

PALM BEACH STATE COLLEGE CURRICULUM COMMITTEE AGENDA

April 28, 2022

The Curriculum Committee meetings will be held via Microsoft Teams virtual conference. College personnel are asked to contact Julie Sivigny sivigny@palmbeachstate.edu by Thursday at noon if they wish to attend but have not yet received the link.

Rev. 4/25/2022

Curriculum Development Session immediately following adjournment of curriculum agenda (time permitting).

***Appointed members (serving 2-year terms).**

| Curriculum Committee Members | | Area, (Years of Service), Campus | List of Presenters: | |
|-------------------------------|---------------------------------------|--|---------------------|---|
| 1 | Dr. Juliett Tracey – Chair | Business (4), LW | | Richard White, Assoc. Dean, Arts & Humanities |
| 2 | Trineshia Sellars – <i>Past Chair</i> | Chemistry/STEM (5)*, LW | | Dr. Jessica Miles, Environmental Science Technology |
| 3 | Dr. Angela Adame-Smith | Psychology/Social Sciences (1)*, BR | | Penny Knight, Chair, Medical Assisting |
| 4 | Joseph Brownlee | Mathematics/STEM (2), BR | | Zenaida Espinosa, Chair, Interior Design Technology |
| 5 | Gilberto Castaneda | Mathematics/STEM (1), BG | | Eligio Marquez, Industrial and Technical Programs Director |
| 6 | Dr. Carol Clarke | Nursing/Health Sciences (1), LW | | |
| 7 | Dr. Sabrina Greenwell | Education (1), LW | | List of Guests: |
| 8 | Scott Hammond | Computer Science/STEM (1), LW | | TBD |
| 9 | Eligio Marquez | Automotive/Trade and Industry (4)*, LW | | Standing Guests: |
| 10 | Marcie Pachter | Speech/Communications (1), LW | | Julie Sivigny, Academic Services – Curriculum & Accreditation |
| 11 | David Rivera | EMS/Public Safety (1), LW | | Jen Hudson, Academic Services – Catalog |
| 12 | Carrie Thompson | Composition/Communications (2), LW | | Sharokina De Mirza, Academic Services - Analyst |
| | | | | Linda Madera, IRE, - Report |
| Administrative Members | | | | Penny Mclsaac, Student Services – Advising & Career Centers |
| | Dr. Velmarie Albertini (Non-Voting) | Dean, Curriculum, District | | Moises Pena, VA |
| | Teresa Armas | Financial Aid, District | | Jennifer Johnson, Student Learning Centers |
| | Kenneth Badaracco | Campus Registrar, PBG | | Susan Bierster, ERP/ Dev. Ed |
| | Santrel Carries | Office of the Registrar, LW | | Dugues Jean-Laurent, Financial Aid |
| | Jyrece McClendon | Interim Dean, PBG | | Roz McFarlane-McCalla, Senior Associate Registrar |
| | Dr. Kathleen Karran-McCoy | Student Services, LW | | |
| | | | | |

*(renewed)

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FA - Possible Financial Aid Action Warranted

Changes are highlighted in yellow

WELCOME

I. APPROVAL OF MINUTES OF March 24, 2022

Discussion:

Data sources consulted: Minutes

Action:

II. FOR YOUR INFORMATION

A. CCE/Avocational-TBD

B. VPAA/DBOT Action -TBD

C. Minutes Corrections: -TBD

D. Housekeeping-TBD

III. OLD BUSINESS

Discussion: NA

Data sources consulted: Curriculum Support Documents

Action:

IV. NEW BUSINESS

A. AA COURSES

1. Revised Courses - DANCE

Presenter: Associate Dean Richard White

Assigned Curriculum Reviewers: M. Pachter; C. Thompson

CC Representative: M. Pachter; C. Thompson

Effective: Fall 2022

Cluster Approved: 3/31/2022

DH Designator Approval: 4/6/2022

Enrollment Limited to:

FA

Justification: Need to **reactivate** these inactive Dance courses for part of a dual enrollment program at Alexander W. Dreyfoos School of the Arts.

