Miami Dade College
Office of the Vice Provost of Academic Affairs

March 11, 2016

M E M O R A N D U M

TO: **Lenore Rodicio**

FROM: **Julie Alexander**

All curriculum items included in this report were presented and discussed at the March 8, 2016, College CASSC meeting. Approval of curriculum items is for offering at all campuses and centers, all off campus sites, at Honors level and through Distance Education.

Curriculum Requiring Approval

1. **School of Engineering and Technology**
   - **Add New Programs**

Program Title:	Business Intelligence Professional (BIP)
Degree Type:	College Credit Certificate (C.C.C.)
Program Code:	66038
Effective Term:	Fall 2016-1 (216-7)
Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
Administrator (s):	Diana Bien-Aime/Djuradj Babic
Faculty:	
Motion 1:	**The School of Engineering and Technology is proposing the development of a 20 credit College Credit Certificate (CCC) in Business Intelligence Professional, to be housed under the Associate in Science Business Intelligence Specialist degree. Students will acquire an accelerated credential and the corresponding workforce skills for immediate employment and career experience while they continue to pursue an associate degree in Business Intelligence.**

Note: All courses are currently offered/existing at MDC.

Faculty credentials: In keeping with the accreditation standards set forth by the Southern Association of Colleges and Schools – Commission on Colleges (SACSCOC), all other courses taught in this degree adhere to the MDC credentialing chart. These standards are developed according to the College's guidelines and are approved by the Academic Leadership Council (http://www.mdc.edu/accreditation/faculty-credentials/).

Program Title:	Business Intelligence (BI)
Degree Type:	Associate in Science (A.S.)
Program Code:	25072
CIP Code:	1552130101
Effective Term:	Fall 2016-1 (216-7)
Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.

Motion 2: **The School of Engineering and Technology is proposing a 60 credit Associate in Science degree in Business Intelligence (AS-BI) (existing state framework CIP 1552130101) to replace the Associate in Science degree in Database Technology-Microsoft Business Intelligence program in order to support a seamless 2+2 articulation to the proposed Bachelor of Science degree with a major in Data Analytics. The proposed AS degree is industry driven and addresses employers' needs/demands.**

Add New Course:

Motion 3: **The School of Engineering + Technology in collaboration with the faculty from the School of Business is proposing a new course with fee for the Associate in Science degree in Business Intelligence (AS-BI).**

Course	***Title***	***Credits***	***New Fees***
GEB2100	Introduction to Business Analytics	3	$50.00

Program Title:	Data Analytics (DA)
Degree Type:	Bachelor of Science (B.S.)
Program Code:	S9550
Effective Term:	Fall 2016-1 (216-7)
Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.

Motion 4: **The School of Engineering and Technology (EnTec) is proposing a Bachelor of Science with a major in Data Analytics (BS-DA)degree program in order to provide students with the workforce driven, hands-on training required for employment in business analytics and intelligence. The BS-DA program is designed to train and supply a workforce of skilled graduates in data manipulation and analysis across a spectrum of industries, in order to clean, organize, analyze, and interpret unstructured data, to derive knowledge and communicate discoveries using sophisticated visualization techniques.**

Add New Courses:

Motion 5: **The School of Engineering + Technology is proposing 9 new courses with fees for the Bachelor of Science with a major in Data Analytics (BS-DA).**

Course	***Title***	***Credits***	***New Fees***
CAP4767	Data Mining	4	$63.00
CAP4744	Data Visualization	4	$63.00
CAP4910	Data Analytics Capstone	4	$63.00
CIS3368	Data Security & Governance	4	$63.00
CAP4784	Big Data	4	$63.00
CAP3770	Predictive Analytics Algorithms	4	$63.00
CTS3452	Business Intelligence	4	$63.00
GEB3522	Applied Business Analytics	3	$50.00
STA4210	Regression Analysis	4	$50.00

Add Existing Course:

Motion 6: **The School of Engineering + Technology is proposing to modify and add one (1) existing course with fees for the Bachelor of Science with a major in Data Analytics (BS-DA).**

Course	***Title***	***Credits***	***New Fees***
STA3164	Statistical Methods II	4	$50.00

Note: GEB 3522 was developed in collaboration with the faculty from the School of Business. The STA 3164 and STA 4210 were developed in collaboration with the faculty from the Mathematics Discipline.

2. **Fashion Design &Merchandising**

- **Add New Program**

Program Title: Fashion Design &Merchandising
Degree Type: Associate in Science (A.S.)
Effective Term: Fall 2016-1 (216-7)
Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Diana Bien-Aime
Faculty:

Motion 1: **Miami Dade College (MDC) is proposing a new 60 credit Associate in Science (AS) degree in Fashion Design &Merchandising with two track options – Fashion Design and Fashion Business.**

Note: Currently there are no Florida State Universities or Florida State Colleges offering a degree in Fashion Marketing Management & Design

Add New Courses:

Motion 2: **Approve 18 new proposed courses and 4 with fees, as part of the proposed AS in Fashion Marketing Management & Design (AS FMM&D).**

Course	***Title***	***Credits***	***New Fees***
CTE 1401L	Introductory Textile Science Lab	1	
CTE 1721C	Fashion Design I	3	$390.00
CTE 1760C	Creative Design	3	$390.00
CTE 1841C	Apparel Evaluation & Production	3	
CTE 1050	Introduction to Fashion Design/Related Industries	3	
CTE 1930	Seminar	3	
CTE 1942	Fashion Industry Internship	4	
CTE 2310C	Basic Clothing Construction Methods	3	$390.00
CTE 2388	Principles of Contemporary Retailing	3	
CTE 2301	Product Development	3	
CTE 2610	Fashion Forecasting & Research	3	
CTE 2722C	Fashion Design 2	3	$390.00
CTE2732	Fashion Illustration Technology	3	
CTE 2802	Fashion Merchandising Strategies	3	
CTE 2800	Textile, Apparel & Retail Analysis	3	
CTE 2120	Portfolio Collection Development	3	
CTE 2836	Global Merchandising	3	
CTE 2111C	Digital Fashion Portfolio	3	

Add Existing Course:

Motion 3: **Approve to modify and add one (1) existing course to the proposed AS in Fashion Marketing Management & Design (AS FMM&D).**

Course	***Title***	***Credits***
CTE 1401	Textiles	3

3. **School of Health Sciences**
   - **Program Modifications**

Program Title: Physical Therapist Assistant
Degree Type: Associate in Science (A.S.)
Program Code: 23034/23035
Effective Term: Fall 2016-1 (216-7)
Affected Campus (es): Medical

Administrator (s): Ken Lee
Faculty: Marlene Carmona

Motion 1: **As a response to the Commission on Accreditation in Physical Therapy Education (CAPTE), the School of Health Sciences & Related Studies, is requesting to modify the Physical Therapy Assistant (PTA) program to meet accreditation standards by providing a degree that can be completed in no more than five (5) semesters of full time study.**

Proposed Modifications:

1. Change of general education courses to be in line with the State of Florida general education core.

2. Course Credit change for:
   a. PHT 1102 - Anatomy for the Physical Therapist Assistant from 2 credits to 3 credits.
   b. PHT 2224 - Disabilities and Therapeutic Procedures II from 4 credits to 3 credits.
   c. PHT 2810 - Clinical Practice and Conference II from 5 credits to 7 credits and a title change from Clinical Practice and Conference II to Clinical Practice I.
   d. PHT 2820 - Clinical Practice and Conference III from 7 credits to 9 credits and a title change from Clinical Practice and Conference III to Clinical Practice II.

3. Course Deletion:
   a. PHT 2801 - Clinical Practice and Conference I. Course content will be met in PHT 2810 and 2820 Clinical Practice I and II.

Note: All courses are existing and are in line with the current credentialing standards as stipulated by the institution (http://www.mdc.edu/accreditation/faculty-credentials/). All changes have been discussed and voted on by the PTA discipline, Department Chair, and Discipline Dean.

