

PALM BEACH STATE COLLEGE CURRICULUM COMMITTEE AGENDA

February 24, 2022

The Curriculum Committee meetings will be held via Microsoft Teams virtual conference. College personnel are asked to contact Christi White by Thursday at noon if they wish to attend but had not yet received an invitation.

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:	
	Dr. Juliett Tracey – Chair	Business (4), LW		Theo Owuso, BAS
	Trineshia Sellars – <i>Past Chair</i>	Chemistry/STEM (5)*, LW		Ruth Floreal/Susy Martinez-White, EPI
	Dr. Angela Adame-Smith	Psychology/Social Sciences (1)*, BR		David Gibble, Music
	Joseph Brownlee	Mathematics/STEM (2), BR		
	Gilberto Castaneda	Mathematics/STEM (1), BG	List of Guests:	
	Dr. Carol Clarke	Nursing/Health Sciences (1), LW		
	Dr. Sabrina Greenwell	Education (1), LW		
	Scott Hammond	Computer Science/STEM (1), LW	Standing Guests:	
	Eligio Marquez	Automotive/Trade and Industry (4)*, LW		Julie Sivigny, Academic Services – Curriculum & Accreditation
	Marcie Pachter	Speech/Communications (1), LW		Jen Hudson, Academic Services – Catalog
	David Rivera	EMS/Public Safety (1), LW		Sharokina De Mirza, Academic Services – Analyst
	Carrie Thompson	Composition/Communications (2), LW		Iva Graff-Bergeron, IRE – Assessment
Administrative Members				Linda Madera, IRE – Reports
	Dr. Velmarie Albertini (Non-Voting)	Dean, Curriculum, District		Penny McIsaac, Student Services – Advising & Career Centers
	Teresa Armas	Financial Aid, District		Moises Pena, VA
	Kenneth Badaracco	Campus Registrar, PBG		Jennifer Johnson, Student Learning Centers
	Santrel Carries	Office of the Registrar, LW		Susan Bierster, ERP/ Dev. Ed
	Jyrece McClendon	Associate Dean - Dev. Ed, BR		Dugues Jean-Laurent, Financial Aid
	Dr. Kathleen Karran-McCoy	Student Services, LW		Roz McFarlane-McCalla, Senior Associate Registrar
	Christi White (Non-Voting)	Academic Services, Curriculum, District		

*(renewed)

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FA - Possible Financial Aid Action Warranted

Changes are highlighted in **yellow**

WELCOME/Goodbye

I. APPROVAL OF MINUTES OF JANUARY 27, 2022

Discussion:

Data sources consulted: Minutes

Action:

II. FOR YOUR INFORMATION – Jen Hudson (Presenter)

A. CCE/Avocational

B. VPAA/DBOT Action

1. FLDOE and General Education Civic Literacy AS Program revisions were approved by the VPAA on 2/15/2022. See icon link below for all program revisions.



FLDOE Gen Ed Core
& Civ Lit Updated R1

**Marketing Operations CCC added effective 2/24/2022*

C. Minutes Corrections:

1. **10/28/2021 Minutes** - per Professor Hernandez, the course MAN4584 will be removed from programs T705 and T804 effective **Spring 2023** not ~~Spring 2022~~.

D. Housekeeping

1. The General Education Council approved on 2/1/2022 to add MUT1111, Music Theory, as a General Education course in the Humanities as a Tier 2 option.
2. The new course PHY1020, Fundamentals of Physics, has been approved by e-vote by both the Curriculum Committee and General Education Committees and SCNS to be added to the PBSC inventory as a General Education, Gen Ed Core, Natural Science Tier 1 course, effective Fall 2022.
3. The Nursing program removed Introduction to Psychology as a pre/corequisite, effective Fall 2022, for the following courses:
 - NUR2261 (removed PSY2012 as a coreq)

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- NUR2261L (removed PSY2012 as a coreq)
- NUR2712 (removed PSY2012 as a prereq)
- NUR2943L (removed PSY2012 as a prereq)

4. SACSCOC has approved the closure of the Clock Hour CCP Program in Medical Assisting. All students are on track to graduate in December 2021.
5. SACSCOC has approved the closure of the Clock Hour CCP Program in Surgical Technology. All students are on track to graduate in December 2021. The program has completed its teachout.