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| Course # | Title | Course Information | | | | | | | | | | | | |
|----------|---|---|----|---|----|----------------------------------|----|---|----|--|----|---|----|---|
| a. | DAA1202 C | Intermediate Ballet I | | | | | | | | | | | | |
| | | <p>3 credits (4 lab hours) (2 Lecture/2 Lab); Prerequisite: DAA-1201. Permission of Instructor. Course Description: This course emphasizes development of strength and form for quickness of body-mind coordination. Most ballet steps are introduced. Applications of phrasing and quality of movement are stressed. Admission is by audition.</p> | | | | | | | | | | | | |
| | | <table border="1"> <tr> <td data-bbox="793 430 926 573">#1</td> <td data-bbox="926 430 1873 573">Perform a dance with characteristic movement and dance techniques which speak to the assigned melodies and standard ballet repertoire. Improvised solos utilizing correct body movement and dance progressions.</td> </tr> <tr> <td data-bbox="793 573 926 651">#2</td> <td data-bbox="926 573 1873 651">Perform with correct techniques.</td> </tr> <tr> <td data-bbox="793 651 926 764">#3</td> <td data-bbox="926 651 1873 764">Perform to music applying correct body movement concepts related to melody, harmony and rhythm.</td> </tr> <tr> <td data-bbox="793 764 926 846">#4</td> <td data-bbox="926 764 1873 846">Recognize and demonstrate proper choreographic phrasing relative to the music.</td> </tr> <tr> <td data-bbox="793 846 926 959">#5</td> <td data-bbox="926 846 1873 959">Demonstrate proper interpretation to a variety of music for small ballet ensembles in different styles.</td> </tr> <tr> <td data-bbox="793 959 926 1029">#6</td> <td data-bbox="926 959 1873 1029">Demonstrate to the ability to dance together in an ensemble without a director.</td> </tr> </table> | #1 | Perform a dance with characteristic movement and dance techniques which speak to the assigned melodies and standard ballet repertoire. Improvised solos utilizing correct body movement and dance progressions. | #2 | Perform with correct techniques. | #3 | Perform to music applying correct body movement concepts related to melody, harmony and rhythm. | #4 | Recognize and demonstrate proper choreographic phrasing relative to the music. | #5 | Demonstrate proper interpretation to a variety of music for small ballet ensembles in different styles. | #6 | Demonstrate to the ability to dance together in an ensemble without a director. |
| #1 | Perform a dance with characteristic movement and dance techniques which speak to the assigned melodies and standard ballet repertoire. Improvised solos utilizing correct body movement and dance progressions. | | | | | | | | | | | | | |
| #2 | Perform with correct techniques. | | | | | | | | | | | | | |
| #3 | Perform to music applying correct body movement concepts related to melody, harmony and rhythm. | | | | | | | | | | | | | |
| #4 | Recognize and demonstrate proper choreographic phrasing relative to the music. | | | | | | | | | | | | | |
| #5 | Demonstrate proper interpretation to a variety of music for small ballet ensembles in different styles. | | | | | | | | | | | | | |
| #6 | Demonstrate to the ability to dance together in an ensemble without a director. | | | | | | | | | | | | | |
| b. | DAA1203 C | Intermediate Ballet II | | | | | | | | | | | | |
| | | <p>3 Credits (4 lab hours) (2 Lecture/2 Lab); Prerequisite: DAA1202 Course Description: This course is a continuation of DAA-1202. The Course emphasizes continued development of strength and form for the quickness of body-mind coordination from Intermediate Ballet I. Most ballet steps are further explored. Applications of phrasing and quality of movement are stressed and enhanced. Admission is by successful completion of DAA1202 and permission of instructor.</p> | | | | | | | | | | | | |

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| | | #1 | Enhance performance of a dance with characteristic movement and dance techniques which speak to the assigned melodies and standard ballet repertoire. Improvised solos utilizing correct body movement and dance progressions. |
| | | #2 | Perform with correct techniques. |
| | | #3 | Perform to music applying correct body movement concepts related to melody, harmony and rhythm. |
| | | #4 | Enhanced recognition and demonstrate proper choreographic phrasing relative to the music. |
| | | #5 | Enhanced demonstration of proper interpretation to a variety of music for small ballet ensembles in different styles. |
| | | #6 | Demonstrate to the ability to dance together in an ensemble without a director. |

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

2. Revised Course - Environmental Geology (AA)

Presenter: Dr. Jessica Miles

Assigned Curriculum Reviewers: G. Castenda, S. Greenwall

CC Representative: (STEM) T. Sellars; J. Brownlee; G. Castenda; S. Hammond

Effective: Fall 2022

Cluster Approved: 3/31/2022

Enrollment Limited to: None

Justification: I am proposing an edit of the GLY 2030C Course Description and its Course Learning Outcomes only. These changes came about for several reasons. First, the typical scope of an environmental geology course was not included in the previous course learning outcomes and some major areas for an environmental geology curriculum were left out. For example, natural hazards and how they impact the environment (including: flooding, landslides, subsidence, earthquakes, volcanic eruptions...) was missing, as was soil depletion, erosion, and pollution, and natural resource extraction and use (both energy resources and mineral resources). Additionally, the number of LO's that were Florida specific, made it more of a

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Florida geology course...so we are adapting because of the PBSC Online initiative to be broader and instead have a section focused on Florida, rather than the majority of the course.

We have accounted for these changes by adapting older LOs, removing some of the previous outcomes regarding historical geology, as the topics do not support the concepts covered in the scope of an environmental geology course, and adding new LOs to cover the missing curriculum areas. Again, no other departments use this course as a required course; only my Environmental Science A.S. degree does; however, some students may take it as a general education elective course.

