

PALM BEACH STATE COLLEGE CURRICULUM COMMITTEE
CORRECTIONS FROM October 28, 2021 MINUTES

D. CAREER CERTIFICATION PROGRAM (CCP)
Trade and Industry

Clock Hours

1. New Courses - Diesel

Presenter: Eligio Marquez

Assigned Curriculum Reviewers: Scott Hammond, Trineshia Sellars, Sabrina Greenwell

CC Representative: Eligio Marquez

Effective: Summer 2022

Cluster Approved: 10/28/2020

Business Partnership Council Approved: 5/13/2020

Justification: Nine new courses in the revision of the Diesel programs. Added AER0033C as a new content and course. The other new courses have had content rearranged and shuffled from the current/previous 150-clock hour courses into the new courses.

New Courses - Diesel		
Course #	Title	Course Information
a. AER0033C AER0033 SCNS Approved	Employability Skills (CCP)	60 clock hours; AN Grading Method; Limit to Access Codes: 5468/5452/5463. 5451 ; Corequisite: DIM0101C with a grade of C or higher ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Demonstrate effective communication skills for a variety of audiences. CLO 2: Demonstrate an understanding of mathematical concepts to solve real-world problems. CLO 3: Demonstrate workplace employability skills related to personal standards and work habits/ethics.
b. DIM0102C DIM0320C DIM0320 SCNS Approved	Diesel Electrical and Electronics Technician (CCP)	90 clock hours; AN Grading Method; Limit to Access Codes: 5468/5452 ; Prerequisite: DIM0010 with a grade of C or higher ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Diagnose general electrical system and battery issues. CLO 2: Repair starting, charging, and lighting systems, gauges, and warning devices.
c. DIM0103C DIM0151C DIM0151 SCNS Approved	Diesel Preventative Maintenance Technician (CCP)	60 90 clock hours ; AN Grading Method; Limit to Access Codes: 5468 ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Inspect engine and drive train systems and record findings. CLO 2: Perform routine maintenance on a variety of truck systems.

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d.	DIM0106C DIM0611C DIM0611 SCNS Approved	Diesel Heating, Ventilation and Air Conditioning Technician (CCP)	90 60 clock hours; AN Grading Method; Limit to Access Codes: 5468/5452 ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Diagnose concerns related to HVAC systems. CLO 2: Performs the required service/repair of heating and air conditioning, refrigeration, compressors, compressor clutches, evaporators, receiver driers, accumulators, condensers, heating and engine cooling, and related systems. CLO 3: Employ EPA mandated refrigerant recovery, recycling and handling practices.
e.	DIM0107C DIM0501C DIM0501 SCNS Approved	Diesel Steering and Suspension (CCP)	90 clock hours; AN Grading Method; Limit to Access Codes: 5468/5452 ; Prerequisite: DIM0111L with a grade of C or higher ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Diagnose truck suspension, steering, and wheel and tire issues. CLO 2: Repair steering system components, suspension systems, tires, frames, and coupling systems. CLO 3: Perform wheel alignments and adjustments.
f.	DIM0108C DIM0200C DIM0200 SCNS Approved	Diesel Drive Train Systems (CCP)	90 100 clock hours; AN Grading Method; Limit to Access Codes: 5468 ; Prerequisite: DIM0111L with a grade of C or higher ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Diagnose truck transmission issues. CLO 2: Repair transmission, driveshafts, universal joints, and drive axles.
g.	DIM0109C DIM0400C DIM0400 SCNS Approved	Diesel Hydraulics Technician (CCP)	60 clock hours; AN Grading Method; Limit to Access Codes: 5468 ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Diagnose hydraulic system failures. CLO 2: Repair hydraulic systems and components including pump filtration/reservoirs, hoses, fittings, connections, control valves, and actuators. CLO 3: All ASE tasks are based on the ASE Tasks list.
h.	DIM0110C DIM0210C DIM0210 SCNS Approved	Diesel Power Train Systems (CCP)	100 clock hours; AN Grading Method; Limit to Access Codes: 5468 ; Prerequisite: DIM0111L with a grade of C or higher ; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Perform diagnosis and repairs on track servo systems, servo transmissions, transfer cases and final drives.

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i.	DIM0111L Truck Technician Lab 1 SCNS Approved	CLO 2: Perform ASE tasks as required. 90 100 clock hours; AN Grading Method; Limit to Access Codes: 5468; Prerequisite: DIM0302C DIM0321 with a grade of C or higher; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance ILO: Communication, Critical Thinking, STEM CLO 1: Prepare vehicles for routine maintenance, pre/post inspection and customer services. CLO 2: Diagnose electrical system and battery issues as per the ASE task list. CLO 3: Diagnose diesel engine issues as per the ASE task list. CLO 4: Perform the prescribed ASE tasks for the repair of lubrication and cooling systems, air induction, and exhaust systems.
j.	DIM0802L DIM0940L Diesel Work-Based Learning Practice SCNS Approved	30 clock hours; AN Grading Method; Limit to Access Codes: 5468; Prerequisites: DIM0111L, DIM0611 and DIM0400 all with a grade of C or higher; Offered F2F @ LW and BG Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance and Liability ILO: Communication, Critical Thinking, STEM CLO 1: Perform diagnosis and repair on diesel systems. CLO 2: Perform diagnosis and repairs as mandated by the ASE Tasks.

Discussion: [1:22-1:34] Question was asked about why some courses have prerequisites and others do not. Presenter answered that the prerequisites are only needed in certain courses to ensure students have completed skills required to progress through the program. Question was asked why the labs were classified as prerequisites instead of corequisites. Presenter answered that students must take the lab before other courses, the lab (DIM0111L) teaches students about electricity, and they need this foundation before moving on to other courses. Committee member and assigned reviewer praised presenter on the revision of the programs to meet industry need. Question was asked whether there was a matrix to crosswalk where each course is meeting the state standards. Presenter answered that he is using and meeting both the state standards and ASE standards to meet accreditation requirements. Effective date had to be changed from Spring 2022 to Summer 2022 due to implementation timeline.

