

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

Legend: **FA** - Possible Financial Aid Action Warranted
Changes are highlighted in **yellow**

WELCOME

I. APPROVAL OF MINUTES OF OCTOBER 24, 2019

Discussion:

Data sources consulted: Minutes

Action:

II. FOR YOUR INFORMATION

A. CCE/Avocational

B. VPAA Action/ DBOT Actions

1. Removal of **courses not taught in the last five years (Five Year Rule courses)** (DBOT policy 6Hx-18-2.08) DBOT Minutes: 9/10/2019
2. Authorize the testing fee modifications for Capstone Experience Entrepreneurship (ENT4900); Capstone Experience General Management (GEB4935) and Capstone Experience Health Management (HSA4938). **Peregrine Testing Examination Fees**- an external assessment of the Bachelor Applied Science Program and requirement to maintain the Accreditation Council of Business Schools and Programs (ACBSP) accreditation. (No Fiscal Impact; Pass-through fee). DBOT Minutes: 9/10/2019

C. Minutes Corrections

1. 9/26/19 V.E.1.: Construction Materials and Methods (BCN 1230) should be **Building** Construction Materials and Methods (BCN 1230).
2. 9/26/19 V.E.1.: **Building** Construction Drawing 1 (BCN 1251) should be Construction Drawings 1 (BCN 1251).
3. 9/26/19 V.E.1.: Building Codes (BCN 1760) should be Building Codes **and Ordinances** (BCN 1760).
4. 9/26/19 V.E.1.: **Building** Construction Drawings 2 (BCN2253) should be Construction Drawing 2 (BCN 2253).
5. 9/26/19 V.E.1.: Construction Documents course submitted as BCN1706, approved as **BCT1706**.
6. 9/26/19 V.E.1.: Construction Estimating course submitted as BCN1770, approved as **BCT1770**.
7. 9/26/19 V.E.1.: Construction Surveying course submitted as BCN2054, approved as **BCT2054 Construction Surveying Methods**.
8. 9/26/19 V.E.1.: Sustainability course submitted as BCN2040, approved as **BCT2040 Sustainable Construction**.
9. 9/26/19 V.E.1.: Construction Materials and Methods course submitted as BCN2720, approved as **BCT2720 Construction Scheduling and Planning**.
10. 9/26/19 V.E.1.: Construction Internship course submitted as BCN2941, approved as **BCN2942 Building Construction Internship**.
11. 9/26/19 V.E.2.: Building Construction Management AS. The mathematics in the General Education requirements should be **MGF1106 Liberal Arts Mathematics** (3 credits) OR MAC 1105 College Algebra (3 credits).
12. 9/26/19 V.E.3.: Building Construction Specialist CCC. The Elective Courses should be repositioned to the Required Courses section and listed as follows: BCN1001, BCN1230, BCT1770, BCT2720, BCN1251, **MGF1106** or MAC1105. NOTE: BCN1760 is removed from the Certificate.

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

D. Housekeeping

1. 10/24/2019 Follow-up e-vote for Program Termination Business Administration and Management AS- Banking Concentration (2039C) and Program Termination Banking CCC (6117). An e-vote was conducted on November 19-20, 2019 and 9 responses were received. All in favor of the termination are as follows: P. Friedman; A. Adame-Smith; E. Marquez; C. Alexandre; A. Mullenax; M. Katz; J. Chong; T. Sellars; T. Collins. None against. **Motion approved.**

III. OLD BUSINESS - None

IV. NEW BUSINESS

Credits/Clock Hours

A. BACHELORS PROGRAMS

Cardiopulmonary Science BS (NEW)

2. New Courses

Presenter: Dr. Nancy Latimer

Assigned Curriculum Reviewers:

Traci Kirby, Trineshia Sellars and Juliett Tracey

Effective: August 2020

Cluster Approved: 10/23/18

Business Partnership Council Approved: 3/24/2017

	Course Number	Title	Course Information	Prerequisites
a.	HSC3243	Teaching Skills for Health Professionals	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
b.	RET3050	Evidence Based Medicine in Respiratory Care	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
c.	RET3287	Cardiopulmonary Diagnostics	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
d.	RET3354	Medical Pharmacology	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
e.	HSA4184	Leadership and Management in Healthcare	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
f.	RET3536	Cardiopulmonary Rehabilitation	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

g.	RET4034	Problems in Patient Management	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
h.	RET4505	Chest Medicine	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
i.	HSC4652	Health Care Ethics	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
j.	RET4524	Patient Education and Disease	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
k.	RET4715	Advanced Neonatal Medicine	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program
l.	RET4933	Selected Topics in Cardiopulmonary Science (Capstone)	3 credits (48 contact hours); AW Grading Scale; Enrollment limited to Cardiopulmonary Science BS program code	Admission into Cardiopulmonary Science Program

3. New Program

Effective: August 2020 FA

Bachelor of Science in Cardiopulmonary Science (NEW)

CIP Code: 51.0908

Credits: 120

Presenter: Dr. Nancy Latimer

Assigned Curriculum Reviewers:

Traci Kirby

Trineshia Sellars

Juliett Tracey

Cluster Approved: 10/23/18

Business Partnership Council Approved: 3/24/2017

Deans Council Step 1 Approval: 9/6/2018

Deans Council Step 2 Approval: 10/4/2018

President's Cabinet Approval: 10/18/2018

District Board of Trustees Approval: 5/14/2019

Approved by IRE: 11/13/18

Course Prefix/Number	Title	Credit Hours
AS Degree in Respiratory Care (RET courses)		46 Credits
General Education Requirements-38 credits required		
AREA I – Communications- 9 Credits		
ENC 1101	College Composition 1	3
ENC 1102	College Composition 2	3
SPC 1017	Fundamentals of Speech Communication	3

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

AREA II – Humanities - 6 Credits		
	Any course from Tier 1	3
	Any course from Tier 2	3
AREA III – Mathematics 6 Credits		
	Any course from Mathematics - Area III with the MAC, MAP or MAS prefix	3
STA2023	Statistics	3
AREA IV – Natural Sciences- 11 Credits		
BSC2085	Anatomy and Physiology 1	3
BSC2085L	Anatomy and Physiology 1 Lab	1
MCB2010	Microbiology	3
MCB2010L	Microbiology Lab	1
CHM1032	Principles of Chemistry (or higher-level Chemistry)	3
AREA V – Social Science- 6 Credits		
SYG2000	Introduction to Sociology	3
AMH2020 or POS1041	US History from 1865 to present or Introduction to American Government	3
Required Upper Level Courses		
RET 3050	Evidence Based Medicine in Respiratory Care	3 Credits
RET 3287	Cardiopulmonary Diagnostics	3 Credits
RET 3354	Medical Pharmacology	3 Credits
RET 3536	Cardiopulmonary Rehabilitation	3 Credits
RET 4034	Problems in Patient Management	3 Credits
RET 4505	Chest Medicine	3 Credits
RET 4524	Patient Education and Disease Management	3 Credits
RET 4715	Advanced Neonatal Medicine	3 Credits
RET 4933	Selected Topics in Cardiopulmonary Science	3 Credits
HSC 3243	Teaching Skills for Health Professions	3 Credits
HSC 4652	Health Care Ethics	3 Credits
HSA 4184	Leadership and Management in Healthcare	3 Credits
Total General Education Courses		38
Total Required Upper Level Courses		36
Total Respiratory Care Core		46
Total Program Credits		120