| Course # | Title | Course Information | | | | | | | | | |
|--|---|---|--------------|---------------|--|---|--------------------------------|---|---|--|---|
| a. | GLY2030C Environmental Geology (AA) | <p>3 credits; Prerequisite: None; Programs affected by change: AA General Education Course; required course for Environmental Science Technology AS (2216) & Environmental Science Technician CCC (6561)</p> <p>Course Description: Principles of physical and historical geology as applied to the materials, structures, and surface of the earth. Special emphasis on Florida geology with the use of case scenarios and laboratory activities to illustrate environmental concerns including depletion of earth's resources, water supply problems, and pollution. Environmental geology is the branch of geology concerned with the interaction between humans and the geologic environment. This course will examine environmental issues that lie at the interfaces of the anthroposphere with the lithosphere, hydrosphere, atmosphere, and biosphere, such as natural hazards, energy and mineral resource development, water and soil use and pollution, coastal erosion, and climate change.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Current CLOs</th> <th style="text-align: left;">Proposed CLOs</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="vertical-align: top;"> <ul style="list-style-type: none"> • Demonstrate a basic understanding of the Earth and Earth Materials by explaining key physical processes including Plate Tectonics. • Diagram Rock Cycle. • Identify examples of igneous, metamorphic, and sedimentary rocks. • Explain surficial processes, such as weathering, erosion, and soil formation. • Identify the types of rocks that are important for Florida Geology. </td> <td style="vertical-align: top;">Demonstrate a basic understanding of the Earth and Earth materials by explaining key physical processes including plate tectonics.</td> </tr> <tr> <td style="vertical-align: top;">Diagram the rock cycle.</td> </tr> <tr> <td style="vertical-align: top;">Identify examples of igneous, metamorphic, and sedimentary rocks.</td> </tr> <tr> <td style="vertical-align: top;">Explain surficial processes, such as weathering, erosion, and soil formation.</td> </tr> <tr> <td></td> <td style="vertical-align: top;">Explain the processes of soil depletion, erosion, and pollution.</td> </tr> </tbody> </table> | Current CLOs | Proposed CLOs | <ul style="list-style-type: none"> • Demonstrate a basic understanding of the Earth and Earth Materials by explaining key physical processes including Plate Tectonics. • Diagram Rock Cycle. • Identify examples of igneous, metamorphic, and sedimentary rocks. • Explain surficial processes, such as weathering, erosion, and soil formation. • Identify the types of rocks that are important for Florida Geology. | Demonstrate a basic understanding of the Earth and Earth materials by explaining key physical processes including plate tectonics. | Diagram the rock cycle. | Identify examples of igneous, metamorphic, and sedimentary rocks. | Explain surficial processes, such as weathering, erosion, and soil formation. | | Explain the processes of soil depletion, erosion, and pollution. |
| Current CLOs | Proposed CLOs | | | | | | | | | | |
| <ul style="list-style-type: none"> • Demonstrate a basic understanding of the Earth and Earth Materials by explaining key physical processes including Plate Tectonics. • Diagram Rock Cycle. • Identify examples of igneous, metamorphic, and sedimentary rocks. • Explain surficial processes, such as weathering, erosion, and soil formation. • Identify the types of rocks that are important for Florida Geology. | Demonstrate a basic understanding of the Earth and Earth materials by explaining key physical processes including plate tectonics. | | | | | | | | | | |
| | Diagram the rock cycle. | | | | | | | | | | |
| | Identify examples of igneous, metamorphic, and sedimentary rocks. | | | | | | | | | | |
| | Explain surficial processes, such as weathering, erosion, and soil formation. | | | | | | | | | | |
| | Explain the processes of soil depletion, erosion, and pollution. | | | | | | | | | | |

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| | | <ul style="list-style-type: none"> • Demonstrate an understanding of the Geologic Time Scale. • Apply dating techniques. • Identify and sketch important Florida minerals and Fossils. • Describe the causes and effects of sea level change. • Define transgression and egression. • Apply an understanding of surficial processes to identify and to explain coastal landforms. • Delineate the basic principles of stratigraphy. • Apply the geologic past to analyze the current geology of Florida. • Compare geologic environments of Florida. • Demonstrate a complete understanding of the hydrologic cycle by defining the chemical processes of evaporation and condensation, diagramming the processes of the hydrologic cycle, defining basic hydrologic key terms, and applying geologic principles and the processes of hydrologic cycle to calculate a water budget. • Describe Karst Topography by explaining the processes and environments of limestone formation, diagramming the chemical reaction for dissolution and solution equilibrium for calcium carbonate, relating the importance of calcium carbonate to Karst Topography and cave formation, demonstrating the importance of Karst Topography to Florida aquifer system, and identifying examples of Florida lakes, springs, and rivers. | <p>Evaluate natural hazards and describe how they impact the environment.</p> <p>Describe the types of fossil fuels and how their development impacts the environment, as well as alternative energy production, benefits, and impacts.</p> <p>Identify common types of natural resource extraction, use, and environmental impacts.</p> <p>Describe the causes and effects of sea level change.</p> <p>Define transgression and egression.</p> <p>Apply an understanding of surficial processes to identify and to explain coastal landforms and hazards.</p> <p>Demonstrate an understanding of the hydrologic cycle, the impacts to surface and groundwater resources through consumptive use of water resources, and types of water pollution.</p> <p>Describe karst topography and its role in the Florida aquifer system, including the identification of Florida lakes, springs, and rivers.</p> <p>Explain the importance of water management by communicating the State's objectives and purpose for the South Florida Water Management District.</p> <p>Compare water quality data for several different sites in South Florida and demonstrate how water quality is assessed including the demonstration of potential sources of water pollution including industrial and natural factors.</p> <p>Outline the process of well drilling and sampling and analyze and interpret monitoring data including geophysical logs</p> |
|--|--|--|---|