III. OLD BUSINESS

Discussion: NA

Data sources consulted: Curriculum Support Documents

Action: None

IV. NEW BUSINESS – Chair (Presenter)

Credit

A. BACHELOR’S DEGREES AND CERTIFICATES (B.A.S./B.S./CCP/EPI)

1. Courses –

Presenter: Theo Owusu

Assigned Curriculum Reviewers: Scott Hammond & Trineshia Sellars

CC Representative: Scott Hammond

Justification: Many of the courses being taught in the BAS are redundant, so they are revamping the program to add more data analytics and added value so students can find jobs.

Effective: Fall 2022

FA

Cluster Approved: 10/21/2021

Business Partnership Council Approved:

Programs: T801

Action	Course Number	Title	Course Information	Prerequisites
a. NEW/ADD	CTS4457	Data Visualization	3 credit (48 lecture hour) course; BAS level; AW Grading Scale; Course Description: This course teaches students how to build visual data models for analysis using commonly available tools including Microsoft Power BI, and Tableau. Topics include charts, tables,	Prerequisite: CTS4470 with a grade of C or higher.

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			<p>graphs, maps, infographics and dashboards. The concepts are utilized in hands-on labs.</p> <p>CLOs</p> <p>CLO #1 Describe how data visualization is used in data science</p> <p>CLO #2 Using provided criteria, select an appropriate visualization design strategy</p> <p>CLO #3 List and describe popular tools used to implement data visualization</p> <p>CLO #4 Import data sets from external sources using Tableau, and Power BI</p> <p>CLO #5 Clean, shape, and transform data sets using Tableau, and Power BI</p> <p>CLO #6 Prepare visual reports and create dashboards using Tableau, and Power BI</p>	
b.	NEW/ADD	CTS4470	<p>Fundamentals of Data Analytics</p> <p>3 credit (48 lecture hour) course; BAS level; AW Grading Scale; Course Description: This course provides an introduction to a variety of tools and techniques used in the field of data analytics. Students will summarize data, review statistical models, explore data mining techniques, and contemplate ethical considerations associated with the field of data analytics.</p> <p>CLOs</p> <p>CLO #1 Summarize data by means of applying descriptive statistics and data visualization techniques.</p> <p>CLO #2 Analyze simulation modeling and simulation outputs.</p> <p>CLO #3 Apply statistical models to make predictions in real-world situations.</p> <p>CLO #4 Summarize ethical principles specific to data analytics.</p> <p>CLO #5 Analyze data mining activities including data preparation, data summary, and modeling.</p>	<p>Prerequisite: ISM3212 with a grade of C or higher.</p>

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c.	NEW/ADD	COP 4051	SAS (Statistical Analysis System) Programming	<p>3 credit (48 lecture hour) course; BAS level; AW Grading Scale; Course Description: This course will provide students with the knowledge and skills required to access, manage, manipulate and analyze data using the SAS language. Students will learn basic programming constructs, such as assignment statements, and if/then/else statements, and looping. SAS programming topics include: importing messy raw data, reading and combining SAS data assets efficiently using the SAS DATA step, using the RETAIN and OUTPUT statements, working with date and time values, manipulating character values, generating data with DO loops, and enhancing output of reports with ODS (Output Delivery System). This course also provides a survey of major statistical analysis procedures, creating reports, and using the SQL procedure to query and combine data tables. Students will be prepared for taking the SAS Version 9 Base Programming Certification Exam.</p> <p>CLOs</p> <p>CLO #1 Create and process SAS programs.</p> <p>CLO #2 Access data in SAS data sets and SAS libraries.</p> <p>CLO #3 Create Reports.</p> <p>CLO #4 Read data from SAS data sets, spreadsheet data, and raw data.</p> <p>CLO #5 Correctly use SAS functions and format data values.</p> <p>CLO #6 Combine data sets.</p> <p>CLO #7 Use conditional logic in SAS programs.</p> <p>CLO #8 Use SAS Visual Analytics to design and create reports.</p>	<p>Prerequisite: CTS4470 with a grade of C or higher.</p>
d.	REVISE	ISM4330	Capstone Experience:	<p>Change prerequisite requirements. Change Prereqs from: COP4834, FIN3400, GEB3213, ISM4210, ISM4211 and</p>	