Justification: There is a growing demand for Registered Respiratory Therapist in our region with 16% growth or 464 positions projected by 2023. A more important factor is the recent change in the professional guidelines as of January 1, 2018, the American Association for Respiratory Care (AARC) and the Commission on Accreditation for Respiratory Care (CoARC) require that all programs applying for accreditation must award a minimum of a baccalaureate degree. The professions goal is for 80% of the current Respiratory Therapists to have earned their degree by 2020. Additionally, the Florida Society for Respiratory Care (FSRC), Florida Respiratory Leadership Network (FRLN), and the Florida Hospital Association (FHA) formed an Ad Hoc Committee to work

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

towards improving patient care by 1) Mandating the Registered Respiratory Therapist (RRT) Credential become the new entry level standard. 2) Require all Respiratory Therapists hold a Baccalaureate degree or higher. 3) Establish an Advanced Level Practitioner designation.

Offering a Baccalaureate degree in Respiratory Therapy (BSRT) at Palm Beach State College is essential to providing Registered Respiratory Therapists (RRT), who have an Associate of Science degree in Respiratory Care from a CoARC accredited program and regionally accredited institution, an economical opportunity to keep pace with the advancement of the profession and meet the new professional requirements. It is also important to note that the majority of our graduates stay and are employed in our regional area.

Implications: None found.

Discussion:

Data sources consulted: Curriculum Support Documents
Review Request sent to Office of the Registrar / Office of Financial Aid: 11/27/2019

Action:

Human Services BS (NEW)

4. New Courses

Presenter: Dr. Suzie Duff

Assigned Curriculum Reviewers:

Dr. Sabrina Greenwell, Marcy Katz and Eligio Marquez

Effective: August 2020

Cluster Approved: 3/1/2017

Business Partnership Council Approved: 8/20/2019

	Course Number	Title	Course Information	
a.	HUS3201	Advanced Group Dynamics	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisite: HUS1200 OR HUS1423 with a grade of C or higher
b.	HUS3304	Intra and Interpersonal Techniques	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisites: HUS1001 and HUS1302 with a grade of C or higher
c.	HUS3323	Crisis Intervention	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisite: HUS1001 with a grade of C or higher
d.	HUS3340	Trauma ad Post Traumatic Stress Disorder	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisites: CLP2140, HUS2308 OR PSY 2012 with a grade of C or higher
e.	HUS3351	Family Systems and Dynamics	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisites: PSY2012 and HUS1001 with a grade of C or higher
f.	HUS3505	Ethics in Human Services	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisite: HUS1001 with a grade of C or higher

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

g.	HUS3650	Administration in Human Services	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisite: HUS1001 with a grade of C or higher
h.	HUS4321	Case Management and Problem Solving	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisite: HUS1001 with a grade of C or higher
i.	HUS4352	Multicultural Perspectives in Mental Health	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisites: HUS1001 and PSY2012 with a grade of C or higher
j.	HUS4462	Gender Issues in Treatment and Recovery	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisites: PSY2012, HUS4321 and HUS4352 all with a grade of C or higher
k.	HUS4700	Diagnosis and Treatment Planning in Human Services	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisites: PSY2012 and HUS3304 with a grade of C or higher
l.	HUS4722	Research Methods in Human Services	3 credits (48 lecture contact hours); AW Grading Scale	Prerequisites: PSY2012, HUS3505 and HUS3560 all with a grade of C or higher
m.	HUS4940C	Internship in Human Services	3 credits (16 lecture/144 lab contact hours); AW Grading Scale	Prerequisites: HUS3323, HUS4352, HUS3650 and HUS3201 all with a grade of C or higher
n.	HUS4945C	Capstone – Advanced Internship in Human Services	3 credits (16 lecture/144 lab contact hours); AW Grading Scale	Prerequisites: HUS3304, HUS3505, HUS4321, HUS3323, HUS4352, HUS3650, HUS3340, HUS3201, HUS4462, HUS4700, HUS3351, HUS4940C – all with a grade of C or higher. Corequisite: HUS4722 (B) with a grade of C or higher

5. New Program

Effective: August 2020

FA

Bachelor of Science in Human Services (NEW)

CIP Code: 44.0000

Credits: 120

Presenter: Dr. Suzie Duff

Assigned Curriculum Reviewers:

Dr. Sabrina Greenwell

Marcy Katz

Eligio Marquez

Cluster Approved: 8/20/2019

Business Partnership Council Approved: 3/1/2017

Deans Council Step 1 Approval: 8/2/2018

Deans Council Step 2 Approval: 2/7/2019

Presidents Council Approval: 2/11/2019

District Board of Trustees Approval: 5/14/2019

Approved by IRE: August 2019

Course Prefix/Number	Title		Credit Hours
Associates degree required			60 credits
A.A. degree students -			
Specialization in Human Services – 18 credits			
	HUS1001	Introduction to Human Services	3 credits
	PSY2012	General Psychology	3 credits

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	SYG2430	Marriage and Family	3 credits
	HUS1200	Principles and Group Dynamics	3 credits
	SYG2361	Death and Dying	3 credits
	HUS1302	Counseling and Interviewing	3 credits
Specialization in Youth Development – 18 credits			
	HUS1001	Introduction to Human Services	3 credits
	HUS1640	Principles of Youth Work	3 credits
	HUS1620	Principles and Best Practices in Afterschool Programs	3 credits
	DEP2004	Human Growth and Development	3 credits
	PSY2012	General Psychology	3 credits
	SYG2010	American Social Problems	3 credits
Specialization in Addiction Studies – 18 credits*			
	HUS1302	Counseling and Interviewing	3 credits
	HUS1421	Assessment and Treatment Planning in Addictions	3 credits
	HUS1423	Group Counseling in Substance Abuse	3 credits
	HUS1424	Counseling the Chemically Dependent Person	3 credits
	HUS1440	Family Issues in Chemical Dependency	3 credits
	HUS1450	Dual Diagnosis	3 credits
	HUS1001*	Introduction to Human Services*	3 credits
	PSY2012*	General Psychology*	3 credits
<i>* These two courses should be taken within the AA degree to stay within 120 credits.</i>			
OR			
A. S. degree students -	General Education courses- 18 credits		
	ENC1102	College Composition	3 credits
	AMH 2020 OR POS1041	US History from 1865 to present OR Introduction to American Government	3 credits
		Math course from Tier 1	3 credits
		Natural Science course from Tier 1	3 credits
		Natural Science course from Tier 2	3 credits
		Humanities course from Tier 1	3 credits
Required Courses – 42 credits required			
HUS3201	Advanced Group Dynamics		3 Credits
HUS3304	Intra and Interpersonal Techniques		3 Credits
HUS3323	Crisis Intervention		3 Credits
HUS3340	Trauma and Post Traumatic Stress Disorder		3 Credits
HUS3351	Family Systems and Dynamics		3 Credits