Detailed Agenda

3. Informational Item

Quality Enhancement Plan (QEP) updates:

- ✓ The School of Justice initiated the QEP components into levels I, II and III courses.
- ✓ Writing prompts related to justice curriculum content have been infused.
- ✓ Assessment and evaluation is underway with utilization of a specific rubric for student writing assignments and e-Portfolios.
- ✓ College Training & Development (CT&D) has provided multiple training sessions from inside and outside speakers, including interdisciplinary opportunities as well.
- ✓ Reflection writing opportunities will be infused to the co-curricular activities that are provided in conjunction with the School of Justice manager and COI.
- ✓ The writing support is in place with full-time writing coaches and part-time writing assistants at the North and Hialeah Campuses in the Learning Resources areas. The writing support is being provided to designated QEP courses.
- ✓ A QEP development team is in place for the School of Business composed of business faculty.
- ✓ Six (6) business courses have been identified, and will be designated as QEP courses. An implementation team will be put in place to work with business faculty to review each course, and identify challenges and opportunities within the School of Business.
- ✓ The School of Nursing will start developing processes in 2016, followed by the School of Health Sciences in 2017. Additional discussions with academic officials from these areas will take place, to identify opportunities to develop the QEP simultaneously.
- ✓ As the development and implementation process continues, the remaining full-time writing coaches and part-time assistants, will be hired for each campus. Currently in the process of hiring full-time writing support for both Kendall and Wolfson Campuses.
- ✓ Ongoing evaluation and assessment process to determine the level of effectiveness and opportunities for improvements.

Communities of Interest (COI) updates:

Communities of Interest (COI) represent a network of students with similar academic interests and career goals. The learning experiences and initiative within the COI framework are:

- ✓ Promote student engagement and development.
- ✓ Enhance program persistence resulting in completion of a certificate or degree.
- ✓ Promote global citizenship and lifelong learning.

COI activities are targeted to Meta Major or big academic disciplines such as School of Business or School of Justice, and include, but are not limited to:

- ✓ Kick-Off Events
- ✓ Networking Events
- ✓ Virtual COI
- ✓ Academic/Engagement Workshops
- ✓ Career/Transfer Workshops

COI at each campus is overseen by a manager and advisors.

3/28/2016

COMMUNITIES OF INTEREST

"BUILDING COMMUNITIES FOR STUDENT SUCCESS"

CASSC Meeting- COI Updates
March 8, 2016

"We must be intentional, proactive, and intrusive. Student success does not arise by chance." (Tinto, 2006)

WHAT ARE COIs?

- Communities of Interest (COI) represent a network of students with similar academic interests and career goals. Learning experiences and initiatives within the COI framework will
  - promote student engagement and development
  - enhance program persistence resulting in completion of a certificate or degree
  - promote global citizenship and lifelong learning

COI activities include, but are not limited to:

FALL 2015 HIGHLIGHTS

- **The Health Related COI** (School of Health Sciences and School of Nursing) continued to feature Kick-off events for pre-select students.
- **The School of Business COI** institutionalized Kick-offs, piloted the virtual community, and piloted the workforce readiness series.
- **The School of Justice COI** piloted kick-off events and the virtual community.

COIs RECEIVE POSITIVE STUDENT FEEDBACK

Student surveys completed to-date have demonstrated positive results in [illegible] outcomes. Quantitative results were as follows [illegible] "strongly agree"):

Business Student

Kick-Off Event Survey Prompt	Health Related	Business	Justice
The content of the workshop was related to my program of study and career choice	4.3	4.7	4.9
The information was presented in a clear, concise manner	4.3	4.9	4.9
This workshop has positively enhanced my college experience	4.3	4.7	4.6
I will be able to apply the content of this workshop to my career choice	4.3	4.7	4.8
I would recommend this event to other students	4.3	4.7	4.7
This workshop will be beneficial to my writing and/or career knowledge	4.3	4.5	4.7
This workshop will be beneficial to earning my degree or certificate	4.3	4.7	4.8

[illegible] prospective and experience making me more driven, and passionate towards striving through my goals." - Justice Student

SPRING 2016 – FORWARD MOMENTUM

- The Health Related, Business, and Justice COIs will continue to develop activities and initiatives that support academic success, student engagement, and workforce readiness.
- Continuing to launch marketing projects (e.g. webpages, highlight video, plasmas, SharkNet, etc.).
- The School of Education and STEM have begun piloting COI activities.
- Implementation of further assessment measures to evaluate effectiveness of COI activities
- Evaluate opportunities for additional COI implementations for Fall 2016-1

THANK YOU!

- Questions…?

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4. Approval of Minutes February 9, 2016

The minutes of the February 9, 2016 CASSC meeting were approved as submitted.

VOTE:	**UNANIMOUS APPROVAL**	
	IN FAVOR	**35**
	OPPOSED	**0**
	ABSTAINED	**0**

Curriculum Requiring Approval

5. School of Engineering + Technology

- **Add New Programs**

Program Title:	Business Intelligence Professional (BIP)
Degree Type:	College Credit Certificate (C.C.C.)
Program Code:	66038
Effective Term:	Fall 2016-1 (216-7)
Affected Campus (es):	North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.
Administrator (s):	Diana Bien-Aime/Djuradj Babic
Faculty:	
Motion 1:	**The School of Engineering and Technology is proposing the development of a 20 credit College Credit Certificate (CCC) in Business Intelligence Professional, to be housed under the Associate in Science Business Intelligence Specialist degree. Students will acquire an accelerated credential and the corresponding workforce skills for immediate employment and career experience while they continue to pursue an associate degree in Business Intelligence.**

Note: All courses are currently offered/existing at MDC.

Faculty credentials: In keeping with the accreditation standards set forth by the Southern Association of Colleges and Schools – Commission on Colleges (SACSCOC), all other courses taught in this degree adhere to the MDC credentialing chart. These standards are developed according to the College's guidelines and are approved by the Academic Leadership Council (http://www.mdc.edu/accreditation/faculty-credentials/).

VOTE:	**UNANIMOUS APPROVAL**	
	IN FAVOR	**35**
	OPPOSED	**0**
	ABSTAINED	**0**

PROGRAM TYPE: **COLLEGE CREDIT CERTIFICATE**
PROGRAM OF STUDY: **BUSINESS INTELLIGENCE PROFESSIONAL**
PROGRAM CODE: **66038**
EFFECTIVE TERM: **Fall 2016 (2016-1)**

PROGRAM REQUIREMENTS (20.00 credits)

CGS1060C	Introduction to Computer Technology Applications	(4 credits)
CTS 1437	Microsoft SQL Administration	(4 credits)
CTS 2433	Microsoft SQL Implementation	(4 credits)
CTS 2450	Business Intelligence – Analysis & Data Mining	(4 credits)
CTS 2451	Business Intelligence—Data Integration & Reporting	(4 credits)

Program Title: Business Intelligence (BI)
Degree Type: Associate in Science (A.S.)
Program Code: 25072
CIP Code: 1552130101
Effective Term: Fall 2016-1 (216-7)
Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.

Motion 2: **The School of Engineering and Technology is proposing a 60 credit Associate in Science degree in Business Intelligence (AS-BI) (existing state framework CIP 1552130101) to replace the Associate in Science degree in Database Technology-Microsoft Business Intelligence program in order to support a seamless 2+2 articulation to the proposed Bachelor of Science degree with a major in Data Analytics. The proposed AS degree is industry driven and addresses employers' needs/demands.**

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Add New Course:

Motion 3: **The School of Engineering + Technology in collaboration with the faculty from the School of Business is proposing a new course for the Associate in Science degree in Business Intelligence (AS-BI).**

Course No.	Course Title	Credits	Campus	Eff. Term
GEB2100	Introduction to Business Analytics	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in business, marketing, business intelligence, computer science and other majors and introduces how information and technology are used in organizations to create market advantage. Students will learn about the operational units of an organization and the information requirements to support the organization. (3 hr. lecture)
Curriculum Action Rationale: New course for the AS Business Intelligence and BS Data Analytics degree.

