke engines and the lecture portion of the class will cover both designs. Current program Diesel engines will be utilized to show students the design differences between the two fuel types. All students will be able to test a running vehicle, remove the engine, recondition the engine to industry standards, reinstall, and finally retest the running engine. Transitioning from modular classes to a full semester class will help to ensure the student is receiving adequate time to learn the course objectives.

Proposal	Committee Action	Members Motion/Second
TSTG 115: Gas Engine Reconditioning	Approved - Course Inactivation	Carsten/Stanfill

WCCC Discssion: No Discussion

Change Item Description	Department Justification

Course Inactivation

1. TSTD 215 Diesel Engine Reconditioning is taught every Fall semester (Mod class/8 weeks/5 credits). Students disassemble and reassemble program engines pre-mounted on engine stands. They do not learn the necessary skill of removing and replacing the engine back into a vehicle. The engine is also not required to run (start) after reassembly. 2. TSTG 115 Gas Engine Reconditioning is taught every other Spring semester (Mod class/8 weeks/4 credits). Students test a running vehicle, remove the engine, recondition the engine to industry standards, reinstall, and finally retest the running engine. Students often struggle to finish the class in the allotted 8 weeks and have to work in the shop during finals week and occasionally into the next Mod. 3. The Transportation program proposes to combine TSTD 215 and TSTG 115 into a Fall full semester class (TSTG 215). Diesel and Gasoline engines are both four stroke engines and the lecture portion of the class will cover both designs. Current program Diesel engines will be utilized to show students the design differences between the two fuel types. All students will be able to test a running vehicle, remove the engine, recondition the engine to industry standards, reinstall, and finally retest the running engine. Transitioning from modular classes to a full semester class will help to ensure the student is receiving adequate time to learn the course objectives.

		Members Motion/Second
Proposal	Committee Action	
TSTA 286: Hybrid and Alternative Fueled Vehicle	Approved - Course Modification	Quesenberry/Stanfill

WCCC Discssion: No Discussion

Change Item Description
Course Modification

Department Justification

TSTA 286 Hybrid Vehicles and TSTA 289 Alternative Fueled Vehicles are both taught and available to the students on an alternating Spring schedule (one class available this Spring, the other available the next Spring semester). The Transportation department proposes to combine both classes into one class to facilitate the streamlining of the program and make it easier for the students to obtain the course knowledge. The new proposed course will focus mainly on hybrid vehicles (prevalent within the industry) and include topics on alternatively fueled vehicles. Keith Wright and Jason Roberson discussed prerequisites and agreed that TSTC 101 provides essential fundamental knowledge required to service vehicles. Additionally, it was determined that TSTC 130 (Electrical 1) was enough automotive electrical knowledge for the student to be comfortable taking this class. TSTC 160 Electrical 2 does not contain any additional Hybrid Vehicle information that is not already encompassed within TSTC 130.

Programs

Proposal	Committee Action	Members Motion/Second
1106: Transportation Services: Light Duty Automotive Technician	Approved - Modification	Carsten/Stanrill
WCCC Discssion: No Discussion		
Change Item Description Program Modification - Technical Certificate	Department Justification <ol style="list-style-type: none"> 1. TSTG 195 Climate Control is necessary for level of employment a student might obtain with only a Light Duty Certificate. 2. TSTG 115 Gas Engine Reconditioning class is to be deleted from catalog. 3. TSTG 150 Fluid Power is not necessary for level of employment a student might obtain with only a Light Duty Certificate. 4. TSTA 289 Alternative Fueled Vehicles class is to be deleted from catalog. 5. Restricted elective that should be available to all qualifying students depending on students desired career path. 6. Additional requirement of TSTG 195 Climate Control (4 credits). Through faculty and Advisory committee discussions it was determined that all technicians should be 7. TSTG 275 is an advanced class above knowledge learned in TSTC 171 Brakes 1 and TSTG 175 Brakes 2. Depending on students desired career path, this class is best placed as a restricted elective. 8. TSTA 267 is a restricted elective that should be available to all qualifying students depending on students desired career path. 9. TSTA 275 is a restricted elective that should be available to all qualifying students depending on students desired career path. 10. TSTA 287 is a restricted elective that should be available to all qualifying students depending on students desired career path. 11. TSTA 286 is a restricted elective that should be available to all qualifying students depending on students desired career path. 	

Proposal	Committee Action	Members Motion/Second
1312: Transportation Services: Automotive Technician	Approved - Modification	Stanfill/Carsten
WCCC Discssion: No Discussion		
Change Item Description Program Modification - Technical Certificate	Department Justification <ol style="list-style-type: none"> 1. Specialty field within the Automotive Industry that should not be a required field of study and will depend on students career path. 2. Specialty field within the Automotive Industry that should not be a required field of study and will depend on students career path. 3. Student learns basic knowledge concerning Abs systems in TSTC 171 Brakes 1 and TSTG 175 Brakes 2 and should not be required at a certificate level. Advanced knowledge depending on students career path. 	