Data sources consulted: Curriculum Support Documents

Action: Motion to approve new Diesel courses with CLOs to be added for DIM0802L after the meeting - T. Sellars; 2nd S. Hammond; All in favor; **Motion approved.** CLOs added.

SCNS: Submitted 11/1/2021; SCNS Approved 12/10 – 12/15/2021

CRM Approved Course Descriptions 11/9/2021

Courses (and Course Numbers) SCNS Approved

2. ~~Revised~~ **NEW** Courses - Diesel

Presenter: Eligio Marquez

Effective: Summer 2022

Cluster Approved: 10/28/2020

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Assigned Curriculum Reviewers: Scott Hammond, Trineshia Sellars, Sabrina Greenwell

Business Partnership Council Approved: 5/13/2020

CC Representative: Eligio Marquez

Justification: Six revised courses, changes in clock hours, pre/corequisites, course titles and numbers, course fees.

Revised-NEW Courses - Diesel				
Current Course #	Current Title	Proposed Course #	Proposed Course Title	Proposed Changes-Course Information
a. DIM0101	Diesel Engine Mechanic/Technician Helper (CCP)	DIM0101C DIM0010C DIM0010	Diesel Engine Mechanic/Technician Helper (CCP)	Add "C" Suffix; Change Clock hours from 150 clock hours to 90 clock hours; Change Course Description; AN Grading Method; Prerequisite AER0033 with a grade of C or higher ; Limit to Access Codes: 5468/5452. Course Fee Reduction: from \$75.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance = Maintain this fee per 2021-2022 PBSC Fee Schedule.
b. DIM0007	Heavy Truck Brake Systems 1 (CCP)	DIM0105C DIM0132C DIM0132	Diesel Brake Systems (CCP)	Change Course Number, Course Title; Change Clock hours from 150 clock hours to 90 clock hours; Change Course Description; AN Grading Method; Add Prerequisite: DIM0111L with a grade of C or higher. Limit to Access Codes: 5468/5452. 5457A. CLO Revisions: CLO 1: Diagnose hydraulic brake issues CLO 2: Repair hydraulic brake systems including power assist units, ABS and ATC systems. CLO 3: Identify air brake and wheel bearing issues. CLO 4: Repair air brakes, parking brakes and wheel bearings. Course Fee Reduction: from \$60.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance = Maintain this fee per 2021-2022 PBSC Fee Schedule.
c. DIM0014	Diesel Engine Systems 1 (CCP)	DIM0104 DIM0150C DIM0150	Diesel Engine Technician (CCP)	Change Course Number, Course Title; Change Clock hours from 150 clock hours to 100 clock hours; Change Course Description; AN Grading Method; Prerequisite: DIM0302C DIM0320 with a grade of C or higher. Limit to Access Codes: 5468. 5457A CLO Revisions: CLO 1: Diagnose engine issues. CLO 2: Repair engine components as required by diagnosis.

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				<p>Course Fee Reduction: from \$60.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance = Maintain this fee per 2021-2022 PBSC Fee Schedule.</p>
d.	DIM0303 Electrical and Electronic Systems 2 (CCP)	DIM0321C DIM0321 SCNS Approved	Diesel Engine Performance (CCP)	<p>Change Course Number, Course Title; Change Clock hours from 150 clock hours to 90 clock hours; Change Course Description; AN Grading Method; Prerequisite: DIM0320C DIM0150 with a grade of C or higher; Limit to Access Codes: 5468. 5457A</p> <p>CLOs: CLO 1: Diagnose codes and misfires using a scan tool. CLO 2: Repair electrical/ electronic systems as required by diagnosis. Course Fee Reduction: from \$60.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance = Maintain this fee per 2021-2022 PBSC Fee Schedule.</p>
e.	DIM0154 Diesel Maintenance Service Technician 1	DIM0154C DIM0154 DIM0156 SCNS Approved	Diesel Engine Electronics (CCP)	<p>Add "C" Suffix; Change course title; Change Clock hours from 150 clock hours to 60 clock hours; Change Course Description; AN Grading Method; Prerequisite: DIM0320 DIM0320 with a grade of C or higher; Limit to Access Codes: 5452.</p> <p>CLO Revisions: CLO 1: Diagnose codes and misfires using a scan tool. CLO 2: Repair electrical/electronic systems as required by diagnosis. CLO 3: Diagnose and repair multiplex systems. Course Fee Reduction: from \$65.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance = Maintain this fee per 2021-2022 PBSC Fee Schedule.</p>
f.	DIM0155 Diesel Maintenance Service Technician 2	DIM0155C DIM0155 DIM0157 SCNS Approved	Diesel Maintenance Service Technician (CCP)	<p>Add "C" Suffix; Change course title; Change Clock hours from 150 clock hours to 60 clock hours; Change Course Description; AN Grading Method; DIM0154 with a grade of C or higher. Limit to Access Codes: 5452.</p> <p>New Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance = Maintain this fee per 2021-2022 PBSC Fee Schedule.</p>

Discussion: Effective date had to be changed from Spring 2022 to Summer 2022 due to implementation timeline. No further discussion.