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Motion 4: **Approve request to add course user fee.**

Proposed Fee:	**$50.00**
Rationale/Justification:	**Fees to cover salaries for tutors for the BS Data Analytics Program. The projected enrollment of 24 students per section is based on historically observed enrollment trend for a comparable program. The anticipated offering is 3 sections of 24 students.**

VOTE: UNANIMOUS APPROVAL

IN FAVOR	**35**
OPPOSED	**0**
ABSTAINED	**0**

PROGRAM TYPE:	**ASSOCIATE IN SCIENCE DEGREE**
PROGRAM TITLE:	**BUSINESS INTELLIGENCE**
PROGRAM CODE:	**25072**
EFFECTIVE TERM:	**FALL 2016 (2016-1)**
PROGRAM LENGTH:	**60 Credits**

GENERAL EDUCATION REQUIREMENTS – 15 CREDITS

COMMUNICATIONS (3.00 credits)

ENC 1101	English Composition 1	(3 credits)

ORAL COMMUNICATIONS (3.00 credits)

SPC 1017	Fundamentals of Speech Communication	(3 credits)

HUMANITIES (3.00 credits)

PHI 2604	Critical Thinking/Ethics	(3 credits)

BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)

CLP 1006	Psychology of Personal Effectiveness	(3 credits)

MATH/SCIENCE (3.00 credits)

MAC 1105	College Algebra	(3 credits)

COMPUTER COMPETENCY

Test type(s) needed:

Computer Competency Test (CCT)

or

CGS 1060C	Introduction to Computer Technology & Applications	(4 Credits)

MAJOR COURSE REQUIREMENTS – 45.00 CREDITS

CGS 1060C	Introduction to Computer Technology & Applications	(4 Credits)	
CGS 1540	Database Concepts Design	(4 credits)	
COP 1334	Introduction to C++ Programming	(4 credits)	
CTS 1437	Microsoft SQL Administration	(4 credits)	
CTS 2361	SharePoint Administration	(4 credits)	
CTS 2433	Microsoft SQL Implementation	(4 credits)	
CTS 2450	Business Intelligence: Analysis Services and Data Mining	(4 credits)	
CTS 2451	Business Intelligence: Integration Services & Reporting	(4 credits)	
CTS 2463	C# Web Application Development	(4 credits)	
GEB 2XXX	Introduction to Business Analytics	(3 credits)	ADD NEW COURSE
MAD 1100	Discrete Mathematics for Computer Science	(3 credits)	
STA 2023	Statistical Methods	(3 credits)	

Rev. 01/11/2016

Program Title: Data Analytics (DA)
Degree Type: Bachelor of Science (B.S.)
Program Code: S9550
Effective Term: Fall 2016-1 (216-7)
Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.

Motion 5: **The School of Engineering and Technology (EnTec) is proposing a Bachelor of Science with a major in Data Analytics (BS-DA)degree program in order to provide students with the workforce driven, hands-on training required for employment in business analytics and intelligence. The BS-DA program is designed to train and supply a workforce of skilled graduates in data manipulation and analysis across a spectrum of industries, in order to clean, organize, analyze, and interpret unstructured data, to derive knowledge and communicate discoveries using sophisticated visualization techniques.**

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Add New Courses:

Motion 6: **The School of Engineering + Technology is proposing 9 new courses for the Bachelor of Science with a major in Data Analytics (BS-DA).**

Course No.	Course Title	Credits	Campus	Eff. Term
CAP4767	Data Mining	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in Data Analytics. Students will learn how to extract information from data sets, transform it into an understandable structure for further use, and apply this knowledge to solve real world business scenarios. (3 hr. lecture 2 hr. lab)
Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

Course No.	Course Title	Credits	Campus	Eff. Term
CAP4744	Data Visualization	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in Data Analytics. Students will learn to utilize the tools and techniques required to present complex data in visually meaningful representations. Students will learn how to organize raw data, to analyze and interpret data, and to draw and present conclusions. Prerequisite: CTS3452 (3 hr. lecture 2 hr. lab)
Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Course No.	Course Title	Credits	Campus	Eff. Term
CAP4910	Data Analytics Capstone	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in Data Analytics. Students will learn to apply business-driven data analytics solutions to real-world problems utilizing acquired skills in statistical analysis, data mining, and data visualization. Must be taken during the last semester before graduation. Departmental approval required. (3 hr. lecture 2 hr. lab)

Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

Course No.	Course Title	Credits	Campus	Eff. Term
CIS3368	Data Security & Governance	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in Data Analytics. Students will learn the principles and practices of security and governance. Students will learn to apply organizational and regulatory requirements in the management of the security and the governance of proprietary data. (3 hr. lecture 2 hr. lab)

Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

Course No.	Course Title	Credits	Campus	Eff. Term
CAP4784	Big Data	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in Data Analytics. Students will acquire the skills and the tools to manage Big Data. Students will learn to design and to implement cloud-based data warehouses and to manage massive amounts of data in the creation of meaningful reports. Students will also learn basic visualization techniques. Prerequisite: CTS1437, CTS2433 (3 hr. lecture 2 hr. lab)

Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

Course No.	Course Title	Credits	Campus	Eff. Term
CAP3770	Predictive Analytics Algorithms	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in Data Analytics. Students will learn the fundamental algorithms used in data mining and analysis. Students will learn various methods and techniques used in data mining, clustering and classification. Prerequisite: STA2023 (3 hr. lecture 2 hr. lab)

Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

Course No.	Course Title	Credits	Campus	Eff. Term
CTS3452	Business Intelligence	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in Data Analytics. Students will learn how to organize, manage and analyze massive amounts of data on servers. Students will learn how to create reports and present information to optimize business decisions and performance. (3 hr. lecture 2 hr. lab)

Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Motion 7: **Approve request to add course user fee.**

Proposed Fee: **$63.00**
Rationale/Justification: **New course requires laboratory personnel, materials, equipment, software and consumables. Projected enrollment of 24 students per section is based on historically observed enrollment trend for a comparable program.**

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Course No.	Course Title	Credits	Campus	Eff. Term
GEB3522	Applied Business Analytics	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This upper division course is for students majoring in Data Analytics. Students will learn how to design and develop business analytic solutions to real-world problems using case studies. Students will gain experience working in small teams in deadline-driven environments and will present their results in class. Prerequisite: GEB2XXX (3 hr. lecture)
Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

Motion 8: **Approve request to add course user fee.**

Proposed Fee: **$50.00**
Rationale/Justification: **Fees to cover salaries for tutors for the BS Data Analytics Program. The projected enrollment of 24 students per section is based on historically observed enrollment trend for a comparable program. The anticipated offering is 3 sections of 24 students.**

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Course No.	Course Title	Credits	Campus	Eff. Term
STA4210	Regression Analysis	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in data analytics, systems engineering, and related disciplines who require advanced in statistical analysis. Students will learn the principles and procedures of correlations and regression analysis and how to allocate information in data sets using statistical software. Prerequisite: STA3164 (3 hr. lecture 2 hr. lab)
Curriculum Action Rationale: New course for Bachelor of Science in Data Analytics.

Motion 9: **Approve request to add course user fee.**

Proposed Fee: **$50.00**
Rationale/Justification: **New course requires laboratory personnel, materials, equipment, software and consumables. Projected enrollment of 24 students per section is based on historically observed enrollment trend for a comparable program.**

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Add and Modify Existing Course:

Motion 10: **The School of Engineering + Technology is proposing to modify and add one (1) existing course for the Bachelor of Science with a major in Data Analytics (BS-DA).**

Course No.	Course Title	Credits	Campus	Eff. Term
STA3164	Statistical Methods II	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course is for students majoring in data analytics, systems engineering, and related disciplines who require advanced skills in statistical analysis. Students will learn how to perform tests of variance, analysis of variance, analysis of covariance, regression, correlation, and non-parametric statistics. Prerequisite: STA2023 (3 hr. lecture 2 hr. lab)

Curriculum Action Rationale: Modification to course. To be used as part of the proposed Bachelor of Science in Data Analytics (BS-DA).

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Motion 11: **Approve request to add course user fee.**

Proposed Fee: **$50.00**
Rationale/Justification: **New course requires laboratory personnel, materials, equipment, software and consumables. Projected enrollment of 24 students per section is based on historically observed enrollment trend for a comparable program.**

Note: GEB 3522 was developed in collaboration with the faculty from the School of Business. The STA 3164 and STA 4210 were developed in collaboration with the faculty from the Mathematics Discipline.

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

PROGRAM OF STUDY: Data Analytics (S5XXX)
EFFECTIVE TERM: Fall 2016 (2016-1)

PROPOSED

I. GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (6.00 credits)
Gordon rule assigned

- ☐ ENC 1101 - English Composition 1 (3 credits)
- ☐ ENC 1102 - English Composition 2 (3 credits)

2. ORAL COMMUNICATION (3.00 credits)
Gordon rule assigned

- ☐ ENC 2300 - Advanced Composition and Communication (3 credits)
- ☐ SPC 1017 - Fundamentals of Speech Communication (3 credits)
- ☐ LIT 2480 - Issues in Literature & Culture (3 credits)

3. HUMANITIES (6.00 credits)
Gordon rule assigned

Must take 3.0 credits from the following group.