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		Database Administration	ISM4213 with a grade of C or higher to FIN3400, GEB3213, ISM4211 and ISM4213 with a grade of C or higher		
e.	DELETE/TERMINATE	COP4834	Web Scripting	3 Credit Required course in T801. Last Term offered Spring 2023. Effective date Spring 2023.	Pre/corequisite: COP1000, CTS4425 (CTS4425 does not list COP4834 as a pre or corequisite). Listed a prereq in ISM4330.
f.	DELETE/TERMINATE	ISM4117	Data Mining and Data Warehousing	3 Credit Elective course in T801. Last Term offered Spring 2023. Effective date Spring 2023. NOTE: ISM4117 is an “OR” condition for the Bachelor’s Internship (GEB4940C). Removing this course will make the Internship required.	Pre or corequisite: COP2700, ISM3212. (ISM3212 does not list ISM4417 as a pre or corequisite)
g.	DELETE/TERMINATE	ISM4210	Database Administration and Architecture	3 Credit Required course in T801. Last Term offered Spring 2023. Effective date Spring 2023.	Prerequisite: ISM3212 Listed a prereq in ISM4330.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

2. Revised Program: Information Management – Database Administration and Analytics BAS

Effective: Fall 2022

FA

Presenter: Theo Owuso

Cluster Approved: 10/21/2021

CIP Code: 111110051 (11.1005)

Business Partnership Council Approved:

Total Credits: 120 **Program Code:** T801

Assigned Curriculum Reviewers:

CC Representative: Scott Hammond

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Justification: The rationale for the rebranding is according to the United States Department of Labor, Bureau of Labor Statistics, overall employment of Data Analytics is projected to grow 26 percent from 2018 to 2028, much faster than the average for all occupations. Businesses will need these workers to analyze the increasing volume of digital and electronic data. The 2018 median pay for Data Analytics was \$40.09 per hour or \$83,390 per year. Typical level of education that most workers need to enter this occupation is a Bachelor's degree.

In Miami-Fort Lauderdale-West Palm Beach, FL: the median wages in 2020 was \$47.23 hourly and \$98,230 annually for occupations in Data Analytics. The total employment for 2019 was 33,200 employees. Employment of Data Analytics is projected to grow 8% or higher faster than any other occupation. There are 3,600 projected job openings from 2019 to 2029.