Data sources consulted: Curriculum Support Documents

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Action: Motion to approve Diesel courses – M. Pachter; 2nd T. Armas; All in favor; **Motion approved.**
SCNS: Submitted 11/1/2021; SCNS Approved 12/10 – 12/15/2021
CRM Approved Course Descriptions 11/9/2021

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Courses (and Course Numbers) SCNS Approved

3. Revised Program - Diesel Systems Technician 1 CCP (title was: ~~Basic Diesel Service Technology CCP~~)

FA

Presenter: Eligio Marquez

Effective: Summer 2022

CIP Code: 0647061305 (Federal: 47.0613)

Cluster Approved: 10/28/2020

Total Clock Hours: 1050 **Program Code:** 5468

Business Partnership Council Approved: 5/13/2020

Program Length: 41 weeks/day; 58 weeks/night

Access: Controlled Access program

Assigned Curriculum Reviewers: Scott Hammond, Trineshia Sellars, Sabrina Greenwell

CC Representative: Eligio Marquez

Program Transition: The Transportation Service Technology faculty unanimously agreed to this change. The ASE Advisory Committee also unanimously agreed to the change in the meeting held on May 13, 2020. The diesel programs offered by PBSC now are 19 months / 1,800 clock-hours / 68 weeks long. The ASE requirement for this program is 740 clock hours without the Introduction class. Making the above changes to the program will result in an 11 month / 1,050 clock-hours / 41 week long program - reducing the program by 8 months / 750 clock hours / 27 weeks shorter and the students would acquire the same education.

Courses last offered: Program 5468 has not been offered since December 2019.

Institutional Learning Outcomes: Communication, Critical Thinking, and STEM

Delivery: F2F, Lake Worth, Belle Glade

Program Description: This program ~~is designed to will~~ prepare ~~students~~ the graduate for employment in ~~a variety of occupations~~ the field as an entry-level technician for bus, truck, and ~~careers found~~ diesel engines, mobile heavy equipment, construction equipment, and industrial trucks. Hands-on training in the ~~diesel~~ lab in combination with theory in the classroom will give the student a full understanding of workplace practice, safety, and ~~heavy truck industry~~ organization. ~~A combination of technical theory and practical hands-on instruction~~ The participant will ~~provide students~~ be trained with the ~~knowledge~~ ASE Education Foundation Entry Level standards and ~~skills required for entry level employment in this high wage field.~~ Coursework for testing leading to 5 student Certifications. Additionally, the ~~Basic Diesel Service Technology~~ program prepares students for the ~~Medium/Heavy Truck Technician~~ professional level ASE ~~(National Automotive Service Excellence)~~ certification exams in Diesel Engines (T2), Brake Systems (T4) T2 through T8 and Electrical and Electronic Systems (T6) E1 through E3. For more information, please refer to the ~~This is an ASE's website:~~ Education Foundation Accredited Training Program. www.ase.com.aseeducationfoundation.org.

Program coursework content also covers:

Shop organization

Environmental and safety practices

Proper use of tools and equipment

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Applied math and science
Employability skills
Maintenance operations and shop facilities
Entrepreneurship

Coursework for this program covers instruction in the proper and safe use of heavy diesel service tools and diagnostic equipment. The curriculum is designed to give students a combination of classroom and lab ~~related-related~~ activities. **(hyphenated the word "lab-related")**

The Diesel Technology Program is accredited by the National Automotive Education Foundation (NATEF): www.NATEF.org.

Admission Requirements:

No high school diploma or GED is required. (To be eligible to receive federal student aid, you must: Have a high school diploma or a General Education Development (GED) certificate, or have completed homeschooling)

Complete an Application for Admission, located at www.palmbeachstate.edu/admissions/Admissions-Applications

Take the TABE exam, if not exempt from TABE testing. To determine if you are exempt, please go to

www.palmbeachstate.edu/academicservices/Curriculum-and-Programs

~~Attend an~~ **The student must attend a mandatory** information session ~~or~~ **and** meet with the ~~program advisor~~ **Industry, Manufacturing, and Transportation Department (formerly T & I) Student Advisor and Director.**

Diesel Systems Technician 1 CCP (5468) (1050 hours)					
Current Program: Basic Diesel Service Technology CCP (5468)			Proposed Program: Diesel Systems Technician 1 CCP (5468)		
Course #	Title	Clock Hours	Course #	Title	Clock Hours
Term One - Fall (Year One) (Clock Hours: 300)			Term One - Fall (Year One) (Clock Hours: 430)		
DIM0004	Introduction to Diesel Technology CCP (150)		AER0033	Employability Skills	60hrs
DIM0302	Electrical and Electronic Systems 1 (CCP) (150)		DIM0010	Diesel Engine/Technician Helper	90hrs
			DIM0320	Diesel Electrical and Electronics Technician	90hrs
			DIM0150	Diesel Engine Technician	100hrs
			DIM0321	Diesel Engine Performance	90hrs
Term Two - Spring (Year One) (Clock Hours: 300)			Term Two - Spring (Year One) (Clock Hours: 440)		
DIM0014	Diesel Engine Systems 1 (CCP) (150)		DIM0111L	Diesel Technician Lab 1	100hrs
DIM0303	Electrical and Electronic Systems 2 (CCP) (150)		DIM0132	Diesel Brakes Systems	90hrs
			DIM0501	Diesel Steering and Suspension Technician	90hrs
			DIM0200	Diesel Drivetrain Technician	
			OR		
			DIM0210	Diesel Powertrain Technician	100hrs
			DIM0611	Diesel Heating, Ventilation, and Air Conditioning Technician	60hrs
Term Three - Summer (Year One) (Clock Hours: 150)			Term Three - Summer (Year One) (Clock Hours: 180)		
DIM0006	Diesel Engine Systems 2 (CCP) (150)		DIM0151	Diesel Preventative Maintenance Technician	90hrs
			DIM0400	Diesel Hydraulics Technician	60hrs
			DIM0940L	Work-based Learning Practice	30hrs

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Term Four – Fall (Year Two) (Clock Hours: 300)	
DIM0007 Heavy Truck Brake Systems 1 (CCP) (150)	
DIM0008 Heavy Truck Brake Systems 2 (CCP) (150)	
Total Clock Hours: 1050	Total Clock Hours: 1050