- ☐ ARC 2701 - History of Architecture 1 (3 credits)
- ☐ ARH 1000 - Art Appreciation (3 credits)
- ☐ ARH 2050 - Art History 1 (3 credits)
- ☐ DAN 2100 - Dance Appreciation (3 credits)
- ☐ HUM 1020 - Humanities (3 credits)
- ☐ IND 1100 - History of Interiors 1 (3 credits)
- ☐ MUH 2111 - Survey of Music History 1 (3 credits)
- ☐ MUL 1010 - Music Appreciation (3 credits)
- ☐ PHI 2604 - Critical Thinking/Ethics (3 credits)

- - - And - - -

Must take 3.0 credits from the following group.

- ☐ ARC 2702 - History of Architecture 2 (3 credits)
- ☐ ARH 2051 - Art History 2 (3 credits)
- ☐ ARH 2740 - Cinema Appreciation (3 credits)
- ☐ DAN 2130 - Dance History 1 (3 credits)
- ☐ IND 1130 - History of Interiors 2 (3 credits)
- ☐ LIT 2120 - A Survey of World Literature 2 (3 credits)
- ☐ MUH 2112 - Survey of Music History 2 (3 credits)
- ☐ MUL 2380 - Jazz and Popular Music in America (3 credits)
- ☐ PHI 2010 - Introduction to Philosophy (3 credits)
- ☐ THE 2000 - Theatre Appreciation (3 credits)

4. SOCIAL SCIENCE (6.00 credits)
Gordon rule assigned

Must take 3.0 credits from the following group.

- ☐ ANT 2410 - Introduction to Cultural Anthropology (3 credits)
- ☐ DEP 2000 - Human Growth and Development (3 credits)
- ☐ ISS 1161 - The Individual in Society (3 credits)
- ☐ CLP 1006 - Psychology of Personal Effectiveness (3 credits)
- ☐ PSY 2012 - Introduction to Psychology (3 credits)
- ☐ SYG 2000 - Introduction to Sociology (3 credits)

- - - And - - -

Must take 3.0 credits from the following group.

- ☐ ECO 2013 - Principles of Economics (Macro) (3 credits)

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5. NATURAL SCIENCE (6.00 credits)
Gordon rule assigned

Must take 3.0 credits from the following group.

- ☐ BOT 1010 - Botany (3 credits)
- ☐ BSC 1005 - General Education Biology (3 credits)
- ☐ BSC 1030 - Social Issues in Biology (3 credits)
- ☐ BSC 1050 - Biology & Environment (3 credits)
- ☐ BSC 1084 - Functional Human Anatomy (3 credits)
- ☐ BSC 2010 - Principles of Biology (3 credits)
- ☐ BSC 2020 - Human Biology: Fundamentals of Anatomy/Physiology (3 credits)
- ☐ BSC 2085 - Human Anatomy and Physiology 1 (3 credits)
- ☐ BSC 2250 - Natural History of South Florida (3 credits)
- ☐ HUN 1201 - Essentials of Human Nutrition (3 credits)
- ☐ OCB 1010 - Introduction to Marine Biology (3 credits)
- ☐ PCB 2033 - Introduction to Ecology (3 credits)
- ☐ ZOO 1010 - Zoology (3 credits)

The following course(s) are not allowed for credit in this area.
All Labs

- - - And - - -

Must take 3.0 credits from the following group.

- ☐ AST 1002 - Descriptive Astronomy (3 credits)
- ☐ CHM*
- ☐ ESC*
- ☐ GLY*
- ☐ MET*
- ☐ OCE*
- ☐ PHY*
- ☐ PSC 1121 - General Education Physical Science (3 credits)
- ☐ PSC 1515 - Energy in the Natural Environment (3 credits)

The following course(s) are not allowed for credit in this area.
All Labs

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6. MATHEMATICS (6.00 credits)
Gordon rule assigned

Must take 3.0 credits from the following group.

- ☐ MAC*
- ☐ MAC1105 – College Algebra
- ☐ MAD*
- ☐ MAP*
- ☐ MAS*
- ☐ MGF*
- ☐ MTG 2204 - Geometry for Educators (3 credits)
- ☐ QMB 2100 - Basic Business Statistics (3 credits)

The following course(s) are not allowed for credit in this area.
All Labs

- - - And - - -

Must take 3.0 credits from the following group.

- ☐ STA 2023 - Statistical Methods (3 credits)
- ☐ QMB 2100 - Basic Business Statistics (3 credits)

The following course(s) are not allowed for credit in this area.
All Labs

7. GENERAL EDUCATION ELECTIVES (3.00 credits)

- ☐ AST*
- ☐ BOT*
- ☐ BSC*
- ☐ CHM*
- ☐ GLY*
- ☐ MET*
- ☐ OCE*
- ☐ PHY*
- ☐ PSC*
- ☐ ZOO*
- ☐ HUN 1201 - Essentials of Human Nutrition (3 credits)
- ☐ PCB 2033 - Introduction to Ecology (3 credits)
- ☐ MAC*
- ☐ MAD*
- ☐ MAP*
- ☐ MAS*
- ☐ MGF*
- ☐ COP 2270 - "C" for Engineers (4 credits)
- ☐ CIS 1000 - Introduction to Data Processing (4 credits)
- ☐ COP 1332 - Introduction to Visual Basic Programming (4 credits)
- ☐ COP 1334 - Introduction to C++ Programming (4 credits)
- ☐ DAN 2130 - Dance History 1 (3 credits)
- ☐ DEP 2000 - Human Growth and Development (3 credits)
- ☐ ECO 2013 - Principles of Economics (Macro) (3 credits)
- ☐ EDF 1005 - Introduction to the Teaching Profession (3 credits)
- ☐ EDF 2085 - Introduction to Diversity (3 credits)
- ☐ EEX 2000 - Introduction to Special Education (3 credits)
- ☐ ENC 2300 - Advanced Composition and Communication (3 credits)
- ☐ GEO 2420 - Introduction to Cultural Geography (3 credits)

- [ ] QMB 2100 - Basic Business Statistics (3 credits)
- [ ] STA 2023 - Statistical Methods (3 credits)
- [ ] CHI2*
- [ ] FRE2*
- [ ] FRW2*
- [ ] HBR2*
- [ ] GER2*
- [ ] ITA2*
- [ ] JPN2*
- [ ] POR2*
- [ ] RUS2*
- [ ] SPN2*
- [ ] ASL 2160C - American Sign Language 3 (4 credits)
- [ ] ASL 2200C - American Sign Language 4 (4 credits)
- [ ] ACG 2021 - Financial Accounting (3 credits)
- [ ] AMH 2010 - History of the US to 1877 (3 credits)
- [ ] AMH 2020 - History of the US since 1877 (3 credits)
- [ ] ANT 2410 - Introduction to Cultural Anthropology (3 credits)
- [ ] ARC 2701 - History of Architecture 1 (3 credits)
- [ ] ARC 2702 - History of Architecture 2 (3 credits)
- [ ] ARH 1000 - Art Appreciation (3 credits)
- [ ] ARH 2050 - Art History 1 (3 credits)
- [ ] ARH 2051 - Art History 2 (3 credits)
- [ ] ARH 2740 - Cinema Appreciation (3 credits)
- [ ] CGS 1060 - Introduction to Microcomputer Usage (4 credits)
- [ ] GEB25XX – Introduction to Business Analytics **NEW COURSE**
- [ ] HLP 1080 - Wellness (2 credits)
- [ ] HLP 1081 - Fitness & Wellness for Life (3 credits)
- [ ] HSC 2400 - Basic Emergency Care (3 credits)
- [ ] HUM 1020 - Humanities (3 credits)
- [ ] IND 1100 - History of Interiors 1 (3 credits)
- [ ] IND 1130 - History of Interiors 2 (3 credits)
- [ ] INR 2002 - International Relations (3 credits)
- [ ] ISS 1120 - The Social Environment (3 credits)
- [ ] ISS 1161 - The Individual in Society (3 credits)
- [ ] ISS 2270 - Multicultural Communications and Relations (3 credits)
- [ ] LIT 2120 - A Survey of World Literature 2 (3 credits)
- [ ] LIT 2480 - Issues in Literature & Culture (3 credits)
- [ ] MUH 2111 - Survey of Music History 1 (3 credits)
- [ ] MUH 2112 - Survey of Music History 2 (3 credits)
- [ ] MUL 1010 - Music Appreciation (3 credits)
- [ ] MUL 2380 - Jazz and Popular Music in America (3 credits)
- [ ] PHI 2010 - Introduction to Philosophy (3 credits)
- [ ] PHI 2604 - Critical Thinking/Ethics (3 credits)
- [ ] CLP 1006 - Psychology of Personal Effectiveness (3 credits)
- [ ] POS 2041 - American Federal Government (3 credits)
- [ ] POS 2112 - State and Local Government in America (3 credits)
- [ ] PSY 2012 - Introduction to Psychology (3 credits)
- [ ] QMB 2100L - Basic Business Statistics Lab (1 credits)