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

HUS3505	Ethics in Human Services			3 Credits	
HUS3650	Administration in Human Services			3 Credits	
HUS4321	Case Management and Problem Solving			3 Credits	
HUS4352	Multicultural Perspectives in Mental Health			3 Credits	
HUS4462	Gender Issues in Treatment and Recovery			3 Credits	
HUS4700	Diagnosis and Treatment Planning in Human Services			3 Credits	
HUS4722	Research Methods in Human Services			3 Credits	
HUS4940C	Internship in Human Services			3 Credits	
HUS4945C	Capstone – Advanced Internship in Human Services			3 Credits	
Total General Education Courses		36			
Total Required Courses	42	Associates + 18	18	Total Program Credits	120

Justification: The planning process for this program began in April 2017, with a student interest survey. Of the 179 responses, 168 students stated that they would like to stay at Palm Beach State College to complete their BS in Human Services. The most frequently used reasons were cost and location. The Human Services Business Partnership Council also expressed support for this proposed program, noting that most jobs in this field now require a baccalaureate degree. With this information, PBSC Social Science faculty and associate dean met with administrators at the Bachelors College, who expressed support. In January 2018, Human Services faculty presented the proposal to the President’s Cabinet (extended), who approved it to move forward.

With the assistance of IRE, the team conducted a detailed workforce and degree analysis for our region. According to the Florida Department of Economic Opportunity’s data on Area 21 (Palm Beach County), there were **2,778** jobs classified as “Community and Social Service Occupations” (21-0000) in 2018. Overall, “Community and Social Service Occupations” (21-0000) is expected to **add over 1,500** jobs just in Palm Beach County by 2026 (19.3%+) according to FDEO. According to the EMSI report for market area 33100 (Miami-Ft. Lauderdale-WPB), there are currently **1,388 job openings**; this is projected to grow for this region to **3,370** by 2023. According to the Florida Department of Economic Opportunity, “Substance Abuse and Behavioral Disorder Counselor” is the number one fastest growing job in Palm Beach County at the bachelor’s level, with a 32.62% growth projection from 2018-2026.

There is currently no public academic institution in this region with a baccalaureate program in human services. Nova Southeastern University produced 10 Human Services Bachelor’s degrees in 2017. Barry University also has a Human Services Bachelor’s program; however, it did not show up on the EMSI report as producing any graduates. Florida Atlantic University offers a bachelor’s in *social work*. While these graduates may compete for similar jobs, this is a different academic program/degree. There are over 250 substance abuse treatment centers licensed by the Department of Children and Families in Palm Beach County. There are also 94 after school programs operated by the Palm Beach County School District. A Veteran’s Administration hospital is centrally located in our service area. With a population of nearly 1.5 million people, Palm Beach County has a significant social service needs and hundreds of agencies of various sizes to serve this growing population. This includes a significant portion of disabled, elderly, mentally ill, and socio-economically needy residents who require services.

The proposal team formally submitted the Notice of Intent to the state on 4/23/2019 following meetings with FAU, Barry University, and other local stakeholders. There has been no opposition or modifications requested. The PBSC Board of Trustees officially approved this program proposal in Summer, 2019.

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

Implications: None found.

Discussion:

Data sources consulted: Curriculum Support Documents

Review Request sent to Office of the Registrar / Office of Financial Aid: 11/27/2019

Action:

B. TRADE AND INDUSTRY

Diesel Maintenance Technician PSAV (5452)

Presenter: Eligio Marquez

Effective: August 2020

Cluster Approval: N/A

1. New Courses

	Proposed Course Number	Proposed Course Title	Course Information
a.	DIM0155	Diesel Maintenance Service Technician 2 (150 clock hours)	150 clock hours; Prerequisite: DIM0154 with a grade of C or higher; Corequisites: VPI0100, VPI0200, VPI0300; Required Test Type: TABE; AN Grading Scale; Fee: Medical Accident Insurance

2. Revised Courses

Effective: August 2020

	Current Course Number	Current Title	Proposed Course Number	Proposed Course Title	Proposed changes
a.	DIM0153C	Diesel Maintenance Service Technician (300 clock hours)	DIM0154	Diesel Maintenance Service Technician 1 (150 clock hours)	Course title, Course description, clock hours (300 to 150), Remove prerequisite DIM0131 with a grade of C or higher.

3. Revised Program

Diesel Maintenance Technician PSAV (5452)

Clock Hours: 600

CIP Code: 0647060515

FA

Effective August 2020

Cluster Approval: N/A

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

Current Program List	Proposed Program Course List
DIM0101 Diesel Engine Mechanic/Technician Helper (150)	DIM0101 Diesel Engine Mechanic/Technician Helper (150)
DIM0131 Diesel Air Brakes Technician (150)	DIM0131 Diesel Air Brakes Technician (150)
DIM0153 Diesel Maintenance Service Technician (300)	DIM0154 Diesel Maintenance Service Technician 1 (150)
	DIM0155 Diesel Maintenance Service Technician 2 (150)

OCP Layout

<i>PSAV Program Title: Diesel Maintenance Technician</i>	<i>PSAV Program Title: Diesel Maintenance Technician</i>
Required Courses-	Required Courses-
OCP Title/Letter- A	OCP Title/Letter- A
Courses DIM0101 Diesel Engine Mechanic/Technician Helper (150)	Courses DIM0101 Diesel Engine Mechanic/Technician Helper (150)
OCP Title/Letter- B	OCP Title/Letter- B
Courses DIM0131 Diesel Air Brakes Technician (150)	Courses DIM0131 Diesel Air Brakes Technician (150)
OCP Title/Letter- C	OCP Title/Letter- C
Courses DIM0153 Diesel Maintenance Service Technician (300)	Courses DIM0154 Diesel Maintenance Service Technician 1 (150)
OCP Title/Letter-	OCP Title/Letter- C
Courses	Courses DIM0155 Diesel Maintenance Service Technician 2 (150)

Justification: The DMT program is offered during the day and the evenings. The program creates an issue with scheduling the classes in the semester without crossing terms. This course needs to be divided in order to accommodate the college scheduling system. The 300-clock hours course will be crossing terms in the evenings. This is not allowed. This course needs to be divided in 150 clock-hours to be able to fit terms per meeting with Dr. Peterson.

Implications: DIM0153 – last term offered Spring 2020. DIM0154, DIM0155 replace DIM0153 effective Fall 2020. IRE has reported no implications with reporting; the change is necessary with the transition to WorkDay. Office of the Registrar has reported no implications with the changes. Office of Financial Aid has reported that without this change students may not receive financial aid that may otherwise be awarded.