OCP Table - Diesel Systems Technician 1 CCP (5468) (1050 hours)				
OCP Points	Course	Title	Clock Hours	Subtotals per Group
A – Diesel Engine Mechanic/Technician Helper	AER0033	Employability Skills	60	150
	DIM0010	Diesel Engine Mechanic/Technician Helper	90	
B – Diesel Electrical and Electronics Technician	DIM0320	Diesel Electrical and Electronics Technician	90	330
	DIM0321	Diesel Engine Performance	90	
	DIM0611	Diesel Heating, Ventilation and Air Conditioning Technician	90	
	DIM0400	Diesel Hydraulics Technician	60	
C – Diesel Engine Technical	DIM0200	Diesel Drivetrain Systems	100	300
	OR	OR		
	DIM0210	Diesel Powertrain Systems	(100)	
	DIM0111L	Truck Technician Lab 1	100	
D – Diesel Brakes Technician	DIM0150	Diesel Engine Technician	100	270
	DIM0132	Diesel Brake Systems	90	
	DIM0501	Diesel Steering and Suspension	90	
	DIM0151	Diesel Preventative Maintenance Technician	60	
	DIM0940L	Diesel Work-based Learning Practice	30	
Total			1050	

Discussion: Effective date had to be changed from Spring 2022 to Summer 2022 due to implementation timeline. No further discussion.

Data sources consulted: Curriculum Support Documents

Action: Motion to approve Diesel Systems Technician 1 CCP program revision – C. Thompson; 2nd J. Brownlee; All in favor; **Motion approved.**

No SCNS Action

Courses (and Course Numbers) SCNS Approved

2. Revised Program - Diesel Technician CCP (title was: Diesel Maintenance Technician CCP)

FA

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Presenter: Eligio Marquez
CIP Code: 0647060515 (Federal: 47.0605)
Total Clock Hours: 600 **Program Code:** 5452
Program Length: 20 weeks/day; 30 weeks/night
Assigned Curriculum Reviewers: Scott Hammond, Trineshia Sellars, Sabrina Greenwell
CC Representative: Eligio Marquez
Institutional Learning Outcomes: Communication, Critical Thinking, and STEM
Delivery: F2F, Lake Worth, Belle Glade

Effective: Summer 2022 (offered fall 2022)
Cluster Approved: 10/28/2020
Business Partnership Council Approved: 5/13/2020
Access: Controlled Access

Program Description:

The Diesel Maintenance Technician Program This program will provide students with prepare the knowledge and skills needed to obtain employment as participant for an entry-level technician-level job in the diesel service industry. This 600-hour program employs theory and laboratory work to cover a broad range of entry-level skills that will provide a solid foundation for this career Hands-on training in the industry-labs in combination with the theory in the classroom will give the student a full understanding of employability skills, hands-on training, safety, and organization. The participant will be trained with the ASE Education Foundation Entry Level standards and testing, leading into Certifications into student certifications in IMMR. Additionally, the program prepares students for 6 professional-level ASE certification exams. This program is accredited by the ASE Education Foundation.
<https://www.aseeducationfoundation.org>

Admission Requirements:

- No high School-school diploma or GED is required. (To be eligible to receive federal student aid, you must: Have a high school diploma or a General Education Development (GED) certificate, or have completed homeschooling)
- Complete an application for admission, located at www.palmbeachstate.edu/admissions/Admissions-Applications
- Take the TABE exam, if not exempt from TABE testing. To determine if you are exempt, please go to www.palmbeachstate.edu/academic-services/curriculum-and-programs/
- Send request for official high school transcripts, GED, or validated foreign equivalent to the Admissions Office.
- Attend a program information session and meet with the program advisor are mandatory. (www.palmbeachstate.edu/information-sessions/)

Completion Requirements

1. Students must successfully complete all courses listed in the catalog for this program.
2. All financial responsibilities must be satisfied.

Diesel Technician CCP (5452) (600 hours)					
Current Program: Diesel Maintenance Technician CCP (5452)			Proposed Program: Diesel Technician CCP (5452)		
Course #	Title	Clock Hours	Course #	Title	Clock Hours
Term One - Fall (Year One) (Clock Hours: 300)			Term One - Fall (Year One) (Clock Hours: 300)		
DIM0154	Diesel Maintenance Technician 1	150 hrs	AER0033	Employability Skills	60hrs
DIM0155	Diesel Maintenance Technician 2	150 hrs	DIM0010	Diesel Engine Mechanic/Technician Helper	90hrs
			DIM0320	Diesel Electrical and Electronics Technician	90hrs
			DIM0132 DIM0154 DIM0156	Diesel Engine Electronics	60hrs

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Term Two - Spring (Year One) (Clock Hours: 300)	Term Two - Spring (Year One) (Clock Hours: 300)
DIM0101 Diesel Engine Mechanic/Technician Helper 150 hrs DIM0131 Diesel Air Brakes Technician 150 hrs	DIM0105 DIM0132 Diesel Brake Systems 90hrs DIM0501 Diesel Steering and Suspension 90hrs DIM0611 Diesel Heating, Ventilation and Air Conditioning Technician 60hrs DIM0155 DIM0157 Diesel Maintenance Service Technician 60 hrs
Total Clock Hours: 600	Total Clock Hours: 600

OCP Table - Diesel Technician CCP (5452) (600 hours)				
OCP Points	Course	Title	Clock Hours	Subtotals per Group
A – Diesel Engine Mechanic/Technician Helper	AER0033	Employability Skills	60	150
	DIM0010	Diesel Engine Mechanic/Technician Helper	90	
B – Diesel Electrical and Electronics Technician	DIM0320	Diesel Electrical and Electronics Technician	90	150
	DIM0154 DIM0156	Diesel Engine Electronics	60	
C – Diesel Engine Technical	DIM0132	Diesel Brake Systems	90	300
	DIM0501	Diesel Steering and Suspension	90	
	DIM0611	Diesel Heating, Ventilation and Air Conditioning Technician	60	
	DIM0155 DIM0157	Diesel Maintenance and Service Technician	60	
Total			600	

Discussion: [1:44-1:48] Question was asked since the program start date is pushed back, will a new cohort be brought in and run on the current/old curriculum (not new/proposed curriculum in Spring 2022). Presenter answered in the affirmative. This presents a technical issue for implementation to be addressed. No courses are presented for deletion, but courses are presented for revision of course numbers/titles/clock hours.