☐ REL 2300 - Survey of World Religions (3 credits)
☐ SPC 1017 - Fundamentals of Speech Communication (3 credits)
☐ SYG 2000 - Introduction to Sociology (3 credits)
☐ SYG 2230 - Multi-Ethnic America (3 credits)
☐ THE 2000 - Theatre Appreciation (3 credits)
☐ WOH 2012 - History of World Civilization to 1789 (3 credits)
☐ WOH 2022 - History of World Civilization from 1789 (3 credits)

The following course(s) are not allowed for credit in this area.
CGS1060

8. COMPUTER COMPETENCY
Test type(s) needed:

☐ CGS 1060 - Introduction to Microcomputer Usage

9. LOWER DIVISION TECHNOLOGY (45.00 credits)

Must take 41.0 credits from the following group.

☐ CGS 1060 - Introduction to Microcomputer Usage (4 credits)
☐ CGS 1540 – Database Concepts Design (4 credits)
☐ CTS 2361 - SharePoint Administration (4 credits)
☐ CTS 1437 - Microsoft SQL Administration (4 credits)
☐ CTS 2433 - Microsoft SQL Implementation (4 credits)
☐ CTS 2463 - C# Web Application Programming (4 credits)
☐ CTS 2450 - Business Intelligence—Data Mining (4 credits)
☐ CTS 2451 - Business Intelligence—Integration & Reporting (4 credits)
☐ STA 2023 - Statistical Methods I (3 credits)
☐ MAD1100 – Discrete Mathematics for Computer Science (3 credits)
☐ GEB 2XXX - Introduction to Business Analytics (3 credits)**NEW COURSE**

- - - And - - -

Must take 4.0 credits from the following group.

☐ COP 1332 – Introduction to Visual Basic Programming (4 credits)
☐ COP 1334 - Introduction to C++ Programming (4 credits)

10. UPPER DIVISION REQUIREMENTS (39.00 credits)

CAP4770	Data Mining	(4 credits) **NEW COURSE**
CAP4737	Data Visualization	(4 credits) **NEW COURSE**
CAP4XXX	Data Analytics Capstone	(4 credits) **NEW COURSE**
CIS 3368	Data Security & Governance	(4 credits) **NEW COURSE**
CIS48XX	Big Data	(4 credits) **NEW COURSE**
COP 3533	Predictive Analytics Algorithms	(4 credits) **NEW COURSE**
CTS3452	Business Intelligence	(4 credits) **NEW COURSE**
GEB3522	Applied Business Analytics	(3 credits) **NEW COURSE**
STA3164	Statistical Methods II	(4 credits) **EXISTING/REVISED**
STA4210	Regression Analysis	(4 credits) **NEW COURSE**

6. Fashion Design &Merchandising

- **Add New Program**

Program Title: Fashion Design &Merchandising
Degree Type: Associate in Science (A.S.)
Effective Term: Fall 2016-1(216-7)
Affected Campus (es): North, Wolfson, Kendall, Homestead, InterAmerican, Hialeah, MDC-West, Centers, all off campus sites, at Honors level and through Distance Education.

Administrator (s): Diana Bien-Aime
Faculty:

Motion 1: **Miami Dade College (MDC) is proposing a new 60 credit Associate in Science (AS) degree in Fashion Design &Merchandising with two track options –Fashion Business and Fashion Design.**

Note: ***Currently there are no Florida State Universities or Florida State Colleges offering a degree in Fashion Marketing Management & Design***

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Add New Courses:

Motion 2: **Approve 18 new proposed courses and 4 with fees, as part of the proposed AS in Fashion Marketing Management & Design (AS FMM&D).**

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1401L	Introductory Textile Science Lab	1	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: The laboratory CTE 1401L course complements the Introductory Science CTE 1401 course. Students will learn the methods for basic identification of textile materials and rudimentary analysis techniques. The laboratory is also designed to support and parallel the concepts discussed in the lectures. (2 hr. lab)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1721C	Fashion Design I	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This introductory course on flat patterns explores the two-dimensional method of creating basic slopers in order to execute designs. Students will learn the two methods of making a basic set of slopers. Prerequisite: CTE1401, CTE1401L (1 hr. lecture 2 hr. lab)

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1760C	Creative Design	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This Draping course introduces students to the 3-dimensional (3-D) design process and to working with muslin for the creation of new designs and of draping directly on the dress form. Students will learn patternmaking and construction as an integral part of this discipline. They will learn about the technical skills used and integrated into 3-D design, acquire additional creative and technical skills, explore design through fabric, drape, and construction techniques, and expand their ideas into different areas of design. Prerequisite: CTE1401, CTE1401L (1 hr. lecture 2 hr. lab)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1841C	Apparel Evaluation & Production	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This is an introductory course in the apparel development process. Students will learn to facilitate the communication and coordination of pre-product development tasks achieved through linking design, costing, and manufacturing technology in the production setup for each design. Students will learn how outsourcing affects the product development process in editing garment designs and the line development calendar. Prerequisite: CTE1401, CTE1401L (1 hr. lecture 2 hr. lab)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1050	Introduction to Fashion Design/Related Industries	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn the history, characteristics, and global interrelationships of the fashion industry segments. The course explores how fiber, textile and apparel producers, retailers, and home furnishings companies use merchandising and market their products within the industry and ultimately, to the consumer. (3 hr. lecture)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1930	Fashion Seminar	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: Industry executives lead this seminar course. Students learn about industry characteristics, interrelationships, industry segments, consumer behavior, primary and secondary retailing, design perspectives and important names and faces in the fashion business. Students explore merchandising, fiber to finished product, strategic approaches to the industry with the help of experts and through visits to company locations and other interactive events that that bring life to the fashion industry. (3 hr. lecture)

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1942	Fashion Industry Internship	4	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This internship course provides eligible students with placement in premier fashion settings and with the professional and practical experiences needed to further their education in a variety of fashion-based positions. Students control the internship selection process and work with an internship coordinator in the revisions of their resumes and schedule of interviews within the network of fashion companies. Fashion internships are available in the areas of design, merchandising, buying, show-room, and fashion public relations.