Current Program Title- Information Management – Database Administration (T801)			Proposed Program Title- Information Management – Database Administration and Analytics (T801)		
Course Number	Title	Credit Hours	Course Number	Title	Credit Hours
Upper Division Common Core Courses (Credits: 21)			Upper Division Common Core Courses (Credits: 21)		
BUL3130	Legal and Ethical Environment of Business (BAS)	3	BUL3130	Legal and Ethical Environment of Business (BAS)	3
COP3530	Programming Languages and Concepts (BAS)	3	COP3530	Programming Languages and Concepts (BAS)	3
GEB3213	Business Writing (BAS)	3	GEB3213	Business Writing (BAS)	3
FIN3400	Principles of Financial Management (BAS)	3	FIN3400	Principles of Financial Management (BAS)	3
ISM3113	Systems Analysis and Design (BAS)	3	ISM3113	Systems Analysis and Design (BAS)	3
ISM3212	Database Management Systems (BAS)	3	ISM3212	Database Management Systems (BAS)	3
ISM3314	Project Management (BAS)	3	ISM3314	Project Management (BAS)	3
Concentration Area Required Courses (Credits: 15)			Concentration Area Required Courses (Credits: 15)		
CTS4425	ASP.Net Web Application Development (BAS)	3	CTS4425	ASP.Net Web Application Development (BAS)	3
COP4834	Web Scripting (BAS)	3	COP4834	Web Scripting (BAS)	3
ISM4213	Advanced Database Management (BAS)	3	ISM4213	Advanced Database Management (BAS)	3
ISM4210	Database Administration and Architecture (BAS)	3	CTS4470	Fundamentals of Data Analytics (BAS)	3
ISM4211	Database Systems and Physical Design (BAS)	3	ISM4210	Database Administration and Architecture (BAS)	3
			CTS4457	Data Visualization (BAS)	3
Concentration Electives (select 3 credits)			Concentration Electives (select 3 credits)		
ISM4117	Data Mining and Data Warehousing (BAS)	3	ISM4211	Database Systems and Physical Design (BAS)	3
GEB4940C	Bachelors Internship (BAS)	3	Concentration Electives (select 3 credits)		
Concentration Capstone Course (Credits: 3)			ISM4117		
ISM4330	Capstone Experience: Database Administration	3	COP4051	SAS (Statistical Analysis System) Programming	3
			GEB4940C	Bachelors Internship (BAS)	3

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				Concentration Capstone Course (Credits: 3)			
				ISM4330 Capstone Experience: Database Administration 3			
Gen Ed: 36	Concentration: 15	Upper Div.: 21		Gen Ed: 36	Concentration: 15	Upper Div.: 21	
Capstone: 3	Elective: 3	AA/AS: 42	Total: 120	Capstone: 3	Elective: 3	AA/AS: 42	Total: 120

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

EDUCATOR PREPARATION INSTITUTE (EPI)

1. New Courses – EPI

Presenter: Ruth Floreal

Assigned Curriculum Reviewers:

CC Representative: Sabrina Greenwell

Effective: Fall 2022 (State Mandated)

FA

Cluster Approved: 1/6/2022

Business Partnership Council Approved: State Mandated

Enrollment Limited to: F225

Justification: Candidates entering the PBSC EPI program in the 2022-2023, academic year and earning certification in a coverage area identified in section 1012.585(3)(f), Florida Statutes, must successfully complete all competencies for a reading endorsement.

	Course Number	Title	Course Information
a.	EPI0011	Foundations of Assessment and Differentiated Instruction in Reading	Institutional Credit Course, (3 credits/45 contact hours); Bachelor’s level required course in the EPI program; AW grading scale. Prerequisite: EPI0010 with a grade of C or higher. Course Description: This course provides student-teachers with understanding of how to select and administer appropriate assessments and analyze data to inform reading instruction to meet the needs of all students. Student-teachers will understand and apply research-based instructional practices by differentiating process, product, and context and learn to engage in the systematic problem-solving process in K-12 reading programs. CLOs CLO #1 Use and interpret a range of assessment tools and techniques. CLO #2 Scaffold instruction for students having difficulty in each of the components of reading. CLO #3 Identify factors impeding student reading development in each of the reading components or the integration of these components. CLO #4 Demonstrate knowledge of the purposes of assessment, measurement concepts, and common methods of statistical score reporting.