Discussion:

Data sources consulted: Curriculum Support Documents
Review Request sent to Office of the Registrar / Office of Financial Aid: 11/27/2019

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

Action:

4. **Revised Courses**
Automotive Service Technology PSAV (5458A)

Effective: August 2020
Cluster Approval: 8/20/2019

Course Number	Title and Pre/corequisites		Current CLOs	Proposed CLOs
a. AER0014	Introduction to Automotive Services		<ul style="list-style-type: none"> • Identify and locate the most important parts and components of a vehicle and describe their purposes. • Demonstrate proficiency in the equipment skills and safety regulations relating to the automotive industry. • Describe the type of skills needed to become a certified automotive service technician. • Remove select and install gaskets, seals, fasteners, and sealants correctly. • Identify common automotive tools. • Use automotive tools and lifting equipment safely. • Read and interpret measuring devices such as rules, tapes, vernier calipers, micrometers and dial indicators. • Demonstrate proficiency in basic sciences and math related to the automotive industry. • Demonstrate proficiency in the routine maintenance and consumer services. 	<ul style="list-style-type: none"> • Demonstrate required shop and personal safety tasks relating to the automotive industry. • Perform required tasks associated with the proper use and handling of tools and equipment relating to the automotive industry. • Prepare vehicles for routine pre/post maintenance and customer services.
<i>Current Outcomes</i>		<i>Proposed Outcomes</i>		
Critical Thinking; Ethics; Global Awareness		Communications, Mathematics, Critical Thinking; Ethics		
<i>Current Assessments</i>		<i>Proposed Assessments</i>		
None		Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments		
b. AER0199	Automotive Engine Repair		<ul style="list-style-type: none"> • Demonstrate proficiency in engine repair general engine diagnosis, and removal and installation. • Demonstrate proficiency in engine repair cylinder head and valve train diagnosis and repair. • Demonstrate proficiency in engine repair engine block diagnosis and repair. • Demonstrate proficiency in engine repair lubrication and cooling systems diagnosis and repair. 	<ul style="list-style-type: none"> • Explain the operation of engines, cylinder heads, valve train, engine block, lubrication and cooling systems. • Service engine, lubrication, and cooling systems.
<i>Current Prerequisite</i>		<i>Proposed Prerequisite</i>		
None		AER0692 with a C or higher		
<i>Current Corequisites</i>		<i>Proposed Corequisites</i>		
AER0692 with a C or higher; VPI series		VPI series		
<i>Current Outcomes</i>		<i>Proposed Outcomes</i>		
Communications; Ethics; Information Literacy		Communications, Mathematics, Critical Thinking ; Ethics		
<i>Current Assessments</i>		<i>Proposed Assessments</i>		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments		
c.	AER0299	Automotive Automatic Transmissions and Transaxles	<ul style="list-style-type: none"> • There are no Course Learning Outcomes defined for this course. • Demonstrate proficiency in automatic transmission and transaxle general diagnosis. • Demonstrate proficiency in transmission and transaxle maintenance and adjustment. • Demonstrate proficiency in in-vehicle transmission and transaxle repair. • Demonstrate proficiency in off-vehicle transmission and transaxle repair, removal, disassembly and reinstallation. • Demonstrate proficiency in off-vehicle transmission and transaxle repair of oil pump and converter. • Demonstrate proficiency in off-vehicle transmission and transaxle repair of gear train, shafts, bushings, and case. • Demonstrate proficiency in off-vehicle transmission and transaxle repair of friction and reaction units. 	<ul style="list-style-type: none"> • Explain the operation of automatic transmissions and transaxles. • Perform service procedures for automatic transmissions, as specified by the manufacturer.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	None	AER0692 with a C or higher		
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
	AER0692 with a C or higher; VPI series	VPI series		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications, Mathematics, Critical Thinking	Communications, Mathematics, Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		
	There are no Methods of Assessment for this course; Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments		
d.	AER0399	Automotive Manual Transmissions and Transaxles		
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	None	AER0692 with a C or higher		
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
	AER0692 with a C or higher; VPI series	VPI series		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications, Mathematics, Critical Thinking	Communications, Mathematics, Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments	<ul style="list-style-type: none"> • Demonstrate proficiency in manual drive train and axles drive axle diagnosis and repair: 1) ring and pinion gears and differential case assembly. • Demonstrate proficiency in manual drive train and axles drive axle diagnosis and repair: 2) limited-slip differential. • Demonstrate proficiency in manual drive train and axles drive axle diagnosis and repair: 3) drive axle shaft. • Demonstrate proficiency in four-wheel-drive/all-wheel drive component diagnosis and repair. 	differential assembly, limited slip, four-wheel drive, and all-wheel drive.
e.	AER0499 Automotive Steering and Suspension		<ul style="list-style-type: none"> • Demonstrate proficiency in steering systems diagnosis and repair. • Demonstrate proficiency in front suspension diagnosis and repair. • Demonstrate proficiency in rear suspension diagnosis and repair. • Demonstrate proficiency in suspension and steering systems diagnosis and repair, and miscellaneous service. • Demonstrate proficiency in suspension and steering wheel alignment diagnosis, adjustment, and repair. • Demonstrate proficiency in suspension and steering wheel and tire diagnosis and repair. 	<ul style="list-style-type: none"> • Diagnose concerns related to front and rear suspensions systems, wheel alignment, and wheels and tires. • Perform the required service/repair of wheels and tires, suspension and steering systems.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	None	AER0692 with a C or higher		
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
	AER0692 with a C or higher; VPI series	VPI series		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications, Mathematics, Critical Thinking	Communications, Mathematics, Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments		
f.	AER0599 Automotive Brake Systems		<ul style="list-style-type: none"> • Demonstrate proficiency in general brake system diagnosis • Demonstrate proficiency in hydraulic system diagnosis and repair. • Demonstrate proficiency in drum brake diagnosis and repair. • Demonstrate proficiency in power assist units diagnosis and repair. • Demonstrate proficiency in wheel bearing, parking brake and electrical diagnosis and repair. 	<ul style="list-style-type: none"> • Apply basic electrical concepts to automotive systems. • Perform the prescribed procedure for electrical/electronic system components including battery, lighting, gauges, horn, wiper/washer, and
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	None	AER0692 with a C or higher		
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
	AER0692 with a C or higher; VPI series	VPI series		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications, Mathematics, Critical Thinking	Communications, Mathematics, Critical Thinking; Ethics		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	<i>Current Assessments</i>	<i>Proposed Assessments</i>	<ul style="list-style-type: none"> • Demonstrate proficiency in antilock brake and traction control systems. • Demonstrate Proficiency in Vehicle Skid Control Systems. 	<p>accessory systems maintenance concerns.</p>	
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments			
g.	AER0691	Automotive Electrical and Electronic Systems 1		<ul style="list-style-type: none"> • Demonstrate proficiency in electrical/electronic systems general electrical systems diagnosis. • Demonstrate proficiency in electrical/electronic systems battery diagnosis and service. • Demonstrate proficiency in electrical/electronic systems starting system diagnosis and repair. 	<ul style="list-style-type: none"> • Apply basic electrical concepts to automotive systems. • Perform the prescribed procedure for electrical/electronic system components including battery, lighting, gauges, horn, wiper/washer, and accessory systems maintenance concerns.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>			
	None	AER0014 with a C or higher			
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>			
	AER0014 with a C or higher ; VPI series	VPI series			
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>			
	Communications, Ethics, Information Literacy	Communications, Mathematics, Critical Thinking , Ethics			
	<i>Current Assessments</i>	<i>Proposed Assessments</i>			
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments			
h.	AER0692	Automotive Electrical and Electronic Systems 2		<ul style="list-style-type: none"> • Demonstrate proficiency in electrical/ electronic systems charging system diagnosis and repair. • Demonstrate proficiency in electrical/ electronic systems lighting system diagnosis and repair. • Demonstrate proficiency in electrical/ electronic systems gauges, warning devices, and driver information systems diagnosis and repair. • demonstrate proficiency in electrical/ electronic systems horn and wiper/washer diagnosis and repair. • Demonstrate proficiency in electrical/electronic systems accessories diagnosis and repair. 	<ul style="list-style-type: none"> • Diagnose electrical/electronic system components including starting, charging, and warning devices, driver information, and accessory systems. • Perform required repairs of automotive electrical/electronic systems.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>			
	None	AER0691 with a C or higher			
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>			
	AER0691 with a C or higher ; VPI series	VPI series			
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>			
	Communication; Mathematics; Critical Thinking	Communications, Mathematics, Critical Thinking; Ethics			
	<i>Current Assessments</i>	<i>Proposed Assessments</i>			