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2310C	Basic Clothing Construction Methods	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: Students will learn the basic elements of sewing utilized and incorporated into all designs in the garment industry. These garment structures form the fundamentals of sewing and are integrated into the construction methods used by each company in the applications to a specific design. Prerequisite: CTE1721C (1 hr. lecture 2 hr. lab)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2388	Principles of Contemporary Retailing	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn the operational segments of the fashion industry and their functions. The course focus is on the contributions employees add to sales productivity and customer satisfaction in retail establishments and on the exploration of new technologies and their impact on consumers' shopping experiences. Prerequisite: CTE18XX (3 hr. lecture)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2301	Product Development	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn the concepts and methods by which retailers create special, store-branded merchandise for targeted customer segments. The process of product development, from research to production to distribution, is studied. Prerequisite: CTE1401L, CTE1401 (3 hr. lecture)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2610	Fashion Forecasting & Research	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn to explore and apply forecast research methods in preparation for developing, planning, purchasing, or merchandising apparel lines and collections. Using the case study method, trend research is evaluated through the use of scholarly texts, articles, databases, and relevant websites to identify opportunities for growth and profitability in a fashion business. Prerequisite: CTE18XX, MAR1011 (3 hr. lecture)

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2722C	Fashion Design 2	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course focuses on the use and development of basic slopers. Students will learn to proceed from basic applications and principles of patternmaking to the advanced process of design development. Combining the bodice and sleeve slopers to develop a kimono/dolman sloper is one example of the application of basic slopers to the comprehensive understanding of principles of pattern and design development. Prerequisite: CTE1721C (1 hr. lecture 2 hr. lab)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2732	Fashion Illustration Technology	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This course introduces the basics of fashion illustration technology targeted specifically for the fashion industry. Using various computer software and tools, including but not limited to Photoshop, Fashion CAD, C-Design, Adobe Illustrator, and Digital Fashion Pro, students will learn the techniques to conceptualize, create, and manage fashion designs and collections, and create industry-standard presentations. (3 hr. lecture)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2802	Fashion Merchandising Strategies	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will gain comprehensive knowledge of the merchandising environment, including the functions and objectives of the merchandising team, the principles and techniques of today's buyers, planners, product developers, and account executives. Prerequisite: CGS1060C (3 hr. lecture)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2800	Textile, Apparel & Retail Analysis	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn about textile marketing of sustainable apparel and the textile value chains from product concept to the consumer. A variety of topics on global value chains, market analysis, product development, manufacturing, market and sourcing are explored. The global impact of trade and souring constraints are examined. Through readings, case studies and in-class industry presentations, students will explore a comprehensive array of contemporary issues, both social and regulatory, that help in understanding the complex value and supply chain. Prerequisite: CTE23XX
(3 hr. lecture)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2120	Portfolio Collection Development	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn the basics for the development of a presentation portfolio collection. Students will research fabrics to use in the design of collection concepts for specific market areas. Various formats will be explored using digital and analog media. Retail market research and the internet may be applied as a basis for a design presentation. Prerequisite: CTE1401, CTE1401L
(3 hr. lecture)

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2836	Global Merchandising	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn the merchandising practices used around the world in fashion apparel companies, both in retail and wholesale. American merchandising theory is used as a base of comparison in the consideration of various religions, cultures, legal systems, and other global systems. Corequisite: CTE27XX (3 hr. lecture)

Course No.	Course Title	Credits	Campus	Eff. Term
CTE2111C	Digital Fashion Portfolio	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: In this course students will learn to integrate computer aided design tools in the creative process of developing a digital fashion collection portfolio. Visual presentation and specific applications will be used. (1 hr. lecture 2 hr. lab)

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Motion 3: Approve request to add course user fee for 4 courses.

CET721C Fashion Design 1
CET1760C Creative Design
CET2310C Basic Clothing Construction
CET2722C Fashion Design 2

Proposed Fee: **$390.00**
Rationale/Justification: **We are estimating the maximum number of 16 students per course. There will be 3 sessions per course offered during the year for a total estimate of 48 students.**

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Motion 4: Approve to modify and add one (1) existing course to the proposed AS in Fashion Marketing Management & Design (AS FMM&D).

Course No.	Course Title	Credits	Campus	Eff. Term
CTE1401	Textiles	3	1, 2, 3, 5, 6, 7/Ctr.	2016-1(216-7)

Course Description: This is a survey course designed for students majoring in fashion-related curriculum or with a general interest in textile materials. Students will learn basic elements of the transformation from fiber of textiles into finished goods. The course provides insights into textile manufactures with a primary focus on general textile applications relative to end-use consumer products. Students will learn the terminology needed for effective communication throughout the fashion supply chain, gain insight and appreciation for the relative value of textile products and the appropriateness of specific textile uses. (3 hr. lecture)

Curriculum Action Rationale: Modification to existing course. To be utilized in the new AS degree in Fashion Marketing Management & Design.

VOTE: UNANIMOUS APPROVAL
IN FAVOR 35
OPPOSED 0
ABSTAINED 0

Miami Dade College

Fashion Marketing Management & Design
Associate in Science

C.I.P. (TBD)

Total credits required for the degree is 60.00

The Associate in Science degree in Fashion Marketing Management and Design offers students a comprehensive education of the fashion business. The program offers students instruction in process, skills, and designs from concept development through production for emergence into the fashion business or fashion design segments of the industry.

Course	Course Title	Credits	Pre-/Co-Requisites
GENERAL EDUCATION – 15 Credits Required			
Communications – 3 Credits Required			
ENC 1101	English Composition 1	3	Pre-Req Approved Placement Testing
Oral Communication – 3 Credits Required			
SPC 1017	Fundamentals of Speech Communications	3	
Humanities – 3 Credits Required			
PHI 2604	Critical Thinking/Ethics	3	Pre-Req ENC 1101
Behavioral and Social Science – 3 Credits Required			
ECO 2013	Principles of Economics (MACRO)	3	
Mathematics – 3 Credits Required			
MAC 1105	College Algebra	3	Pre-Req MAT 1033 or Placement Testing
Computer Competency			
CGS 1060	Introduction to Microcomputer Usage		***Credits count towards Major Core**
OR			
Computer Competency Test (CCT)			
MAJOR CORE REQUIREMENTS – 17 Credits Required			
CGS 1060	Introduction to Microcomputer Usage	4	
CTE 1401	**Introductory Textile Science**	**3**	
CTE 1401L	**Introductory Textile Science Lab**	**1**	
CTE 18XX	**Introduction to the Fashion Industry**	**3**	
CTE 2732	Fashion Illustration Technology	3	
MAN 2021	Principles of Management	3	
PROGRAM CORE REQUIREMENTS (*Chose one (1) of the following track options*)			
***Fashion Business Track Option* - 21 Credits Required**			
CTE 23XX	**Principles of Contemporary Retailing**	**3**	**Pre-Req CTE 18XX**
CTE 24XX	**Product Development**	**3**	**Pre-Req CTE 1401, 1401L**
CTE 26XX	**Fashion Forecasting & Research**	**3**	**Pre-Req CTE 18XX, MAR 1011**
CTE 27XX	**Fashion Merchandising Strategies**	**3**	**Pre-Req CGS 1060**
CTE 2800	**Textile, Apparel & Retail Analysis**	**3**	**Pre-Req CTE 23XX**
CTE 283X	**Global Merchandising**	**3**	**Co-Req CTE 27XX**
MAR 1011	Principles of Marketing	3	
***Fashion Design Track Option* - 21 Credits Required**			
CTE 1721C	**Fashion Design I**	**3**	**Pre-Req CTE 1401, 1401L**
CTE 1760C	**Creative Design**	**3**	**Pre-Req CTE 1401, 1401L**
CTE 1841C	**Apparel Evaluation & Production**	**3**	**Pre-Req CTE 1401, 1401L**
CTE 2310C	**Basic Clothing Construction Methods**	**3**	**Co-Req CTE 1721C**
CTE 2722C	**Fashion Design 2**	**3**	**Pre-Req CTE 1721C**
CTE 281X	**Portfolio Collection Development**	**3**	**Pre-Req CTE 1401, 1401L**
CTE 285XC	**Digital Fashion Portfolio**	**3**	**Pre-Req CAD/Photoshop/Illustrator**
Internship/Seminar – 7 Credit Required			
CTE 1930	**Seminar**	**3**	**Pre-Req Departmental Approval & Completion of the Program Core Requirements**
CTE 1942	**Fashion Industry Internship**	**4**	**Pre-Req Departmental Approval & Completion of the Program Core Requirements**

	TOTAL CREDITS
General Education Requirements	15 cr.
Major Core Requirements	17 cr.
Program Core Requirements	21 cr.
Internship/Seminar	7 cr.
Total	60 cr.

ADDITIONAL INFORMATION:

Computer Competency: By the **16th earned** college level credit (excluding EAP and college preparatory courses), a student **must take** the Computer Competency Test and pass

Or

By the **31st earned** college level credit (excluding EAP and college preparatory courses), a student **must pass** CGS 1060, an equivalent continuing education or vocational credit course or retest with a **passing score on the Computer Competency Test**.

Students should check their individualized Degree Audit Report to determine the specific graduation policies in effect for their program of study for the year and term they entered Miami Dade. This outline includes current graduation requirements.

The final responsibility for meeting graduation requirements rests with the student.