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		<p>CLO #5 Recognize how characteristics of both language and cognitive development impact reading proficiency.</p> <p>CLO #6 Plan appropriate instruction based on assessment information for individual students as well as for small groups and whole class instruction.</p> <p>CLO #7 Engage in on-going curriculum planning for individual student differentiation.</p>
b.	EPI0095 Reading Practicum: Demonstration of Accomplishment	<p>Institutional Credit Course, (2 credits/30 contact hours); Bachelor’s level required course in the EPI program; AW grading scale. Prerequisites: EPI0010 and EPI0011 both with a grade of C or higher.</p> <p>Course Description: This course provides student-teachers with understanding of how to select and administer appropriate assessments and analyze data to inform reading instruction to meet the needs of all students. Student-teachers will understand and apply research-based instructional practices by differentiating process, product, and context and learn to engage in the systematic problem-solving process in K-12 reading programs.</p> <p>CLOs</p> <p>CLO #1 Demonstrate knowledge of research-based reading instruction and integrate the six components of reading</p> <p>CLO #2 Demonstrate differentiation of instruction for all students utilizing increasingly complex print and digital text</p> <p>CLO #3 Demonstrate skill in assessment and instruction with English language learners from diverse backgrounds and at varying English proficiency levels</p> <p>CLO #4 Engage in practices to align assessment with instruction and on-going curriculum planning for individual student differentiation</p> <p>CLO #5 Demonstrate knowledge of the role of both informal and formal assessments in classroom instruction for all components of reading</p> <p>CLO #6 Demonstrate research-based instructional practices to facilitate students’ monitoring and self-correcting in reading</p> <p>CLO #7 Demonstrate research-based instructional practices for developing students’ ability to read critically</p>

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

2. New Program Track: EPI Reading Endorsement Track

Presenter: Ruth Floreal

CIP Code: 5551399990 (13.9999)

Effective: Fall 2022 (State Mandated)

FA

Cluster Approved: 1/6/2022

Business Partnership Council Approved: State Mandated

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Total Credits: 26

Program Code: Office of the Registrar to provide

PLO's sent to assessment on 2/15/22

Assigned Curriculum Reviewers:

CC Representative: Sabrina Greenwell

Justification: Due to [HB 7011](#), program areas specified in section [1012.585\(3\)\(f\)](#), Florida Statutes, and identified in State Board Rule [6A-4.0051\(7\)](#), Florida Administrative Code are required to prepare candidates entering the program in the 2022-2023 academic year in all five competencies needed for the reading endorsement, including completion of an endorsement practicum. Candidates entering a teacher preparation programs in the 2022-2023, academic year and earning certification in coverage areas identified in section 1012.585(3)(f), Florida Statutes, must successfully complete all competencies for a reading endorsement. This impacts the following coverage areas per State Board Rule 6A-4.0051, F.A.C.:

- Elementary Education (grades K-6)
- Prekindergarten-Primary Education (Age 3 through grade 3)
- Middle Grades English (grades 5-9)
- English (grades 6-12)
- English to Speakers of Other Languages (ESOL) (grades K-12)

Currently, the EPI program has approximately 30% of teacher candidates in these certification areas. In order to address the new state requirements for teacher candidates, Palm Beach State College, Educator Preparation Institute (EPI) is proposing to offer a Reading Endorsement Track for students in the certification areas mentioned above. We would like to continue to offer the EPI program (21 credits) “as is” to those students in other certification areas that do not require the reading endorsement and develop a separate EPI Reading Endorsement track for those who are required to complete the program with a Reading Endorsement.

Program Title- EPI Reading Endorsement Track		
Course Number	Title	Credit Hours
EPI0001	Classroom Management	3
EPI0002	Instructional Strategies	3
EPI0003	Educational Technology	3
EPI0004	The Teaching and Learning Process	3
EPI0010	Foundations of Research-based Practices in Reading	3
EPI0011	Foundations of Assessment and Differentiated Instruction in Reading	3
EPI0020	Professional Foundations	2
EPI0030	Diversity in the Classroom	2
EPI0950	Teaching Methods Practicum	2
EPI0095	Reading Practicum: Demonstration of Accomplishment	2
Total Credits:		26

Program Learning Outcomes

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Edit PLO#1: Students will consistently and effectively communicate with K-12 students and parents/caregivers to promote student achievement through planning and feedback.