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments	<ul style="list-style-type: none"> • Demonstrate proficiency in the use of an automotive scanner for diagnosis. • Demonstrate proficiency in the reading and interpreting of wiring diagrams and symbols. • Demonstrate proficiency in the use of special equipment for diagnosing and repairs. 	
i.	AER0759	Automotive Heating and Air Conditioning	<ul style="list-style-type: none"> • Demonstrate proficiency in a/c system diagnosis and repair. • Demonstrate proficiency in refrigeration system component diagnosis and repair of compressor and clutch. • Demonstrate proficiency in refrigeration system component diagnosis and repair of evaporator, condenser, and related components. • Demonstrate proficiency in heating, ventilation, and engine cooling systems diagnosis and repair. • Demonstrate proficiency in operating systems and related controls diagnosis and repair. • Demonstrate proficiency in refrigerant recovery, recycling, and handling. 	<ul style="list-style-type: none"> • Diagnose concerns related to HVAC systems. • Perform the required service/repair of heating and air conditioning, refrigeration, compressors, compressor clutches, evaporators, receiver driers, accumulators, condensers, heating and engine cooling, and related control systems. • Employ EPA mandated refrigerant recovery, recycling, and handling practices.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	None	AER0692 with a C or higher		
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
	AER0692 with a C or higher; VPI series	VPI series		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communication; Mathematics; Critical Thinking	Communications, Mathematics, Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments		
j.	AER0891	Automotive Engine Performance 1	<ul style="list-style-type: none"> • Demonstrate proficiency in engine performance general engine diagnosis. • Demonstrate proficiency in engine performance computerized engine controls diagnosis and repair. • Demonstrate proficiency in engine performance ignition system diagnosis and repair. • Demonstrate proficiency and proper use of diagnostic equipment. 	<ul style="list-style-type: none"> • Diagnose concerns related to vehicle ignition, fuel, air induction, and exhaust systems. • Service vehicle ignition, fuel, air induction, and exhaust systems.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	None	AER0692 with a C or higher		
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
	AER0692 with a C or higher; VPI series	VPI series		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communication; Mathematics; Critical Thinking	Communications, Mathematics, Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments		
k.	AER0892	Automotive Engine Performance 2	<ul style="list-style-type: none"> • Demonstrate proficiency in engine performance fuel, air induction and exhaust systems diagnosis and repair. • Demonstrate proficiency in engine performance emissions control systems diagnosis and repair in positive crankcase ventilation. • Demonstrate proficiency in engine performance emissions control systems diagnosis and repair in exhaust gas recirculation. • Demonstrate proficiency in engine performance emissions control systems diagnosis and repair in exhaust gas treatment. • Demonstrate proficiency in engine performance emissions control systems diagnosis and repair in evaporative emissions controls. • Demonstrate proficiency in engine performance engine related service. 	<ul style="list-style-type: none"> • Diagnose concerns related to vehicle computerized engine and emission controls. • Service vehicle emissions control systems.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	None	AER0891 with a C or higher		
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
	AER0891 with a C or higher; VPI series	VPI series		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communication; Ethics; Information Literacy	Communications, Mathematics, Critical Thinking ; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final exam; Other- Task Assignments		

5. Revised Program

Automotive Service Technology PSAV (5458A)

Clock Hours: 1800

CIP Code: 0647060405

Effective: August 2020

Cluster Approval: 8/20/2019

Approved by IRE: 8/1/19 (follow up requested)

Revised Program Learning Outcomes

	Proposed ILOs	Proposed Measures	Proposed Program Outcomes
a.	Communication, Mathematics, Critical Thinking, Ethics	Written Exam and SP2 tests	Apply safety and pollution prevention measures in an automotive-specific industrial setting.
b.	Communication, Mathematics, Critical Thinking, Ethics	Interpret manufacturer's specification and perform prescribed procedures utilizing	Utilize computerized manuals to diagnose automotive system issues based on customer concerns.

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

		computerized manuals for diagnose and repair based on customer complaint	
c.	Communication, Mathematics, Critical Thinking, Ethics	ASE Education Foundation Entry-Level Task List and standards	Service vehicles according to manufacturer's specifications.
d.	Communication, Mathematics, Critical Thinking, Ethics	ASE Education Foundation Entry-Level Task List and standards	Perform manufacturer prescribed repairs/replacement of automotive system components.
e.	Communication, Mathematics, Critical Thinking, Ethics	Written exam, ASE Education Foundation Standards 7.9 and 7.10/ Florida Ready to Work Program	Demonstrate trade-specific employability skills related to communication, critical thinking, and ethics.

Justification: Revision to PLOs to reduce redundancy.

Implications: Revised course sequence per 10/24/19 Curriculum Minutes.