7. School of Health Sciences

- **Program Modifications**

Program Title: Physical Therapist Assistant
Degree Type: Associate in Science (A.S.)
Program Code: 23034/23035
Effective Term: Fall 2016-1(216-7)
Affected Campus (es): Medical

Administrator (s): Ken Lee
Faculty: Marlene Carmona

Motion 1: **As a response to the Commission on Accreditation in Physical Therapy Education (CAPTE), the School of Health Sciences & Related Studies, is requesting to modify the Physical Therapy Assistant (PTA) program to meet accreditation standards by providing a degree that can be completed in no more than five (5) semesters of full time study.**

Proposed Modifications:

4. Change of general education courses to be in line with the State of Florida general education core.

5. Course Credit change for:
   e. PHT 1102 - Anatomy for the Physical Therapist Assistant from 2 credits to 3 credits.
   f. PHT 2224 - Disabilities and Therapeutic Procedures II from 4 credits to 3 credits.
   g. PHT 2810 - Clinical Practice and Conference II from 5 credits to 7 credits and a title change from Clinical Practice and Conference II to Clinical Practice I.
   h. PHT 2820 - Clinical Practice and Conference III from 7 credits to 9 credits and a title change from Clinical Practice and Conference III to Clinical Practice II.

6. Course Deletion:
   b. PHT 2801 - Clinical Practice and Conference I. Course content will be met in PHT 2810 and 2820 Clinical Practice I and II.

VOTE: UNANIMOUS APPROVAL

IN FAVOR	**35**
OPPOSED	**0**
ABSTAINED	**0**

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: PHYSICAL THERAPIST ASSISTANT (23034)

PROPOSED SEMESTER GUIDE

Fall Semester (1st)

**ENC 1101	English Composition 1	3	Pre-Req Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).
BSC 2085	Human Anatomy & Physiology 1	3	Pre/Co-Req BSC 2085L
BSC 2085L	Human Anatomy & Physiology I Lab	1	Pre/Co-Req BSC 2085
HIM 2472	Medical Terminology	3	
Mathematics Selection (MAC 1105 or STA 2023)		3	Pre-Req MAT 1033 or Appropriate Placement Score
PHY 1004	Physics with Applications 1	3	Pre-Req MAT 1033 or Higher
PHY 1004L	Physics with Applications 1 Lab	1	Co-Req PHY 1004
	Total =	**17**	

Spring Semester (2nd)

BSC 2086	Human Anatomy & Physiology II	3	Pre-Req BSC 2085; Co-Req BSC 2086L
BSC 2086L	Human Anatomy & Physiology II Lab	1	Pre-Req BSC 2085L; Co-Req BSC 2086
PSY 2012	Introduction to Psychology	3	
PHT 1102	Anatomy for the Physical Therapist Assistant	3	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1201, 1201L, 1211, 1211L
PHT 1201	Introduction to Physical Therapy	2	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201L, 1211, 1211L
PHT 1201L	Introduction to Physical Therapy Lab	1	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201, 1211, 1211L
PHT 1211	Disabilities & Therapeutic Procedures I	2	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201, 12010, 1211L
PHT 1211L	Disabilities & Therapeutic Procedures I Lab	1	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201, 12010, 1211
Elective (MAC 1105, MAT 1033, SPC 1017, PHI 2604, CGS 1060 or CCT, STA 2023)		3	Pre-Req Check with advisor
	Total =	**19**	

Summer Semester (3rd)

PHT 2120	Applied Kinesiology	2	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211, 1211L Co-Req PHT 2120L, 2224, 2224L
PHT 2120L	Applied Kinesiology Lab	1	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211, 1211L Co-Req PHT 2120, 2224, 2224L
PHT 2224	Disabilities and Therapeutic Procedures II	3	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211, 1211L Co-Req PHT 2120, 2120L, 2224L
PHT 2224L	Disabilities and Therapeutic Procedures II	2	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211, 1211L Co-Req PHT 2120, 22120L, 2224

Humanities Selection (ARH 1000, HUM 1020, LIT 2000, MUL 1010, PHI 2010, THE 2000)		3	Pre-Req ENC 1101 (for LIT 2000 and PHI 2010)
		Total =	**11**

Fall Semester (4th)

PHT 2162	Survey of Neurological Deficits	3	Pre-Req PHT 2120, 22120L, 2224, 224L Co-Req PHT 2701, 2701L
PHT 2701	Rehabilitation Procedures	3	Pre-Req PHT 2120, 22120L, 2224, 224L Co-Req PHT 2162, 2701L
PHT 2701L	Rehabilitation Procedures Lab	2	Pre-Req PHT 2120, 22120L, 2224, 224L Co-Req PHT 2162, 2701
PHT 2810	Clinical Practice and Conference I	7	Pre-Req PHT 2162, 2701, 2701L
		Total = 15	

Spring Semester (5th)

PHT 2931	Seminar	3	Pre-Req PHT 2162, 2701, 2701L
PHT 2820	Clinical Practice and Conference II	9	Pre-Req PHT 2810
		Total = 12	

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ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: PHYSICAL THERAPIST ASSISTANT (23034)

CURRENT DISPLAYING MODIFICATIONS

GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)	
ENC 1101 - English Composition 1	(3 credits)
2. ORAL COMMUNICATIONS (3.00 credits)	
SPC 1017 - Fundamentals of Speech Communication	(3 credits)
3. HUMANITIES (3.00 credits)	
PHI 2604 - Critical Thinking/Ethics	(3 credits)
4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)	
CLP 1006 - Psychology of Personal Effectiveness	(3 credits)
5. MATH/SCIENCE (3.00 credits)	
BSC 2085 - Human Anatomy and Physiology 1	(3 credits)

COMPUTER COMPETENCY

Test type(s) needed:
CCT or CGS 1060

SCIENCE (9.00 credits)

BSC 2085L - Human Anatomy and Physiology 1 Laboratory	(1 credits)
BSC 2086 - Human Anatomy & Physiology 2	(3 credits)
BSC 2086L - Human Anatomy & Physiology 2 Laboratory	(1 credits)
PHY 1004 - Physics with Applications 1	(3 credits)
PHY 1004L - Physics with Applications 1 Lab	(1 credits)

OTHER ELECTIVES (3.00 credits)

CHM*, GLY*, HSC*, MAC*, MGF*, MTB*, PSC*, PSY*

NOTE: ***The following course(s) are not allowed for credit in this area.***
CHM1020L, CHM1025L, CHM1033L, CHM1045L, CHM1046L, CHM2210L, CHM2211L, GLY1010L, GLY1100L, HSC0003, MGF1118L, MTB1302L, PSC1515L

FIRST TERM IN PROGRAM (11.00 credits)

HIM 2472 - Medical Terminology	(3 credits)
PHT 1102 - Anatomy for the Physical Therapist Assistants	(~~2~~ 3 credits)
PHT 1201 - Introduction to Physical Therapy	(2 credits)
PHT 1201L - Introduction to Physical Therapy Laboratory	(1 credits)
PHT 1211 - Disabilities and Therapeutic Procedures 1	(2 credits)
PHT 1211L - Disabilities and Therapeutic Procedures 1 Lab	(1 credits)

SECOND TERM IN PROGRAM (9.00 credits)

PHT 2120 - Applied Kinesiology	(2 credits)
PHT 2120L - Applied Kinesiology Laboratory	(1 credits)
PHT 2224 - Disabilities and Therapeutic Procedures 2	(~~4~~ 3 credits)
PHT 2224L - Disabilities and Therapeutic Procedures 2 Lab	(2 credits)

THIRD TERM IN PROGRAM (12.00 credits)

PHT 2162 - Survey of Neurological Deficits	(3 credits)
PHT 2701 - Rehabilitation Procedures	(3 credits)
PHT 2701L - Rehabilitation Procedures Laboratory	(2 credits)
~~PHT 2801 - Clinical Practice and Conference 1~~	~~(4 credits)~~

FOURTH TERM IN PROGRAM (8.00 credits)

PHT 2810 - Clinical Practice 1 ~~and Conference 2~~	(~~5~~ 7 credits)
PHT 2931 - Seminar for Physical Therapist Assistants	(3 credits)

FIFTH TERM IN PROGRAM (7.00 credits)