- Measure 1.1: Measured by portfolio artifacts in course EPI0001. Data collected in class and submitted by the instructor.
- Achievement Target 1.1: 90% of students will receive a passing grade of "C" or higher on the rubric for the related artifacts.

Edit PLO#2: Construct and maintain a safe, organized, student-centered classroom environment that accepts, adapts to and fosters diversity of learning approaches and cultural backgrounds.

- Measure 2.1: Measured by portfolio artifacts in courses EPI0030 and EPI0004. Data collected in class and submitted by the instructor.
- Achievement Target 2.1: 90% of students will receive a grade of "C" or higher on the rubric for the related artifacts.

Edit PLO#3: Demonstrate effective teaching skills and dispositions in a classroom setting.

- Measure 3.1: Measured using a teaching demonstration evaluation rubric. Data was collected during individually scheduled teaching demonstration and submitted by the instructor conducting the observation.
- Achievement Target 3.1: 90% of students will have earned a >2 average score on the "Teaching Demonstration Evaluation" rubric.

Edit PLO#4: Adhere to the Code of Ethics and Principles of Professional Conduct of the education profession in Florida.

- Measure 4.1: Measured by portfolio artifacts in courses EPI0020 (Professional Foundations) and EPI0030 (Diversity). Data was collected in class and submitted by the instructor.
- Achievement Target 4.1: 95% of students will earn grade of "C" or higher on the rubrics of the related artifacts.

Edit PLO#5: Plan authentic instructional activities based upon well-established human development and learning theories and designed to set high expectations, promote higher-order thinking skills, and meet the needs and interests of all students.

- Measure 5.1: Measured by portfolio artifacts in course EPI0002. Data was collected in class and submitted by the instructor.
- Achievement Target 5.1: 90% of students will earn grade of "C" or higher on the rubrics of the related artifacts.

Edit PLO#6: Students will successfully pass the Florida Teacher Certification Exams (FTCE) Professional Education Test.

- Measure 6.1: Measured by the Florida Teacher Certification Examination. Data was collected by the Florida Department of Education and submitted by the Program Director.
- Achievement Target 6.1: 90% of students, on their first attempt, will earn a passing score on the FTCE Professional Educators Test.

Edit PLO#7: Interpret and use data from formal and informal assessment strategies to evaluate students.

- **Measure 7.1: Measured using portfolio artifacts in the courses, EPI0003 and EPI0010. Data was collected in class and submitted by the instructor.**
- **Achievement Target 7.1: 100% of students will earn grade of "C" or higher on the rubrics of the related artifacts.**

ADD PLO#8: Students use valid, reliable and appropriate assessment tools to screen, diagnose, and measure student literacy achievement.

- Measure 8.1: Measured by portfolio artifacts in course EPI0010 and EPI0011. Data was collected in class and submitted by the instructor.
- Achievement Target 8.1: 90% of students will earn grade of "C" or higher on the rubrics of the related artifacts.

Discussion:

Data sources consulted: Curriculum Support Documents

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Action:

B. ASSOCIATE IN ARTS (A.A.)

1. Revised Courses – Music

Effective: Fall 2022

Presenter: David Gibble

Cluster Approved: 1/6/2022

Assigned Curriculum Reviewers:

CC Representative: Recommend an AA committee member

Justification: These classes are frequently taken by Music teachers employed by Palm Beach Co. School District so that they may receive re-certification credit. Since many of them take it every single semester it is offered (Fall/Spring), they “run out” of times that they can take the class after 8 years since the repeatability limit is currently set to 16 times maximum. This impacts their options for re-certification. Another benefit of having them participate is sitting side-by-side with traditional PBSC students which encourages the students to model their playing and approach to rehearsing. It’s a win-win for all concerned – the teachers, the students, and the ensemble as a whole.