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| | | | |
|--|--|---|---|
| | | <ul style="list-style-type: none"> • Explain the importance of water management by communicating the State's objectives and purpose for the South Florida Water Management District. • Compare water quality data for several different sites in South Florida and demonstrate how water quality is assessed including the demonstration of potential sources of water pollution including industrial and natural factors. • Outline the process of well drilling and sampling and analyze and interpret monitoring data including geophysical logs followed by an assessment of different approaches to water management techniques, including Aquifer Storage and Recovery Systems and desalination. | <p>followed by an assessment of different approaches to water management techniques, including Aquifer Storage and Recovery Systems and desalination.</p> <p>Identify the types of rocks, minerals, and fossils that are important for Florida Geology.</p> |
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Discussion:

Data sources consulted: Curriculum Support Documents

Action:

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B. ASSOCIATE IN SCIENCE (A.S.)

1. Revised Courses – Medical Assisting (Health Science)

Presenter: Penny Knight

Assigned Curriculum Reviewers: C. Clarke

CC Representative: Carole Clarke

Effective: May 2022

FA

Cluster Approved: 3/31/2022

Business Partnership Council Approved:

Enrollment Limited to: AS 2314 & CCC6313

Justification: Course can be open for registration to anyone interested and will continue to be an AS course. During the course, they will be able to decide if they want to continue with Medical Assisting.

| | Current Course Number | Current Title | Proposed Changes |
|----|-----------------------|-----------------------------------|--|
| a. | MEA1007 | Introduction to Medical Assisting | Enrollment in: AS 2314 & CCC 6313; Remove Controlled Access program code for registration |

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

2. Revised Courses – Interior Design Technology

Presenter: Zenaida Espinosa

Assigned Curriculum Reviewers: A. Adame-Smith

CC Representative: M. Pachter; C. Thompson

Effective: August 2022

Cluster Approved: 8/25/2020

Business Partnership Council Approved:

Enrollment Limited to: None

Justification: This curriculum action is a direct result from the program course sequence revision approved at the 10/29/2020 Curriculum Committee Meeting. Currently, the course does not have a prerequisite. Moving the course from the first-year to the second-year necessitates a prerequisite to require students to follow the sequence and be better prepared for the course. IND1401C Technical Design, offered during the first year, is the proposed prerequisite for Building Systems. It covers architectural drawing and includes an introduction to building construction and components. This will provide students with an awareness of construction to further their understanding of building systems and their impact in planning and design.

| | Current Course Number | Current Title | Proposed Changes |
|----|-----------------------|------------------|--|
| a. | IND2461 | Building Systems | Prerequisite: Change from <i>None</i> to IND1401C . |

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

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D. CAREER CERTIFICATION PROGRAM (CCP)

Clock Hours

Trade and Industry

1. New Courses – Machining Technology

Effective: Spring 2023

Presenter: Eligio Marquez

Cluster Approved: 8/20/2021 (CNC); 3/28/2022

Assigned Curriculum Reviewers: S. Hammond, J. Brownlee

Business Partnership Council Approved: 9/15/2020 (CNC)

CC Representative: Eligio Marquez

Justification: In response to the new program proposal to offer the Computer Numerical Control (CNC) portion of the 1500-hour Machining Technology CCP program as the *CNC Production Specialist* credential, four new courses were developed to re-package the CNC content from the existing curriculum for use in the new CCP. These four new courses will be used in both the 600-hour and 1500-hour certificate programs. Topics covered include workplace safety and organization, job-related mathematics, basic blueprint information, metrology, primary and secondary manufacturing processes, geometric dimension and tolerance, set up and operation of drill presses, CNC control panels, CNC machine systems, CNC lathe and mill operations, and maintenance and troubleshooting. National Institute for Metalworking Skills (NIMS) competencies and topics are included.

| I. | Course Number | Title | Course Information | Corequisites | | | | |
|----|--|-------------------------------------|--|--------------|--|----|---|--------------------------------|
| a. | PMT0028 NEW COURSE | Introduction to CNC Machining (CCP) | 150 Clock Hours; AN Grading scale; ILO: STEM Course Fees: Total \$50.00 [\$25 (Technical/mechanical lab or studio with specialized tools or equipment.) \$25 (Technical/mechanical course with specialized tools, supplies, or other consumable items.) \$6. Medical Liability Insurance] Course description: This course introduces students to the machining industry and explores career opportunities and requirements of a CNC production specialist. Topics include workplace safety, job related mathematics, blueprint reading, CAD/CAM basics and employability skills. CLOs <table border="1" data-bbox="793 1193 1686 1380"> <tr> <td data-bbox="793 1193 909 1304">#1</td> <td data-bbox="909 1193 1686 1304">Demonstrate an understanding of workplace safety and workplace organization.</td> </tr> <tr> <td data-bbox="793 1304 909 1380">#2</td> <td data-bbox="909 1304 1686 1380">Demonstrate an understanding of manufacturing methodology principles.</td> </tr> </table> | #1 | Demonstrate an understanding of workplace safety and workplace organization. | #2 | Demonstrate an understanding of manufacturing methodology principles. | Corequisites: VPI 0100-0300 |
| #1 | Demonstrate an understanding of workplace safety and workplace organization. | | | | | | | |
| #2 | Demonstrate an understanding of manufacturing methodology principles. | | | | | | | |