Discussion:

Data sources consulted: Curriculum Support Documents
Review Request sent to Office of the Registrar / Office of Financial Aid: 11/27/2019

Action:

6. Revised Courses
Diesel Service Technology PSAV (5457A)

Effective: August 2020
Cluster Approval: 8/20/2019

a.	DIM0004	Introduction to Diesel Technology	<ul style="list-style-type: none"> Identify shop organization, management, and safety requirements. Demonstrate infection control procedures and general shop safety. Identify the basic diesel components and functions. Demonstrate the use of basic tools and equipment. 	<ul style="list-style-type: none"> Demonstrate required shop and personal safety tasks relating to the diesel industry. Perform required tasks associated with the proper 		
	<i>Current Outcomes</i>				<i>Proposed Outcomes</i>	
	Communications; Ethics; Information Literacy				Communications; Mathematics, Critical Thinking, Ethics	
	<i>Current Assessments</i>		<i>Proposed Assessments</i>			

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group participation ; Comprehensive Final Exam; Other- Task Assignments	<ul style="list-style-type: none"> • Demonstrate workplace communication skills. • Apply math skills to diesel technology tasks. • Apply scientific principles common to diesel technology operations. • Demonstrate shop and occupational procedures. • Identify principles, assemblies, and systems of engine operation. • Demonstrate employability skills for diesel technology occupations. • Identify entrepreneurial opportunities in the diesel technology industry. • Demonstrate the qualifications for employment. 	<p>use and handling of tools and equipment relating to the automotive industry. Identify basic diesel components and functions.</p> <ul style="list-style-type: none"> • Prepare vehicles for routine maintenance, pre/post inspection, and customer services. • Demonstrate workplace employability skills related to personal standards and work habits/ethics. 	
b.	DIM0006	Diesel Engine Systems 2		<ul style="list-style-type: none"> • Demonstrate proficiency in diagnosis and repair of diesel engine fuel systems. • Demonstrate proficiency in diagnosis and repair of diesel mechanical fuel injection systems. • Demonstrate proficiency in diagnosis and repair of diesel electronic fuel management systems. • Demonstrate proficiency in diagnosis and repair of diesel engine brake systems. 	<ul style="list-style-type: none"> • Diagnose diesel engine system issues. • Perform the prescribed tasks for repair of lubrication and cooling systems, air induction and exhaust systems, and engine brakes.
		<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
		None	DIM0302 with a C or higher		
		<i>Current Corequisites</i>	<i>Proposed Corequisites</i>		
		DIM0014 with a C or higher ; VPI series	VPI series		
		<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications; Ethics; Information Literacy	Communication; Mathematics ; Critical Thinking ; Ethics			
	<i>Current Assessments</i>	<i>Proposed Assessments</i>			
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments			
c.	DIM0007	Heavy Truck Brake Systems 1		<ul style="list-style-type: none"> • Identify the components of a truck air brake system. • Demonstrate shop and occupational safety procedures related to air brake service and repair. • Maintain, adjust and repair air brake systems. • Inspect, test and repair parking brake systems. 	<ul style="list-style-type: none"> • Diagnose hydraulic brake issues. • Repair hydraulic brake systems including power assist units, ABS and ATC systems.
		<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
		None	DIM0303 with a C or higher		
		<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
		Communications; Ethics; Information Literacy	Communication; Mathematics ; Critical Thinking ; Ethics		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

<i>Current Assessments</i>		<i>Proposed Assessments</i>			
Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam		Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments			
d. DIM0008	Heavy Truck Brake Systems 2			<ul style="list-style-type: none"> • Demonstrate proficiency in heavy truck brake system diagnosis. • Demonstrate proficiency in hydraulic system diagnosis and repair. • Demonstrate proficiency in air and hydraulic antilock brake systems (abs) and automatic traction control (atc). • Demonstrate proficiency in power assist units diagnosis and repair. 	<ul style="list-style-type: none"> • Identify air brake and wheel bearing issues. • Repair air brakes, parking brakes, and wheel bearings.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>			
	None	DIM0303 with a C or higher			
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>			
	DIM0007 with a C or higher ; VPI series	VPI series			
	<i>Current Outcomes</i>		<i>Proposed Outcomes</i>		
	Communications; Ethics; Information Literacy		Communication; Mathematics ; Critical Thinking ; Ethics		
	<i>Current Assessments</i>		<i>Proposed Assessments</i>		
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam		Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments		
e. DIM0014	Diesel Engine Systems 1				
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>			
	None	DIM0004 with a C or higher			
	<i>Current Corequisites</i>	<i>Proposed Corequisites</i>			
	DIM0004 with a C or higher ; VPI series	VPI series			
	<i>Current Outcomes</i>		<i>Proposed Outcomes</i>		
	Communications; Ethics; Information Literacy		Communication; Mathematics ; Critical Thinking ; Ethics		
	<i>Current Assessments</i>		<i>Proposed Assessments</i>		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments	<ul style="list-style-type: none"> • Demonstrate proficiency in diagnosis and repair of air induction and exhaust systems. 	<ul style="list-style-type: none"> • Identify basic diesel components and functions. • Prepare vehicles for routine maintenance, pre/post inspection, and customer services. • Demonstrate workplace employability skills related to personal standards and work habits/ethics.
f.	DIM0103	Preventive Maintenance Inspection	<ul style="list-style-type: none"> • Perform preventive maintenance inspection on a diesel engine system. • Perform preventive maintenance inspection on a heavy and medium truck fuel system. • Perform preventive maintenance inspection on a heavy truck and medium truck air induction and exhaust system. 	<ul style="list-style-type: none"> • Inspect engine and drive train systems and record findings. • Perform routine maintenance on a variety of truck systems.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	DIM0004 and DIM0008 with a C or higher	DIM0303 with a C or higher		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications; Ethics; Information Literacy	Communication; Mathematics ; Critical Thinking ; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

<p>Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam</p>	<p>Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation; Comprehensive Final Exam; Other- Task Assignments</p>	<ul style="list-style-type: none"> • Perform preventive maintenance inspection on a heavy and medium truck lubrication system. • Perform preventive maintenance inspection on a heavy and medium truck instruments and controls. • Perform preventive maintenance inspection on a heavy and medium truck safety equipment. • Perform preventive maintenance inspection on a heavy and medium truck heating, ventilation and air conditioning system. • Perform preventive maintenance inspection on a heavy and medium truck electrical and electronic systems. • Perform preventive maintenance inspection on a heavy and medium truck braking systems. • Perform preventive maintenance inspection on a heavy and medium truck drive train. • Perform preventive maintenance inspection on a heavy and medium truck suspension and steering system. • Perform preventive maintenance inspection on a heavy and medium truck tires and wheels. • Perform preventive maintenance inspection on a heavy and medium truck frame and fifth wheel. 					
g.	DIM0106	Hydraulic Systems	<ul style="list-style-type: none"> • Demonstrate proficiency in general hydraulic systems diagnosis and repair. • Demonstrate proficiency reading and understanding hydraulic schematics. • Diagnose and replace hydraulic pumps, valves, hydraulic motors, conductors (hoses) and connectors. • Demonstrate skills in checking and replacing hydraulic fluids and filters. 	<ul style="list-style-type: none"> • Diagnose hydraulic system failures. • Repair hydraulic systems and components including pump filtration/reservoirs, hoses, fittings, connections, control valves, and actuators. 			
	<table border="1"> <tr> <td data-bbox="321 1013 625 1047"><i>Current Prerequisite</i></td> <td data-bbox="625 1013 1020 1047"><i>Proposed Prerequisite</i></td> </tr> <tr> <td data-bbox="321 1047 625 1117">DIM0004 and DIM0008 with a C or higher</td> <td data-bbox="625 1047 1020 1117">DIM0303 with a C or higher</td> </tr> </table>	<i>Current Prerequisite</i>			<i>Proposed Prerequisite</i>	DIM0004 and DIM0008 with a C or higher	DIM0303 with a C or higher
<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>						
DIM0004 and DIM0008 with a C or higher	DIM0303 with a C or higher						
	<table border="1"> <tr> <td data-bbox="321 1117 625 1151"><i>Current Corequisites</i></td> <td data-bbox="625 1117 1020 1151"><i>Proposed Corequisites</i></td> </tr> <tr> <td data-bbox="321 1151 625 1221">DIM0201 with a C or higher; VPI series</td> <td data-bbox="625 1151 1020 1221">VPI series</td> </tr> </table>	<i>Current Corequisites</i>			<i>Proposed Corequisites</i>	DIM0201 with a C or higher ; VPI series	VPI series
<i>Current Corequisites</i>	<i>Proposed Corequisites</i>						
DIM0201 with a C or higher ; VPI series	VPI series						
	<table border="1"> <tr> <td data-bbox="321 1221 625 1255"><i>Current Outcomes</i></td> <td data-bbox="625 1221 1020 1255"><i>Proposed Outcomes</i></td> </tr> <tr> <td data-bbox="321 1255 625 1318">Communications; Ethics; Information Literacy</td> <td data-bbox="625 1255 1020 1318">Communication; Mathematics; Critical Thinking; Ethics</td> </tr> </table>	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>	Communications; Ethics; Information Literacy	Communication; Mathematics ; Critical Thinking ; Ethics		
<i>Current Outcomes</i>	<i>Proposed Outcomes</i>						
Communications; Ethics; Information Literacy	Communication; Mathematics ; Critical Thinking ; Ethics						
	<table border="1"> <tr> <td data-bbox="321 1318 625 1349"><i>Current Assessments</i></td> <td data-bbox="625 1318 1020 1349"><i>Proposed Assessments</i></td> </tr> <tr> <td data-bbox="321 1349 625 1349"></td> <td data-bbox="625 1349 1020 1349"></td> </tr> </table>	<i>Current Assessments</i>	<i>Proposed Assessments</i>				
<i>Current Assessments</i>	<i>Proposed Assessments</i>						