Data sources consulted: Curriculum Support Documents

Action: Motion to approve Diesel Technician CCP program revision – S. Hammond; 2nd A. Adame-Smith; All in favor; **Motion approved.**

No SCNS Action.

Courses (and Course Numbers) SCNS Approved

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3. New Courses - Automotive

Presenter: Eligio Marquez

Assigned Curriculum Reviewers: Gilberto Castaneda, Angela Adame-Smith, Joseph Brownlee

CC Representative: Eligio Marquez

Effective: Summer 2022

Cluster Approved: 10/28/2020

Business Partnership Council Approved: 5/13/2020

Justification: Eight new courses in the revision of the Automotive programs. AER0033C is a new course with new content and shared with the Diesel programs. The other new courses have had content rearranged and shuffled from the current/previous 150-clock hour courses into the new courses.

New Courses - Automotive		
Course #	Title	Course Information
a. AER0006C AER0001C AER0001 SCNS Approved	Introduction to Automotive Industry, Safety, and Tools	60 Clock Hours; AN Grading Method; Limit to: 5463/5451 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking CLO 1: Proficiently explain and apply required shop and personal safety tasks relating to the automotive industry. CLO 2: Explain and apply required tasks associated with the proper use and handling of tools and equipment relating to the automotive industry. CLO 3: Demonstrate an understanding of shop rules and regulations. CLO 4: Demonstrate qualifying credentials in S/P2's and lift training. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee
b. AER0007C AER0270C AER0270 SCNS Approved	Fundamentals of Drivetrain Systems	80 Clock Hours; AN Grading Method; Limit to 5451 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking CLO 1: Explain and apply proficiently the diagnosis and service of automatic transmissions/transaxles. CLO 2: Explain and apply proficiently the operation, diagnosis and service of manual drivetrains, clutches, transmissions/transaxles, drive and half-shaft universals, constant velocity joints, rear axle differential assembly, limited slip, four-wheel drive, and all-wheel drive. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee
c. AER0172C AER0170C AER0170 SCNS Approved	Heating and Air Conditioning	70 Clock Hours; Prerequisite: AER0601C AER0601 with a grade of C or higher. AN Grading Method; Limit to 5463/5451 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking CLO 1: Explain and apply proficiently the diagnosis, service, and repair of heating and air conditioning, refrigeration, compressor clutches, evaporators, receiver driers, accumulators, condensers, heating and engine cooling, related control systems, refrigerant recovery, and recycling and handling. CLO 2: Demonstrate proper understanding of the EPA Section 609. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee
d. AER0257C AER0250C	Automatic Transmissions	70 Clock Hours; AN Grading Method; Limit to 5463 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking

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	AER0250		CLO: Explain and apply proficiently the diagnosis, service, repair, and overhaul of automatic transmissions/transaxles. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee
e.	AER0274C AER0271C AER0271	Manual Drivetrain and Axles	80 Clock Hours; AN Grading Method; Limit to 5463 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking CLO 1: Explain and apply proficiently the operation, assembly, diagnosis, service, and repair of manual drivetrains, clutches, transmissions/transaxles, drive and half-shaft universals, constant velocity joints, rear axle differential assembly, limited slip, four-wheel drive, and all-wheel drive. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee
f.	AER0885C AER0830C AER0830	Engine Performance 1	80 Clock Hours; Prerequisite: AER0601C AER0601 with a grade of C or higher ; AN Grading Method; Limit to 5463/5451 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking CLO 1: Explain and apply proficiently the diagnosis, service and repair of engines, ignition, fuel, air induction, and exhaust systems. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee
g.	AER0886C AER0851C AER0851	Engine Performance 2	70 Clock Hours; Prerequisite: AER0830C AER0830 with a grade of C or higher ; AN Grading Method; Limit to 5463 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking CLO 1: Explain and apply proficiently the diagnosis, service computerized and emission control systems. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee
h.	AER0893L AER0940L	Automotive Work-based Learning Practice	80 Clock Hours; Prerequisites: AER0601C, AER0271, AER0603C, AER0830C and AER0851C all with a grade of C or higher . TABE requirements must be exempt or completed. AN Grading Method; Limit to 5463 ; Offered F2F @ LW & BG ILO: STEM, Communication and Critical Thinking CLO 1: Perform diagnosis and repair on vehicles as required. CLO 2: Perform diagnosis and repairs as mandated by the ASE tasks. Course Fee: \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee and Liability

Discussion: [1:51-1:52] Question was asked about the location of where the courses are being offered, whether dual enrollment was being offered on our campuses or offsite. Presenter answered that South Tech instructor is credentialed as external individual. Question was asked whether we have a SACSCOC reporting obligation for offsite (high school) instruction.

Data sources consulted: Curriculum Support Documents

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Action: Motion to approve new Automotive courses – C. Thompson; 2nd J. Brownlee; All in favor; **Motion approved.**

Action: Julie Sivigny to follow up with presenter on whether SACSCOC reporting obligation is needed.