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|----|--|-------------------------------|---|----|---|----|--|----|---|----|--|--------------------------------|---|----|-----------------------------------|--|
| | | | <table border="1"> <tr> <td>#3</td> <td>Solve basic job-related math problems.</td> </tr> <tr> <td>#4</td> <td>Interpret basic blueprint information.</td> </tr> <tr> <td>#5</td> <td>Perform basic metrology.</td> </tr> <tr> <td>#6</td> <td>Demonstrate basic knowledge of manufacturing history and primary as well as secondary manufacturing processes.</td> </tr> <tr> <td>#7</td> <td>Demonstrate basic understanding of geometric dimension and tolerance (GD&T)</td> </tr> <tr> <td>#8</td> <td>Set up and operate drill presses.</td> </tr> </table> | #3 | Solve basic job-related math problems. | #4 | Interpret basic blueprint information. | #5 | Perform basic metrology. | #6 | Demonstrate basic knowledge of manufacturing history and primary as well as secondary manufacturing processes. | #7 | Demonstrate basic understanding of geometric dimension and tolerance (GD&T) | #8 | Set up and operate drill presses. | |
| #3 | Solve basic job-related math problems. | | | | | | | | | | | | | | | |
| #4 | Interpret basic blueprint information. | | | | | | | | | | | | | | | |
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| #7 | Demonstrate basic understanding of geometric dimension and tolerance (GD&T) | | | | | | | | | | | | | | | |
| #8 | Set up and operate drill presses. | | | | | | | | | | | | | | | |
| b. | PMT0252 NEW COURSE | CNC CAD/CAM Programming (CCP) | <p>150 Clock Hours; AN Grading Scale; ILO: STEM</p> <p>Course Fees: Total \$50.00 [\$25 (Technical/mechanical lab or studio with specialized tools or equipment.) \$25 (Technical/mechanical course with specialized tools, supplies, or other consumable items.) \$6. Medical Liability Insurance]</p> <p>Course Description: This course emphasizes computing aspects of CNC machining to include CNC control panels, CNC machine systems, CNC lathe and mill operations, CAD/CAM design, and maintenance and troubleshooting.</p> <p>CLOs:</p> <table border="1"> <tr> <td>#1</td> <td>Demonstrate the use of a CNC control panel.</td> </tr> <tr> <td>#2</td> <td>Demonstrate an understanding of CNC machine systems.</td> </tr> <tr> <td>#3</td> <td>Demonstrate appropriate computerized-numerical-control (CNC) maintenance and troubleshooting.</td> </tr> <tr> <td>#4</td> <td>Solve problems using critical thinking skills, creativity, and innovation.</td> </tr> </table> | #1 | Demonstrate the use of a CNC control panel. | #2 | Demonstrate an understanding of CNC machine systems. | #3 | Demonstrate appropriate computerized-numerical-control (CNC) maintenance and troubleshooting. | #4 | Solve problems using critical thinking skills, creativity, and innovation. | Corequisites: VPI 0100-0300 | | | | |
| #1 | Demonstrate the use of a CNC control panel. | | | | | | | | | | | | | | | |
| #2 | Demonstrate an understanding of CNC machine systems. | | | | | | | | | | | | | | | |
| #3 | Demonstrate appropriate computerized-numerical-control (CNC) maintenance and troubleshooting. | | | | | | | | | | | | | | | |
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| | | | <table border="1"> <tr> <td>#5</td> <td>Demonstrate first article inspection methods.</td> </tr> <tr> <td>#6</td> <td>Demonstrate basic computer-aided design/computer-aided manufacturing (CAD/CAM) processes.</td> </tr> </table> | #5 | Demonstrate first article inspection methods. | #6 | Demonstrate basic computer-aided design/computer-aided manufacturing (CAD/CAM) processes. | | | |
| #5 | Demonstrate first article inspection methods. | | | | | | | | | |
| #6 | Demonstrate basic computer-aided design/computer-aided manufacturing (CAD/CAM) processes. | | | | | | | | | |
| c. | PMT0220 NEW COURSE | CNC Mills (CCP) | <p>150 Clock Hours; AN Grading Scale; ILO: STEM</p> <p>Course Fees: Total \$50.00 [\$25 (Technical/mechanical lab or studio with specialized tools or equipment.) \$25 (Technical/mechanical course with specialized tools, supplies, or other consumable items.) \$6. Medical Liability Insurance]</p> <p>Course Description: This course prepares students to implement inspection methods, perform advanced set up and operation, and demonstrate basic computer-aided design/computer-aided manufacturing processes for CNC mills machines.</p> <p>CLOs</p> <table border="1"> <tr> <td>#1</td> <td>Set up and operate a computerized-numerical-control (CNC) machine for milling operations.</td> </tr> <tr> <td>#2</td> <td>Demonstrate the technique of CNC milling</td> </tr> <tr> <td>#3</td> <td>Perform advanced set up and operation of a computerized-numeric-control (CNC) mill machine.</td> </tr> </table> | #1 | Set up and operate a computerized-numerical-control (CNC) machine for milling operations. | #2 | Demonstrate the technique of CNC milling | #3 | Perform advanced set up and operation of a computerized-numeric-control (CNC) mill machine. | Corequisites: VPI 0100-0300 |
| #1 | Set up and operate a computerized-numerical-control (CNC) machine for milling operations. | | | | | | | | | |
| #2 | Demonstrate the technique of CNC milling | | | | | | | | | |
| #3 | Perform advanced set up and operation of a computerized-numeric-control (CNC) mill machine. | | | | | | | | | |
| d. | PMTXXXX NEW COURSE | CNC Lathes (CCP) | <p>150 Clock Hours; AN Grading Scale; ILO: STEM</p> <p>Course Fees: Total \$50.00 [\$25 (Technical/mechanical lab or studio with specialized tools or equipment.) \$25 (Technical/mechanical course with specialized tools, supplies, or other consumable items.) \$6. Medical Liability Insurance]</p> <p>Course Description: This course prepares students to implement inspection methods, perform advanced set up and operation, and demonstrate basic computer-aided design/computer-aided manufacturing processes for CNC lathes machines.</p> <p>CLOs</p> | Corequisites: VPI 0100-0300 | | | | | | |