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments			
h.	DIM0201	Drive Train Systems	<ul style="list-style-type: none"> • Demonstrate proficiency in the diagnosis and repair of heavy duty truck clutch systems. • Demonstrate proficiency in servicing of standard and automatic transmissions. • Demonstrate proficiency in the removal and reinstallation of standard and automatic transmissions. 	<ul style="list-style-type: none"> • Diagnose truck transmission issues. • Repair transmissions, driveshafts, universal joints, and drive axles. 	
		<i>Current Prerequisite</i>			<i>Proposed Prerequisite</i>
		DIM0004 and DIM0008 with a C or higher			DIM0303 with a C or higher
		<i>Current Outcomes</i>			<i>Proposed Outcomes</i>
		Communications; Ethics; Information Literacy			Communication; Mathematics ; Critical Thinking ; Ethics
		<i>Current Assessments</i>			<i>Proposed Assessments</i>
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments			
i.	DIM0302	Electrical and Electronics Systems 1	<ul style="list-style-type: none"> • Demonstrate proficiency in electrical/electronic systems general electrical systems diagnosis. • Demonstrate proficiency in electrical/electronic systems battery diagnosis and service. • Demonstrate proficiency in electrical/electronic systems starting system diagnosis and repair. • Would you correct the database? 	<ul style="list-style-type: none"> • Diagnose general electrical system and battery issues. • Repair starting, charging, and lighting systems, gauges, and warning devices. 	
		<i>Current Prerequisite</i>			<i>Proposed Prerequisite</i>
		None			DIM0006 with a C or higher
		<i>Current Outcomes</i>			<i>Proposed Outcomes</i>
		Communications; Ethics; Information Literacy			Communication; Mathematics ; Critical Thinking ; Ethics
		<i>Current Assessments</i>			<i>Proposed Assessments</i>
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments			
j.	DIM0303	Electrical and Electronics Systems 2	<ul style="list-style-type: none"> • Demonstrate proficiency in electrical/electronic systems lighting system diagnosis and repair. 	<ul style="list-style-type: none"> • Diagnose codes and misfires using a scan tool 	
		<i>Current Prerequisite</i>			<i>Proposed Prerequisite</i>
		None			DIM0606 with a C or higher
		<i>Current Corequisites</i>			<i>Proposed Corequisites</i>

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

	DIM0302 with a C or higher; VPI series	VPI series	<ul style="list-style-type: none"> • Demonstrate proficiency in electrical/electronic systems gauges, warning devices, and driver information systems diagnosis and repair. • Demonstrate proficiency in electrical/electronic systems horn and wiper/washer diagnosis and repair. • Demonstrate proficiency in electrical/electronic systems accessories diagnosis and repair. • Demonstrate proficiency in electrical/electronic systems charging system diagnosis and repair. 	<ul style="list-style-type: none"> • Repair electrical/electronic systems as required by diagnosis.
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications; Ethics; Information Literacy	Communication; Mathematics; Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation; Comprehensive Final Exam; Other- Task Assignments		
k.	DIM0500	Truck Steering and Suspension	<ul style="list-style-type: none"> • Demonstrate proficiency in steering systems diagnosis and repair. • Demonstrate proficiency in suspension systems diagnosis and repair. • Demonstrate proficiency in wheel alignment diagnosis, adjustment and repair. • Demonstrate proficiency in frame service and repair. 	<ul style="list-style-type: none"> • Diagnose truck suspension, steering, and wheel and tire issues. • Repair steering system components, suspension systems, tires, frame, and coupling systems. • Perform wheel alignments and adjustments.
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	DIM0004 and DIM0008 with a C or higher	DIM0303 with a C or higher		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications; Ethics; Information Literacy	Communication; Mathematics; Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		
	Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation; Comprehensive Final Exam; Other- Task Assignments		
i.	DIM0610	Heating and Air Conditioning	<ul style="list-style-type: none"> • Demonstrate proficiency in a/c system diagnosis and repair. • Demonstrate proficiency in a/c system component diagnosis and repair of compressor and clutch. • Demonstrate proficiency in a/c system component diagnosis and repair of evaporator, condenser, and related components. 	<ul style="list-style-type: none"> • Diagnose concerns related to HVAC systems. • Perform the required service/repair of heating and air conditioning, refrigeration, compressors, compressor clutches, evaporators, receiver
	<i>Current Prerequisite</i>	<i>Proposed Prerequisite</i>		
	DIM0004 and DIM0008 with a C or higher	DIM0303 with a C or higher		
	<i>Current Outcomes</i>	<i>Proposed Outcomes</i>		
	Communications; Ethics; Information Literacy	Communication; Mathematics; Critical Thinking; Ethics		
	<i>Current Assessments</i>	<i>Proposed Assessments</i>		

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

Objective Tests; Studio/Lab Performance; Skill Demonstration; Comprehensive Final Exam	Objective Tests; Studio/Lab Performance; Skill Demonstration; Group Participation ; Comprehensive Final Exam; Other- Task Assignments	<ul style="list-style-type: none"> • Demonstrate proficiency in heating, ventilation, and engine cooling systems diagnosis and repair. • Demonstrate proficiency in operating systems and related controls diagnosis and repair. • Demonstrate proficiency in refrigerant recovery, recycling, and handling. 	<p>driers, accumulators, condensers, heating and engine cooling, and related control systems.</p> <ul style="list-style-type: none"> • Employ EPA mandated refrigerant recovery, recycling, and handling practices.
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7. Revised Program