PHT 2820 - Clinical Practice 2 ~~and Conference 3~~	(7 credits)

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: PHYSICAL THERAPIST ASSISTANT (23034)

PROPOSED

General Education – 15 Credits Required

Communications – 3 Credits Required

**ENC 1101	English Composition 1	3	Pre-Req Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).

Humanities – 3 Credits Required

ARH 1000	Art Appreciation	3	
HUM 1020	Humanities	3	
**LIT 2000	Introduction to Literature	3	Pre-Req ENC 1101
MUL 1010	Music Appreciation	3	
**PHI 2010	Introduction to Philosophy	3	Pre-Req ENC 1101
**THE 2000	Theatre Appreciation	3	

Behavioral and Social Science – 3 Credits Required

PSY 2012	Introduction to Psychology	3	

Natural Science – 3 Credits Required

BSC 2085	Human Anatomy & Physiology 1	3	Pre/Co-Req BSC 2085L

Mathematics – 3 Credits Required

***MAC 1105	College Algebra	3	Pre-Req MAT 1033 or Appropriate Placement Score
***STA 2023	Statistical Methods	3	Pre-Req MAT 1033 or Appropriate Placement Score

Computer Competency Requirement

(Minimum Grade of "D")
Computer Competency Test (CCT)
Or

CGS1060C	Introduction to Computer Technology & Applications

Major Core Requirements - 12 Credits Required

BSC 2085L	Human Anatomy & Physiology I Lab	1	Pre/Co-Req BSC 2085
BSC 2086	Human Anatomy & Physiology II	3	Pre-Req BSC 2085; Co-Req BSC 2086L
BSC 2086L	Human Anatomy & Physiology II Lab	1	Pre-Req BSC 2085L; Co-Req BSC 2086
HIM 2472	Medical Terminology	3	
PHY 1004	Physics with Applications 1	3	Pre-Req MAT 1033 or Higher
PHY 1004L	Physics with Applications 1 Lab	1	Co-Req PHY 1004

Program Core Requirements - 25 Credits Required

PHT 1102	Anatomy for the Physical Therapist Assistant	3	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1201, 1201L, 1211, 1211L
PHT 1201	Introduction to Physical Therapy	2	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201L, 1211, 1211L
PHT 1201L	Introduction to Physical Therapy Lab	1	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201, 1211, 1211L
PHT 1211	Disabilities & Therapeutic Procedures I	2	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201, 12010, 1211L
PHT 1211L	Disabilities & Therapeutic Procedures I Lab	1	Pre-Req BSC 2085, 2085L, PHY 1004, 1004L Co-Req PHT 1102, 1201, 12010, 1211

PHT 2120	Applied Kinesiology	2	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211, 1211L Co-Req PHT 2120L, 2224, 2224L
PHT 2120L	Applied Kinesiology Lab	1	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211,1211L Co-Req PHT 2120, 2224, 2224L
PHT 2224	Disabilities and Therapeutic Procedures II	3	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211,1211L Co-Req PHT 2120, 2120L, 2224L
PHT 2224L	Disabilities and Therapeutic Procedures II	2	Pre-Req BSC 2085, 2085L, PHT 1201, 1201L, 1211, 1211,1211L Co-Req PHT 2120, 22120L, 2224
PHT 2162	Survey of Neurological Deficits	3	Pre-Req PHT 2120, 22120L, 2224, 224L Co-Req PHT 2701, 2701L
PHT 2701	Rehabilitation Procedures	3	Pre-Req PHT 2120, 22120L, 2224, 224L Co-Req PHT 2162, 2701L
PHT 2701L	Rehabilitation Procedures Lab	2	Pre-Req PHT 2120, 22120L, 2224, 224L Co-Req PHT 2162, 2701

Clinical/Seminar Requirements - 19 Credits Required

PHT 2810	Clinical Practice I	7	Pre-Req PHT 2162, 2701, 2701L
PHT 2931	Seminar	3	Pre-Req PHT 2162, 2701, 2701L
PHT 2820	Clinical Practice II	9	Pre-Req PHT 2810

Elective - 3 Credits Required

CGS 1060C	Introduction to Computer Technology & Applications	4	
**ENC 1102	English Composition 2	3	Pre-Req ENC 1101
***MAC 1105	College Algebra	3	Pre-Req MAT 1033 or Appropriate Placement Score
MAT 1033	Intermediate Algebra	3	Pre-Req Student must meet the Developmental Education mathematics requirement in State Rule 6A-10.0315(by course, placement score, or eligible exemption) or MAT0022C, or MAT0028, or MAT0057
**PHI 2604	Critical Thinking & Ethics	3	Pre-Req ENC 1102
**SPC 1017	Fundamentals of Speech Communications	3	
***STA 2023	Statistical Methods	3	Pre-Req MAT 1033 or Appropriate Placement Score

Note: Items in BLUE are having the Prerequisites and/or Corequisites modified.

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: PHYSICAL THERAPIST ASSISTANT – PRESELECT (23035)

CURRENT DISPLAYING MODIFICATIONS

GENERAL EDUCATION REQUIREMENTS

1. COMMUNICATIONS (3.00 credits)
   ENC 1101 - English Composition 1 (3 credits)
2. ORAL COMMUNICATIONS (3.00 credits)
   SPC 1017 - Fundamentals of Speech Communication (3 credits)
3. HUMANITIES (3.00 credits)
   PHI 2604 - Critical Thinking/Ethics (3 credits)
4. BEHAVIORAL/SOCIAL SCIENCE (3.00 credits)
   CLP 1006 - Psychology of Personal Effectiveness (3 credits)
5. MATH/SCIENCE (3.00 credits)
   BSC 2085 - Human Anatomy and Physiology 1 (3 credits)

COMPUTER COMPETENCY

Test type(s) needed:
CCT or CGS 1060

SCIENCE (9.00 credits)

BSC 2085L - Human Anatomy and Physiology 1 Laboratory (1 credits)
BSC 2086 - Human Anatomy & Physiology 2 (3 credits)
BSC 2086L - Human Anatomy & Physiology 2 Laboratory (1 credits)
PHY 1004 - Physics with Applications 1 (3 credits)
PHY 1004L - Physics with Applications 1 Lab (1 credits)

OTHER ELECTIVES (3.00 credits)

CHM*, GLY*, HSC*, MAC*, MGF*, MTB*, PSC*, PSY*

NOTE: ***The following course(s) are not allowed for credit in this area.***
CHM1020L, CHM1025L, CHM1033L, CHM1045L, CHM1046L, CHM2210L, CHM2211L, GLY1010L, GLY1100L, HSC0003, MGF1118L, MTB1302L, PSC1515L

ASSOCIATE IN SCIENCE DEGREE
PROGRAM OF STUDY: PHYSICAL THERAPIST ASSISTANT – PRESELECT (23035)

PROPOSED

General Education – 15 Credits Required

Communications – 3 Credits Required

**ENC 1101	English Composition 1	3	Pre-Req Student must meet the Developmental Education reading and writing requirements in State Rule 6A-10.0315 (by course, placement score, or eligible exemption).

Behavioral and Social Science – 3 Credits Required

PSY 2012	Introduction to Psychology	3	

Natural Science – 3 Credits Required

BSC 2085	Human Anatomy & Physiology 1	3	Pre/Co-Req BSC 2085L

Mathematics – 3 Credits Required

***MAC 1105	College Algebra	3	Pre-Req MAT 1033 or Appropriate Placement Score
***STA 2023	Statistical Methods	3	Pre-Req MAT 1033 or Appropriate Placement Score

Computer Competency Requirement

(Minimum Grade of "D")
Computer Competency Test (CCT)
Or

CGS1060C	Introduction to Computer Technology & Applications

Major Core Requirements - 12 Credits Required

BSC 2085L	Human Anatomy & Physiology I Lab	1	Pre/Co-Req BSC 2085
BSC 2086	Human Anatomy & Physiology II	3	Pre-Req BSC 2085; Co-Req BSC 2086L
BSC 2086L	Human Anatomy & Physiology II Lab	1	Pre-Req BSC 2085L; Co-Req BSC 2086
HIM 2472	Medical Terminology	3	
PHY 1004	Physics with Applications 1	3	Pre-Req MAT 1033 or Higher
PHY 1004L	Physics with Applications 1 Lab	1	Co-Req PHY 1004