SCNS: Submitted 11/1/2021; SCNS Approved 12/10 – 12/15/2021

CRM Approved Course Descriptions 11/9/2021

Courses (and Course Numbers) SCNS Approved

4. Revised New Courses - Automotive

Presenter: Eligio Marquez

Assigned Curriculum Reviewers: Gilberto Castaneda, Angela Adame-Smith, Joseph Brownlee

CC Representative: Eligio Marquez

Justification: Six revised courses - changes in clock hours, pre/corequisites, course titles and numbers, course fees.

Effective: Summer 2022

Cluster Approved: 10/28/2020

Business Partnership Council Approved: 5/13/20

Revised New Courses - Automotive

	Current Course #	Current Title	Proposed Course #	Proposed Course Title	Proposed Changes Course Information
a.	AER0014	Introduction to Automotive Services (CCP)	AER0014 AER0012 SCNS Approved	Fundamentals of Automotive Services (CCP)	Change course title; Change Clock Hours from 300 clock hours to 100 clock hours; Change Course description; AN Grading method; Limit to Access Codes: 5463/5451; 5458A; Offered F2F @ BG and LW ILO: Communication, Critical Thinking, STEM CLO 1: Demonstrate proper vehicle routine maintenance and service. CLO 2: Demonstrate proper use of tire balance machine. CLO 3: Demonstrate basic diagnosis and inspection skills. CLO 4: Demonstrate proficiency in preparing vehicles for routine pre/post-maintenance and customer services. Course Fee Increase from \$30.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee —Maintain this fee per 2021-2022 PBSC Fee Schedule.
b.	AER0691	Automotive Electrical and Electronic Systems 1 (CCP)	AER0360C AER0601C AER0601 SCNS Approved	Electrical and Electronic Systems 1 (CCP)	Change course number; Change course title; Change Clock Hours from 150 clock hours to 80 clock hours; Change course description; AN Grading method; Prerequisite: AER0001C AER0001 with a grade of C or higher; Limit to Access Codes: 5463/5451; 5458A; Offered F2F @ BG and LW ILO: Communication, Critical Thinking, STEM Course Fee Increase from \$30.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee —Maintain this fee per 2021-2022 PBSC Fee Schedule.

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c.	AER0692	Automotive Electrical and Electronics 2 (CCP)	AER0608C AER0603C AER0603	Electrical and Electronic Systems 2 (CCP)	Change course number; Change course title; Change Clock Hours from 150 clock hours to 70 clock hours; Change course description; AN Grading method; Change Prerequisite from: AER0691 with a grade of C or higher to AER0601C AER0601 with grade of C or higher; Limit to Access Codes: 5463/5451, 5458A; Offered F2F @ BG and LW ILO: Communication, Critical Thinking, STEM Course Fee Increase from \$30.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee =Maintain this fee per 2021-2022 PBSC Fee Schedule.
d.	AER0199	Automotive Engine Repair (CCP)	AER0199C AER0199 AER0196	Engine Repair (CCP)	Add "C" Suffix; Change title; Change Clock Hours from 150 clock hours to 80 clock hours; Change Prerequisite from AER0692 with a grade of C or higher to AER0603C AER0601 with a grade of C or higher; AN Grading method; Limit to Access Codes: 5463/5451; 5458A; Offered F2F @ BG and LW ILO: Communication, Critical Thinking, STEM Course Fee Increase from \$30.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee =Maintain this fee per 2021-2022 PBSC Fee Schedule.
e.	AER0499	Automotive Steering and Suspension (CCP)	AER0453C AER0451C AER0451	Steering, Suspension, and Alignment (CCP)	Change course number; Change title; Change Clock Hours from 150 clock hours to 75 clock hours; AN Grading method; Change prerequisite from AER0692 with a grade of C or higher to AER0603C with a grade of C or higher; Limit to Access Codes: 5463/5451; 5458A; Offered F2F @ BG and LW ILO: Communication, Critical Thinking, STEM Course Fee Increase from \$30.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee =Maintain this fee per 2021-2022 PBSC Fee Schedule.
f.	AER0599	Automotive Brake Systems (CCP)	AER0418C AER0410C AER0410	Brake Systems (CCP)	Change Clock Hours from 150 clock hours to 75 clock hours; Prerequisite: AER0603C with a grade of C or higher (formerly AER0692); AN Grading method; Limit to Access Codes: 5463/5451; 5458A; Offered F2F @ BG and LW ILO: Communication, Critical Thinking, STEM Course Fee Increase from \$30.00 to \$55.00 (#6 Technical/mechanical course) Medical Accident Insurance Fee =Maintain this fee per 2021-2022 PBSC Fee Schedule.

Discussion: No further discussion.

Data sources consulted: Curriculum Support Documents

Action: Motion to approve Automotive courses – M. Pachter; 2nd A. Adame-Smith; All in favor; **Motion approved.**

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SCNS: Submitted 11/2/2021; SCNS Approved 12/10 – 12/15/2021
CRM Approved Course Descriptions 11/9/2021

Courses (and Course Numbers) SCNS Approved

5. Revised Program - Automotive Service Technician CCP (title was: ~~Basic Automotive Service Technology CCP~~) **FA**
Presenter: Eligio Marquez **Effective:** Summer 2022
CIP Code: 0647060411 (Federal: 47.0604) **Cluster Approved:** 10/28/2020
Total Clock Hours: 1050 **Program Code:** 5463 **Business Partnership Council Approved:** 5/13/2021
Length: 41 weeks/day; 58 weeks/night **Access:** Controlled Access

Assigned Curriculum Reviewers: Gilberto Castaneda, Angela Adame-Smith, Joseph Brownlee