Diesel Service Technology (5457A)
Clock Hours: 1800
CIP Code: 0647060501

Effective: August 2020
Cluster Approved: 8/20/2019
Approved by IRE: 8/1/19 (follow up requested)

Revised Program Learning Outcomes

	Proposed ILOs	Proposed Measures	Proposed Program Outcomes
a.	Communication, Mathematics, Critical Thinking, Ethics	Written Exam and SP2 tests	Apply safety and pollution prevention measures in an industrial setting specific to medium-heavy truck transportation.
b.	Communication, Mathematics, Critical Thinking, Ethics	Interpret manufacturer’s specification and perform prescribed procedures utilizing computerized manuals for diagnose and repair based on customer complaints.	Utilize computerized manuals to diagnose medium-heavy truck system issues based on customer concerns.
c.	Communication, Mathematics, Critical Thinking, Ethics	ASE Education Foundation Entry-Level Task List and standards	Service vehicles according to manufacturer’s specifications.
d.	Communication, Mathematics, Critical Thinking, Ethics	ASE Education Foundation Entry-Level Task List and standards	Perform manufacturer prescribed repairs/replacement of medium-heavy duty truck system components.
e.	Communication, Mathematics, Critical Thinking, Ethics	Written exam, ASE Education Foundation Standards 7.9 and 7.10/ Florida Ready to Work Program	Demonstrate trade-specific employability skills related to communication, critical thinking, and ethics.

Justification: Revision to PLOs to reduce redundancy.

Implications: Revised course sequence per 10/24/19 Curriculum Minutes.

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

Discussion:

Data sources consulted: Curriculum Support Documents

Review Request sent to Office of the Registrar / Office of Financial Aid: 11/27/2019

Action:

8. New Courses

Effective: August 2020

Marine Service Technology PSAV (5453)

	Proposed Course Number	Proposed Course Title	Course Information
a.	MTE0006	Marine Rigging Concepts	150 clock hours; Corequisites: VPI0100, VPI0200, VPI0300; Required Test Type: TABE; AN Grading Scale, Medical Accident Fee; Course Fee (#6 \$75.00)
b.	MTE0057	Inboard Diesel Engines Technician	150 clock hours; Corequisites: VPI0100, VPI0200, VPI0300; Required Test Type: TABE; AN Grading Scale, Medical Accident Fee; Course Fee (#6 \$75.00)
c.	MTE0095	Outboard Engine Technician	150 clock hours; Corequisites: VPI0100, VPI0200, VPI0300; Required Test Type: TABE; AN Grading Scale, Medical Accident Fee; Course Fee (#6 \$75.00)

9. Revised Courses

Effective: August 2020

	Current Course Number	Current Title	Proposed Course Number	Proposed Course Title	Proposed changes
a.	MTE0003	Marine Rigger	MTE0005	Introduction to Marine Service	Course title, Course description, clock hours (300 to 150)
b.	MTE0056	Inboard Diesel Engine	MTE0055	Inboard Engines	Course title, Course description, clock hours (300 to 150)
c.	MTE0090	Outboard Engine Technician	MTE0094	Outboard Engines	Course title, Course description, clock hours (300 to 150)
d.	MTE0074	Outboard and Inboard Engine Diagnostics Technician			Prerequisite from MTE0092 with a grade of C or higher to MTE0005 with a grade of C or higher
e.	MTE0092	Inboard Gas Engine Technician			Prerequisite from MTE 0056 with a grade of C or higher to MTE0055 with a grade of C or higher
f.	MTE0093	Drive Train Technician			Prerequisite MTE0003 with a grade of C or higher to MTE0005 with a grade of C or higher

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

10. Revised Program

Marine Service Technology PSAV (5453)

Clock Hours: 1350

CIP Code: 0647061611

Assigned Curriculum Reviewers: Allen Mullenax and Cynthia Alexandre

FA

Effective: August 2020

Cluster Approved: N/A

Current Program Title- Marine Service Technology PSAV (5453)			Proposed Program Title- Marine Service Technology PSAV (5453)		
Course Prefix Number	Title	Clock Hours	Course Prefix Number	Title	Clock Hours
MTE0003	Marine Rigger	300	MTE0005	Introduction to Marine Service	150
MTE0093	Drive Train Technician	150	MTE0006	Marine Rigger Concepts	150
MTE0056	Inboard Diesel Technician	300	MTE0093	Drive Train Technician	150
MTE0092	Inboard Gas Engine Technician	150	MTE0055	Inboard Engines	150
MTE0090	Outboard Engine Technician	300	MTE0057	Inboard Diesel Engines Technician	150
MTE0074	Outboard and Inboard Engine Diagnostic Technician	150	MTE0092	Inboard Gas Engine Technician	150
			MTE0094	Outboard Engines	150
			MTE0095	Outboard Engine Technician	150
			MTE0074	Outboard and Inboard Engine Diagnostic Technician	150
Total Clock Hours:		1350	Total Clock Hours:		1350

Justification: The MST program is offered during the day and the evenings. The program creates an issue with scheduling the classes in the semester without crossing terms. This course needs to be divided in order to accommodate the college scheduling system. The 300-clock hours course will be crossing terms in the evenings. This is not allowed. This course needs to be divided in 150 clock-hours to be able to fit terms per meeting with Dr. Peterson.

Implications: IRE has reported no implications with reporting; the change is necessary with the transition to WorkDay. Office of the Registrar has reported no implications with the changes. Office of Financial Aid has reported that without this change students may not receive financial aid that may otherwise be awarded.

Discussion:

Data sources consulted: Curriculum Support Documents

Review Request sent to Office of the Registrar / Office of Financial Aid: 11/27/2019

Action:

Palm Beach State College
Curriculum Committee Processing Agenda
December 5, 2019

V. CURRICULUM COMMITTEE BUSINESS

- A. General Education Council**
Discussion:
Action:
- B. Expansion of Curriculum Committee**
Discussion:
Action:
- C. Format of Agenda/Minutes**
Discussion:
Action:
- D. Curriculum Committee Manual**
Discussion:
Action:

VI. MOTION TO DISMISS ADMINISTRATIVE MEMBERS

- Discussion:
- Action:

2019-2020 Curriculum Actions

Actions	BAS/BS	AA	AS	ATC	ATD	CCC	PSAV	Dev. Ed	Totals
New Program	2	-	-	-	-	-	-	-	2
New Course	26	-	-	-	-	-	6	-	32
Revised Program	-	-	-	-	-	-	4	-	4
Revised Course	-	-	-	-	-	-	29	-	29
Deleted Program	-	-	-	-	-	-	-	-	-
Deleted Course	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-	-
Agenda Totals	28	-	-	-	-	-	39	-	67
Cumulative Total for AY 19-20	28	-	26	-	-	2	68	-	124