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|----------------------------|--|---|---|----|---|----|---|----|--|--|
| | | | <table border="1"> <tr> <td>#1</td> <td>Set up and operate a computerized-numerical-control (CNC) machine for lathe operations.</td> </tr> <tr> <td>#2</td> <td>Demonstrate the technique of CNC turning.</td> </tr> <tr> <td>#3</td> <td>Perform advanced set up and operation of a computerized-numeric-control (CNC) lathe machine.</td> </tr> </table> | #1 | Set up and operate a computerized-numerical-control (CNC) machine for lathe operations. | #2 | Demonstrate the technique of CNC turning. | #3 | Perform advanced set up and operation of a computerized-numeric-control (CNC) lathe machine. | |
| #1 | Set up and operate a computerized-numerical-control (CNC) machine for lathe operations. | | | | | | | | | |
| #2 | Demonstrate the technique of CNC turning. | | | | | | | | | |
| #3 | Perform advanced set up and operation of a computerized-numeric-control (CNC) lathe machine. | | | | | | | | | |
| II. REVISED COURSES | | | | | | | | | | |
| a. | PMT0202 | Machinist Helper 1 | New Title: Fundamentals of Manual Machining (Name Change only) | | | | | | | |
| b. | PMT0201 | Machinist Helper 2 | New Title: Blueprint Reading for Machinist Course Description: This course is a continuation of introduction into machining Fundamentals of Manual Machining . Students study workplace safety and job-related mathematics, basic blueprint & measuring operations, benchwork skills, the history of manufacturing, manufacturing processes and systems, generating and interpreting computer-aided design drawings, basic precision measurement, sharpening tools, and operating power saws, pedestal grinders and drill presses. | | | | | | | |
| c. | PMT0211 | Machinist Operator 1 | New Title: Fundamentals of Machine Shop Practices Course Description: This course is designed to build on the skills and knowledge students learned in the Machinist Helper courses Blueprint Reading for Machinist course for entry into the machining industry. Students will learn lathe machining operations, interpret and apply blueprints for lathe machine operations and plan milling machining operations. They will also interpret and apply blueprints for milling machine operations as well as operate milling machines. | | | | | | | |
| d. | PMT0500 | Machinist Setup Operator 2 | New Course Number: PMT0511 New Title: Advance Manual Lathe Operations Revised CLO: Perform advanced manual lathe operations. | | | | | | | |
| e. | PMT0510 | Machinist Setup Operator 3 | New Title: Advance Manual Milling Operations Revised CLO: Perform advanced manual milling operations. | | | | | | | |
| f. | PMT0290 Reactivate course | Machining Field Experience 1 | New Title: Machining Work based Learning Experience (CCP) 120 150 Clock Hours; AN Grading scale; ILO: Communication; Critical Thinking; STEM Pre-req: Students must complete all prior courses in the program to enroll in this course. | | | | | | | |

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| | | | | | | | | |
|-----------------------------|--|----------------------------|---|----|--|----|-----------------------------------|--|
| | | | <p>Co-reqs: PMT0259, PMT0510</p> <p>Course Fees: \$25 (Technical/mechanical course with specialized tools, supplies, or other consumable items.) \$6. Medical Accident Insurance]</p> <p>Course Description: Students will demonstrate and apply the skills and techniques learned in all previous modules in the program. This course is an applied work-based learning skills lab that requires students to perform heavy lifting, standing for long periods of time, organization, and working in a physically demanding environment as well as using personal protective equipment. This course will be all hands-on experience with the instructor and/or in a work-based learning environment.</p> <p>CLOs</p> <table border="1"> <tr> <td>#1</td> <td>Perform a final project as instructed.</td> </tr> <tr> <td>#2</td> <td>Perform job duties as instructed.</td> </tr> </table> | #1 | Perform a final project as instructed. | #2 | Perform job duties as instructed. | |
| #1 | Perform a final project as instructed. | | | | | | | |
| #2 | Perform job duties as instructed. | | | | | | | |
| III. DELETED COURSES | | | | | | | | |
| a. | PMT0229 | Machinist Setup Operator 1 | Replaced by New Course PMT0252 <i>CNC CAD/CAM Programming</i> Effective Spring 2023 | | | | | |
| b. | PMT0230 | Machinist Operator 2 | Replaced by New Course PMT0251 <i>Introduction to CNC Machining</i> Effective Summer 2023 | | | | | |
| c. | PMT0258 | Machinist 1 | Replaced by New Course PMT0220 <i>CNC Mills</i> Effective Spring 2023 | | | | | |
| d. | PMT0259 | Machinist 2 | Replaced by New Course PMTXXXX <i>CNC Lathes</i> Effective Spring 2023 | | | | | |
| e. | PMT0260 | Machinist Setup Operator 4 | Replaced by REVISED Course PMT2090L <i>Machining Work-based Learning Experience</i> Effective Spring 2023 | | | | | |