CC Representative: Eligio Marquez

- **Justification:** The BAST-5463 has not been offered since December 2020. This is a 1,050 clock-hour program that we are proposing to make the changes of what our ASE Education Foundation Advisory Committee and Business Partners are asking from us. **The whole purpose of our CCP programs is to be able to serve our community business partners.**
- The Basic Automotive Service Technology (5463) program name will change to Automotive Service Technician and will remain at 1,050 clock-hours that are approved for SACSCOC and FLDOE which does not require any action. There are clock-hour changes in the existing classes with name changes and additional classes added to cover all the material needed to maintain the ASE standards.
- This is a program revision to restart the 5463-program while at the same time meeting the community industry needs and offering the program at the BG campus as another alternative for the community.
- Our business partners have been requesting that we have a program that can be shorter in time/length to completion to meet their needs. Based on this need, I researched with ASE and confirmed the clock-hours per program necessary to maintain the accreditation and comply with the mandatory tasks that students need to complete prior graduation. I presented this research to our ASE-EF advisory committee (which for auto are 1,040 clock-hours) to keep the ASE standards. The advisory committee agreed for me to give a presentation on how the program be revised, including all the areas that needed to be covered. This was presented to the advisory committee in May of 2020 and was approved by the advisory committee.
- The only reason the 5463-program is requesting a Spring start is so that the conversations with South Tech and other schools by the Office of Student Services to begin dual-enrollment could take place as soon as possible. Currently, the way the programs are set up in Workday the clock-hours do not work for these schools. This program would also be an addition to the BG campus offering as well.
- The *Automotive Service Technology* (5458A) program is not being discussed for transition because there is no transition **yet**. The last cohort of 5458A started in August of 2021 (ends Spring 2023) and will have a teach out phase presented at the next meeting **if** the 5463 actions are approved. The new cohort for 5463 will start in February of 2022 offering this revised program, *if approved*.

Institutional Learning Outcomes: Communication, Critical Thinking, and STEM

Delivery: F2F, Lake Worth, Belle Glade

Program Description:

This program ~~is designed to~~ will prepare ~~students for employment in the participant as a variety of occupations and careers found~~ technician in the automotive service ~~and repair industry field. A combination of technical theory and practical hands~~ Hands-on instruction will provide students training in the

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labs is supplemented with the ~~knowledge~~ theory in the classroom to give the student a full understanding of workplace practice, safety, and organization. The AST program provides technical skill proficiency and includes competency-based applied learning that contributes to academic knowledge, higher-order reasoning, and problem-solving skills, ~~required~~ work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the automotive field. ASE Education Foundation Entry Level curriculum prepares the students for 10 entry-level ~~level employment~~ certification exams included in ~~this high-wage field. Coursework for the program.~~ Additionally, the ~~Basic Automotive Service Technology~~ program prepares students for the ~~Automotive Technician~~ professional level ASE ~~(National Automotive Service Excellence)~~ A1 thru A8 plus G1 certification exams in ~~Engine Repair (A1), Steering and Suspension (A4), Brakes (A5), and Electrical/Electronic Systems (A6).~~ For more information, please refer to ~~www.ASE.com~~ ~~This is an ASE Education Foundation Accredited Training Program.~~ <https://www.aseeducationfoundation.org/>.

Program coursework content also covers: Shop organization, Environmental and safety practices, Proper use of tools and equipment, Applied math and science, Employability skills, Maintenance operations and shop facilities, Entrepreneurship, Proper and safe use of tools and diagnostic equipment. The ~~Basic Automotive Service Technology program~~ Technician program is certified as a Master Training Program by the National Automotive Technicians Education Foundation (NATEF) meeting national training standards in Automotive Service Excellence areas of certification: www.NATEF.org.

Admission Requirements: No changes

Program Length:

The ~~Basic Automotive Service Technology program~~ Technician program is 1,050 hours long. ~~The part-time program, offered in~~ This program is offered during the ~~evenings, is daytime and is~~ approximately ~~17 months~~ 12 months long.

Automotive Service Technician CCP (5463) (1050 hours)					
Course Number	Title	Clock Hours	Course Number	Title	Clock Hours
Term One - Fall (Year One) (Clock Hours: 300)			Term One - Fall (Year One) (Clock Hours: 300 445)		
AER0014	Introduction to Automotive Services (CCP)	300	AER0033	Employability Skills	60
			AER0001	Introduction to Automotive Industry, Safety, and Tools	60
			AER0012	Fundamentals of Automotive Service	100
			AER0601	Electrical and Electronic Systems 1	80
			AER0603	Electrical and Electronic Systems 2	70
			AER0410	Brake Systems	75
Term Two – Spring (Year One) (Clock Hours: 300)			Term Two – Spring (Year One) (Clock Hours: 300 455)		
AER0691	Automotive Electrical and Electronic Systems 1 (CCP)	150	AER0451	Steering, Suspensions and Alignments	75
AER0692	Automotive Electrical and Electronic Systems 2 (CCP)	150	AER0199 AER0196	Engine Repair	80
			AER0830	Engine Performance 1	80
			AER0851	Engine Performance 2	70
			AER0250	Automatic Transmissions	70
			AER0271	Manual Drivetrain and Axles	80
Term Three – Summer One (Clock Hours: 150)			Term Three – Summer One (Clock Hours: 150)		
AER0599	Automotive Brake Systems (CCP)	150	AER0170	Heating and Air Conditioning	70

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	AER0940L Automotive Work-based Learning Practice	80
<i>Term Four – Fall (Year Two)</i>		
AER0199 Automotive Engine Repair (CCP) _____ 150		
AER0499 Automotive Steering and Suspension (CCP) _____ 150		
Total: 1050 clock hours		Total: 1050 clock hours

OCP Table – Automotive Service Technician CCP (5463) (1050 hours)			
OCP Points	Course	Title	Clock Hours
A – Automotive Services Assistor	AER0033	Employability Skills	60
	AER0001	Introduction to Automotive Industry, Safety, and Tools	60
	AER0012	Fundamentals of Automotive Services	100
	AER0199 AER0196	Engine Repair	80
B – Automotive Brake System Technician	AER0410	Brake Systems	75
	AER0451	Steering, Suspensions and Alignments	75
C – Automotive Suspension and Steering Technician	AER0250	Automatic Transmissions	70
	AER0271	Manual Drivetrain and Axles	80
D – Automotive Electrical and Electronic Technician	AER0601	Electrical and Electronic Systems 1	80
	AER0603	Electrical and Electronic Systems 2	70
	AER0830	Engine Performance 1	80
	AER0851	Engine Performance 2	70
E – A/C and Practice	AER0170	Heating and Air Conditioning	70
	AER0940L	Automotive Work-based Learning and Practice	80
		Total	1050

Discussion: [1:57-1:58] Confirmed length of program – 41 weeks.