4. Knowledge required for all technicians regardless of certificate level or degree.
5. Knowledge required for all technicians regardless of certificate level or degree.
6. TSTG 115 Gas Engine Reconditioning removed form restricted electives. Course deletion.
7. TSTA 289 Alternative Fuel Vehicles removed form restricted electives. Course deletion.
8. TSTA 267 should be available to all qualified students depending upon their chosen career path.
9. TSTA 286 should be available to all qualified students depending upon their chosen career path.
10. TSTA 287 should be available to all qualified students depending upon their chosen career path.
11. TSTG 215 should be available to all qualified students depending upon their chosen career path.
12. TSTG 240 should be available to all qualified students depending upon their chosen career path.

Proposal	Committee Action	Members Motion/Second
1342: Transportation Services: Diesel Technology	Approved - Modification	Stanfill/Quesenberry

WCCC Discssion: No Discussion

Change Item Description Department Justification

Program Modification - AAS

1. TSTA 289 Alternative Fueled Vehicles removed. Course removed from program.
2. TSTD 215 Diesel Engine Reconditioning removed.
3. TSTG 215 Engine Reconditioning added to restricted electives. Course replaces TSTD 215 and TSTG 115.
4. TSTG 115 Gas Engine Reconditioning removed. Course removed from program.
5. TSTA 286 Hybrid and Alternative Fueled Vehicles added to required course. Skill and knowledge required for degree seeking student within Transportation Industry.
6. TSTD 265 Diesel Engine Controls moved from restricted electives to required course. Skill and knowledge required for diesel degree seeking student within Transportation Industry.
7. TSTD 177 Air Systems Repair and Service moved from restricted electives to required course. Skill and knowledge required for diesel degree seeking student within Transportation Industry.
8. TSTD 275 Heavy Duty Suspension moved from restricted electives to required course. Skill and knowledge required for diesel degree seeking student within Transportation Industry.

9. Addition of TSTA 289, TSTD 177, TSTD 265, and TSTD 275 to required courses that are necessary for a technician in the automotive diesel field. Required course hours changed from 29 to 38.

10. Removal of TSTA 289, TSTD 177, TSTD 265, and TSTD 275 from restrictive electives to required courses that are necessary for a technician in the automotive diesel field. Restricted elective hours changed from 16 to 8.

Proposal	Committee Action	Members Motion/Second
1347: Transportation Services: Diesel Mechanics	Approved - Modification	Stanfill/Carsten

WCCC Discssion: No Discussion

Change Item Description	Department Justification
Program Modification - Technical Certificate	<ol style="list-style-type: none"> 1. TSTD 215 Diesel Engine Reconditioning removed from restricted electives. Class has been removed from TST program. 2. TSTG 215 Engine Reconditioning added to restricted electives. New class that replaced TSTD 215 Diesel Engine Reconditioning. 3. TSTG 135 Starting and Charging Systems removed from restricted electives and added to required course work. Skills and knowledge required learning for an Automotive Technician. Addition of course based on program faculty and advisory committee member recommendations. 4. Requiring TSTG 135 Starting and Charging Systems as skills and knowledge are required for all technicians. Addition of course based on program faculty and advisory committee member recommendations.

Proposal	Committee Action	Members Motion/Second
1386: Transportation Services: Advanced Automotive Service Technician	Approved - Modification	Carsten/Stanfill

WCCC Discssion: No Discussion

Change Item Description	Department Justification
Program Modification - AAS	<ol style="list-style-type: none"> 1. A) TSTD 215 Diesel Engine Reconditioning is taught every Fall semester (Mod class/8 weeks/5 credits). Students disassemble and reassemble program engines pre- B) TSTG 115 Gas Engine Reconditioning is taught every other Spring semester (Mod class/8 weeks/4 credits). Students test a running vehicle, remove the engine, recondition the engine to industry standards, reinstall, and finally retest the running engine. Students often struggle to finish the class in the allotted 8 weeks and have to work in the shop during finals week and occasionally into the next Mod.

C) The Transportation program proposes to combine TSTD 215 and TSTG 115 into a Fall full semester class (TSTG 215). Diesel and Gasoline engines are both four stroke engines and the lecture portion of the class covers both designs. Current program Diesel engines will be utilized to show students the design differences between the two fuel types. All students will be able to test a running vehicle, remove the engine, recondition the engine to industry standards, reinstall, and finally retest the running engine. Transitioning from modular classes to a full semester class will help to ensure the student is receiving adequate time to learn the course objectives.

2. TSTA 286 Hybrid Vehicles and TSTA 289 Alternative Fueled Vehicles are both taught and available to the students on an alternating Spring schedule (one class available this Spring, the other available the next Spring semester). The Transportation department proposes to combine both classes into one class to facilitate the streamlining of the program and make it easier for the students to obtain the course knowledge. The new proposed course will focus mainly on hybrid vehicles (prevalent within the industry) and include topics on alternatively fueled vehicles.

3. TSTG 275 is an advanced class above knowledge learned in TSTC 171 and TSTG 175. Depending on students desired career path, this class is best placed as a restricted elective.

4. At this education level students must have the knowledge gained from TSTA 286. Current industry outlook is geared more towards hybrid and alternative fueled vehicles as more and more of these types of vehicles become available each year. Technicians must be able to service these types of vehicles.

5. TSTG 150 should be available to students at this education level and be chosen by the student if it fits within their career path and education goals.