Discussion:

Data sources consulted: Curriculum Support Documents; *SCNS approved PMT0220, 0252, 0028; pending SCNS approval for other courses*

Action:

2. New Program

Program Name: CNC Production Specialist CCP

Effective: Spring 2023

Cluster Approved: 8/20/2021

FA

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CIP Code: 0648050307

Total Clock Hours: 600

Program Length: 32 weeks PM/ 20 weeks AM

Presenter: Eligio Marquez

TABE: Math 10/ Language 9/ Reading 9

Assigned Curriculum Reviewers: T. Sellars

CC Representative: Eligio Marquez

Business Partnership Council Approved: 9/15/2020

Deans Council Step 1 and 2 Approvals: 5/6/2021; 4/27/2021

VPAA/President's Cabinet Approval: 5/3/21; 5/17/2021

District Board of Trustees Approval: 10/10/2021

PLOs Approved by Assessment: 8/18/2021

Access: Controlled Access

Justification: This program is a 600 Clock hour career certificate that prepares students for entry into the Computer Numerical Control (CNC) machining industry. Based on the CNC Production Specialist FLDOE State Framework, this program will allow for evening students, working in industry to complete the CNC portion of machine training in a year. The full clock hour program currently takes an evening student 2.5 years to complete and had low numbers of completion.

The machining program had been tasked with re-evaluating the amount of time required to completion of evening students. Historically, it took a student approximately 36 months to complete the full program. We were eventually able to reduce it down to 24 months. However, with the transition to Workday and course boundaries, this was unable to continue. With the new CNC frameworks created, the discussion was brought first to the faculty and then to the business partners which all agreed it would be a good idea. Most students enrolling in the evenings are typically working in a machine shop currently and will allow for skills improvement and credentialing. This program solely focuses on the CNC portion of the program which is in demand in the region. In addition, the CNC Production Specialist program will be able to complete in one year. These 4 courses offered in the CNC Production Specialist CCP represent repackaging of existing content offered at PBSC in the current 1500-hour Machining Technology program.

| CNC Production Specialist CCP | | | |
|-------------------------------|-------------------------------------|-------------|----------------------------------|
| Course Number | Title | Clock Hours | OCP Points |
| Term 1 Fall 1 | | | |
| PMT 0028 | Introduction to CNC Machining (CCP) | 150 | A – CNC Production Technician I |
| PMT 0252 | CNC CAD/CAM Programming (CCP) | 150 | A – CNC Production Technician I |
| Term 2 Spring 2 | | | |
| PMT 0220 | CNC Mills (CCP) | 150 | B – CNC Production Technician II |
| PMT XXXX | CNC Lathes (CCP) | 150 | B – CNC Production Technician II |
| Total | | 600 | |

PLOs:

1. Demonstrate workplace safety and workplace organization.
2. Solve job-related math problems.
3. Interpret blueprint information.

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4. Interpret metrology measurement tools to machining principles.
5. Perform set up and operation of a computerized-numeric-control (CNC) lathe.
6. Demonstrate computer-aided design/computer-aided manufacturing (CAD/CAM) processes.
7. Perform set up and operation of a computerized-numeric-control (CNC) mill.
8. Demonstrate proficiency in specific machining employability skills.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

3. Revised Program: Machining Technology CCP

Presenter: Eligio Marquez

CIP Code: 0648050305

Total Credits: 1500 Clock Hours

Assigned Curriculum Reviewers: D. Rivera

CC Representative: Eligio Marquez

Effective: January 2023

Cluster Approved: 3/28/2022

Business Partnership Council Approved:

Program Code: 5459

FA

Justification: With the new CNC Production Specialist program also starting on January 2023 (delayed from August 2022) the necessity of making changes in the Machining Technology program came up. Some courses need to have name changes in order to comply with the industry's needs. Also, some courses need to be changed. This field has evolved a lot in the last years up to the point that most of the industry has moved to CNC machines and the necessity for more experienced machinists. With the changes made in the program, the PBSC Machining Technology program will be able to comply with the demand of what the industry is asking. The current cohort ends in Spring 2023. Because this action has not been approved by Fall 2022, the new cohort would end by Fall 2023. A transition of the Fall 2022 cohort students will be implemented to transition into the new model as soon it is approved.