Data sources consulted: Curriculum Support Documents

Action: Motion to approve Automotive Service Technician CCP program revision – J. Brownlee; 2nd S. Hammond; All in favor; **Motion approved.**

No SCNS Action

Courses (and Course Numbers) SCNS Approved

6. Revised Program - **Automotive Repair Technician CCP** (title was: ~~Automotive Maintenance and Light Repair Technician CCP~~) **FA**

Presenter: Eligio Marquez

Effective: Summer 2022

CIP Code: 0647060422 (Federal: 47.0604)

Cluster Approved: 10/28/2020

Total Clock Hours: 600 **Program Code:** 5451

Business Partnership Council Approved: 5/13/2021

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Length: 32 weeks/night

Access: Controlled Access program

Assigned Curriculum Reviewers: Gilberto Castaneda, Angela Adame-Smith, Joseph Brownlee

CC Representative: Eligio Marquez

Justification: This program is being offered in the evenings. The class is currently running. If the program course changes are approved, they would start in Summer of 2022. The name change is based on the recommendation of the ASE-EF advisory committee to be a more attractive name eliminating the words “maintenance” and “light” which have been creating confusion to students. This was mentioned to the instructors and to me directly by the students. The course changes are to mirror the changes in the AST-5463 program to have most of the same classes giving the opportunity to students to return during the day and take the classes that were not in the evening program. This was also recommended by the ASE-EF advisory committee. I am also including this program to be able to be offered on the Belle Glade (BG) campus as another short program alternative.

Institutional Learning Outcomes: Communication, Critical Thinking, and STEM

Delivery: F2F, Lake Worth, Belle Glade

Program Description: ~~The Automotive Maintenance and Light Repair Program~~ This program will provide students with prepare the knowledge and skills needed to obtain employment as an participant for entry-level technician employment in the automotive industry service field. ~~This 600-hour program employs theory and laboratory work to cover a broad range of entry-level skills that will provide a solid foundation~~ Hands-on training in the automotive industry labs is supplemented with the theory in the classroom to give the student a full understanding of workplace practice, safety, and organization. This program covers all basic aspects of the 8 ASE areas, giving the student the opportunity to gain knowledge for any entry-level position. ASE Education Foundation Entry Level curriculum prepares learners for 8 entry-level certification exams included in the program. Additionally, the program prepares students for the professional level ASE certification exams. This is an ASE Education Foundation Accredited Training Program.

www.aseeducationfoundation.org/

Admission Requirements:

1. No high School diploma or GED is required. (To be eligible to receive federal student aid, you must: Have a high school diploma or a General Education Development (GED) certificate, or have completed homeschooling)
2. Complete an application for admission, located at <http://www.palmbeachstate.edu/admissions/Admissions-Applications>
3. Take the TABE exam, if not exempt from TABE testing. To determine if you are exempt, please go to www.palmbeachstate.edu/academic-services/curriculum-and-programs/TABE-Standards
4. Send request for official high school transcripts, GED, or validated foreign equivalent to the Admissions Office.
5. Attend a program information session and meet with the program advisor. (www.palmbeachstate.edu/information-sessions/)

Automotive Repair Technician CCP (5451) (600 hours)					
Course #	Title	Clock Hours	Course #	Title	Clock Hours
Term One - Fall (Year One) (Clock Hours: 450)			Term One - Fall (Year One) (Clock Hours: 450 300)		

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AER0025 Maintenance and Light Repair Technician 1 (CCP) — 150	AER0001 Introduction to Automotive Industry, Safety, and Tools 60
AER0026 Maintenance and Light Repair Technician 2 (CCP) — 150	AER0601 Electrical and Electronic Systems 1 80
AER0027 Maintenance and Light Repair Technician 3 (CCP) — 150	AER0199 AER0196 Engine Repair 80
	AER0830 Engine Performance 1 80
Term Two – Spring (Year One) (Clock Hours: 150)	Term Two – Spring (Year One) (Clock Hours: 150 300)
AER0028 Maintenance and Light Repair Technician 4 (CCP) — 150	AER0410 Brake Systems 75
	AER0451 Steering, Suspensions, and Alignments 75
	AER0170 Heating and Air Conditioning 70
	AER0270 Fundamentals of Automotive Drivetrains 80
Total: 600 clock hours	Total: 600 clock hours

OCP Table – Automotive Repair Technician CCP (5451) (600 hours)			
OCP Points	Course	Title	Clock Hours
A – Maintenance and Light Repair Technician	AER0001	Introduction to Automotive Industry, Safety, and Tools	60
	AER0601	Electrical and Electronic Systems 1	80
	AER0199 AER0196	Engine Repair	80
	AER0830	Engine Performance 1	80
	AER0410	Brake Systems	75
	AER0451	Steering, Suspensions and Alignments	75
	AER0170	Heating and Air Conditioning	70
	AER0270	Fundamentals of Drivetrain Systems	80
	Total		600

Discussion: No further discussion.

Data sources consulted: Curriculum Support Documents

Action: Motion to approve Automotive Repair Technician CCP program revision- C. Thompson; 2nd J. Brownlee; All in favor; **Motion approved.**

No SCNS Action.