	Current Course Number	Current Title	Proposed Changes
a.	MUN1120 R	Concert Band	Change repeatable limit from 16 to 60. No other changes.
b.	MUN1310 R	Concert Chorus	Change repeatable limit from 12 to 60. No other changes.
c.	MUN1710 D	Tuesday Nite Jazz Band	Change repeatable limit from 16 to 60. No other changes.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

C. ASSOCIATE IN ARTS (A.A.)

1. Revised Courses – Physics

Effective: Fall 2022

Presenter: Becky Mercer/ Jen Hudson

Cluster Approved: 2/3/2022

Assigned Curriculum Reviewers: NA

CC Representative: NA

Justification: Adding a 3-credit Tier 1 physics course to the College’s natural sciences general education list, so AS programs have the ability to include it in their curriculum. No impact to total credits for degree. This course will be used for AS degree programs that currently require PHY1001 (Tier 2 Gen Ed and does not meet state mandate for AS programs to include Tier 1 Gen Ed courses).

Course to be added to the following programs per HB1507 and SB1108:

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- 2270 – Electrical Power Technology AS
- 2550D – Engineering Technology – Advanced Manufacturing AS
- 2550C – Engineering Technology – Advanced Technology AS
- 2550A – Engineering Technology – Alternative Energy Systems AS
- 2550B – Engineering Technology – Electronics

See Supporting documentation in II B, VPAA Action for changes to the programs.

	Course Number	Title	Course Information
a.	PHY1020	Fundamentals of Physics	<p>3 credit (48 lecture hour); AW grading scale; Prerequisite MAC1105 or MAC1105C with a grade of C or higher.</p> <p>Course Description: This general education course is for non-majors with a minimum of mathematics. Introduction to atomic physics, fundamental principles of light, mechanics, electricity, and magnetism, with an emphasis on the motion of particles, properties of waves, force, momentum, energy, and associated conservation laws.</p> <p>CLO's</p> <p>CLO #1 Perform calculations using the equations of motion that describe the constant-acceleration one-dimensional and two-dimensional motions of a particle.</p> <p>CLO #2 Perform calculations using Newton's three laws of motion and Newton's universal law of gravitation.</p> <p>CLO #3 Synthesize the concepts of basic physics in order to develop solutions to a wide variety of problems involving the motion of objects.</p> <p>CLO #4 Explain the motion of objects within the framework of work and energy.</p> <p>CLO #5 Analyze basic circuits using the principles of electricity.</p> <p>CLO #6 Analyze problems in thermal physics and heat transfer.</p> <p>CLO #7 Explain one- and two-dimensional motion in terms of kinematic quantities such as position, velocity, and acceleration.</p> <p>CLO #8 Describe the quantum behavior of matter and energy.</p> <p>CLO #9 Perform calculations that describe the physical behavior of gases, liquids, and solids</p> <p>CLO #10 Demonstrate how to add and subtract vectors algebraically by combining their scalar components.</p>

Approved by SCNS: 2/17/2022

Discussion: N/A

Data sources consulted: Curriculum Support Documents

Action: e-vote approved by Curriculum Committee and General Education Committees.

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V. CURRICULUM COMMITTEE BUSINESS

- A. General Education Council – MUT1111 and PHY1020 approved.
- B. Recruitment for next year –
- C. Election for next year –

Discussion:

Action:

VI. MOTION TO DISMISS ADMINISTRATIVE MEMBERS

Discussion: NA

Action:

Curriculum Development Session immediately following adjournment (time permitting).

2021-2022 Curriculum Actions

ACTIONS	BAS/BS/EPI	AA	AS	ATC	ATD	CCC	PSAV/CCP	Dev. Ed	Totals
New Course	5								5
Revised Course	1	4	5						10
Deleted Course	3								3
New Program	1								1
Revised Program	1								1
Deleted Program									0
Other									
Agenda Totals	11	4	5	0	0	0	0	0	20
Cumulative Total for AY 21-22	21	15	50	0	0	2	49	0	137