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| Current Program List | | | Propose Program Course List | | |
|---------------------------------|----------------------------------|-----------|---|---|-----------|
| Group A Machinist Helper | | | Group A Machinist Helper | | |
| PMT0202 | Machinist Helper 1 (CCP) | 150 Hours | PMT0230 0028 | Machinist Operator 2 (CCP) Intro to CNC Machining (CCP) | 150 Hours |
| PMT0201 | Machinist Helper 2 (CCP) | 150 Hours | PMT0202 | Machinist Helper 1 (CCP) Fundamentals of Manual Machining | 150 Hours |
| Group B Machine Operator | | | Group B Machine Operator | | |
| PMT0211 | Machinist Operator 1 (CCP) | 150 Hours | PMT0211 | Machinist Operator 1 Fundamentals of Machine Shop Practices (CCP) | 150 Hours |
| PMT0230 | Machinist Operator 2 (CCP) | 150 Hours | PMT0201 | Machinist Helper 2 Blueprint Reading for Machinist (CCP) | 150 Hours |
| Group C Machine Set-up Operator | | | Group C Machine Set-up Operator | | |
| PMT0229 | Machinist Setup Operator 1 (CCP) | 150 Hours | PMT0229 0252 | Machinist Setup Operator 1 (CCP) CNC CAD/CAM Programming (CCP) | 150 Hours |
| PMT0500 | Machinist Setup Operator 2 (CCP) | 150 Hours | PMT0500 0511 | Machinist Setup Operator 2 Advance Manual Lathe Operations (CCP) | 150 Hours |
| PMT0510 | Machinist Setup Operator 3 (CCP) | 150 Hours | PMT0510 | Machinist Setup Operator 3 Advance Manual Milling Operations (CCP) | 150 Hours |
| PMT0260 | Machinist Setup Operator 4 (CCP) | 150 Hours | PMT0259 XXXX | Machinist 2 CNC Lathes (CCP) | 150 Hours |
| Group D Machinist | | | | | |
| PMT0258 | Machinist 1 (CCP) | 150 Hours | | | |

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| | | | | |
|--------------------------|-------------------|-----------|--|---|
| PMT0259 | Machinist 2 (CCP) | 150 Hours | Group D Machinist | |
| Total Credit Hours: 1500 | | | PMT0258 0220 | Machinist 1 CNC Mills (CCP) |
| | | | | 150 Hours |
| | | | PMT0260 | Machinist Setup Operator 4 (CCP) |
| | | | | 150 Hours |
| | | | PMT0290L | Machining Work-Based Learning Experience |
| | | | | 150 Hours |
| | | | Total Credit Hours: 1500 | |

V. CURRICULUM COMMITTEE BUSINESS

A. General Education Council – TBD

Discussion:

Action:

B. Vice-Chair Elective

C. End of Year Business

(1) New Member Selection – Request for nominations to replace four (4) faculty members in the following three academic pathways was sent to the VPAA on 4/21/222:

- **Industry, Manufacturing, Construction & Transportation** (replacing Prof. Eligio Marquez)
- **Education** (replacing Prof. Sherry Hall and Prof. Carrie Thompson)
- **STEM** (replacing Prof. Trineshia Sellars)

(2) Draft schedule for 2022-2023 AY;

- (a) Save the date: 2022-23 Curriculum Committee Kick-off Meeting
- (b) Proposed Dates for 2022-2023 (to be published on Curriculum Development Webpage)

PALM BEACH STATE COLLEGE CURRICULUM COMMITTEE AGENDA

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2022-2023 Curriculum Committee Agenda Schedule

| Meeting Date | Time | Submission Date Deadline |
|------------------------|-------------|---|
| 9/22-29/2022 | 3 p.m. | 8/25 -09/1/2022 |
| 10/27/2022 | 3 p.m. | 9/29/2022 |
| 12/1/2022 | 3 p.m. | 11/3/2022 Final submission for new programs* |
| 1/27/2023 | 3 p.m. | 1/02/2023 <i>Submission deadline for new or revised programs for inclusion in the 2023-24 Catalog*</i> |
| 2/23/2023 | 3 p.m. | 1/26/2023 <i>Submission deadline for new or revised courses for inclusion in the 2023-24 Catalog*</i> |
| 3/30/2023 or 3/23/2023 | 3 p.m. | 2/23/2023 |
| 4/27/2023 | 3 p.m. | 3/30/2023 |

**The Catalog is published in advance of the April registration period; curriculum requests received after the submission deadlines will not be published in the Catalog. Please plan accordingly.*

VI. MOTION TO DISMISS ADMINISTRATIVE MEMBERS

Discussion: NA

Action:

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Curriculum Development Session immediately following adjournment (time permitting).

2021-2022 Curriculum Actions

| Actions | BAS/BS | AA | AS | ATC | ATD | CCC | PSAV | Dev. Ed | Totals |
|----------------------------------|--------|----|----|-----|-----|-----|------|---------|--------|
| New Program | - | - | | - | - | | | - | |
| New Course | - | - | | - | - | - | | - | |
| Revised Program | - | - | | - | - | - | - | - | |
| Revised Course | - | - | | - | - | - | - | - | |
| Deleted Program | - | - | | - | - | - | | - | |
| Deleted Course | - | - | | - | - | - | | - | |
| Other | - | - | | - | - | - | - | - | |
| Agenda Totals | - | - | | - | - | | | - | |
| Cumulative Total for AY 21-22 | - | - | - | - | - | - | - | - | - |