Curriculum Committee Agenda

April 3, 2020	1:30 PM – 3:30 PM	Meeting Via Zoom
CHAIR	Dr. Mary Myers	
VICE CHAIR	Professor Sheila Seelau	

ACTION ITEM	1			
TYPE OF PROPOSAL	Change of Program or Certificate			
PRESENTER	Professor Don Ransford			
AA General Education			**Effective Date: Fall, 2021**	
Summary of proposed changes:				
In the Mathematics Category, the course MGF1113 Mathematics for Teachers (3 credits) should be moved from the Core Mathematics General Education Courses to the Additional Mathematics General Education Courses.				
CURRICULUM ACTION				
☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	2			
TYPE OF PROPOSAL	New Course			
PRESENTER	Dr. Myriam Mompoint			
LAS1140 or LAS2140 – Arts & Cultures of Latin America & the Caribbean			**Effective Date: Fall, 2021**	
Summary of proposed changes:				
This course is intended as a multidisciplinary introduction to the various peoples, cultures and countries that make up Latin America, the Caribbean, and their boundary transcending diasporic communities. Through analysis of various modes of creative expression thot have emerged from the region, students will get on overview of the significant cultural production of these societies.				
CURRICULUM ACTION				
☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	3
TYPE OF PROPOSAL	Change of Course
PRESENTER	Dr. Terry McVannel-Erwin
HUS2905 – Directed Individual Study	**Effective Date: Fall, 2021**

Summary of proposed changes:

We are reducing the number of credits for the General Education Natural Sciences requirement from 4 credits to 3 credits. This allows us to increase the course credits for HUS 2905 from 2 to 3 credits. Students enrolled in HUS 2905 will now be required to take the National Human Services-Board Certified Practitioner (HS-BCP) Exam. Extending course hours in HUS 2905 will maximize the time we have to help students study for and take the HS-BCP Exam. This change does not require updates to the Topic Outline or Course Objectives/Standards.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	4
TYPE OF PROPOSAL	Change of Program or Certificate
PRESENTER	Dr. Terry McVannel-Erwin
Social and Human Services AS Degree	**Effective Date: Fall, 2021**

Summary of proposed changes:

Current General Education Requirement:

 Natural Sciences - Any General Education Natural Sciences Course with a Lab 4 credits

*BSC 1005, BSC 1085C, or BSC 1010, BSC 1010L is recommended for students wishing to pursue a bachelor's degree in a related field.

Proposed Change to Current General Education Requirement:*

 Natural Sciences - Any General Education Natural Sciences Course with a lab 3 credits

*BSC 1005/1005L, or BSC 1010/BSC 1010L is recommended for students wishing to pursue a bachelor's degree in a related field.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	5
TYPE OF PROPOSAL	New Course
PRESENTER	Dr. George Kodsey & Dr. Mary Myers
CEN4333 – Advanced Database Development	**Effective Date: Fall, 2021**

Summary of proposed changes:

This course explores various topics in database management systems (DBMS), using a typical commercial DBMS (e.g., MySQL, SQL server). Administration, security, stored procedures, triggers, transactions, functions, data mining, data warehousing, and remote access to databases are some of the topics covered. The student is expected to demonstrate an understanding of these database concepts through creating, deploying, and utilizing various relational database designs.

This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	6
TYPE OF PROPOSAL	New Course
PRESENTER	Professor Melinda Lyles & Dr. Mary Myers
CIS3360 – Principles of Security	**Effective Date: Fall, 2021**

Summary of proposed changes:

This course provides an overview of information systems security principles, practices, methods, and tools for organizational and institutional computing. Students will explore the relationship between policy and security, the mechanisms used to implement countermeasures to align and apply to policies, methodologies and technologies necessary for information assurance, cybersecurity threat analysis, and intrusion detection. This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	7
TYPE OF PROPOSAL	New Course
PRESENTER	Professor Melinda Lyles & Dr. Mary Myers
CIS3361 – Information Technology Security Management	**Effective Date: Fall, 2021**

Summary of proposed changes:

This course explores the management, design, oversight and assessment of information security and assurance. Students will develop an information security strategy and supporting documentation on a system, will write information security policies, and develop strategies to manage information risk. Topics covered include: Access control models, information security governance, and information security program assessment that aligns with security program development and management, business continuity planning and disaster recovery planning. This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	8
TYPE OF PROPOSAL	New Course
PRESENTER	Professor Melinda Lyles & Dr. Mary Myers
CIS4523 – Managing IT Projects	**Effective Date: Fall, 2021**

Summary of proposed changes:

This course will provide an overview using the tools and concepts needed to lead an Information Technology (IT) project teams using a methodology. Completion of this course will show competency in each of the methodology phases: Define, Measure, Analyze, Improve and Control, but more importantly will provide understanding in how to implement, perform, interpret and apply concepts. In order to be successful, students must engage and collaborate as a team and account for diverse dynamics. This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	9
TYPE OF PROPOSAL	New Course
PRESENTER	Dr. George Kodsey & Dr. Mary Myers
COP3505 Intermediate Computer Programming	**Effective Date: Fall, 2021**

Summary of proposed changes:

This is a programming course to develop problem-solving techniques for numerical and non-numerical problems from various disciplines. Students will design the solution to each problem and implement it in a current programming language (such as Python). Coverage includes an introduction to computer system, flow control, functions, I/O streams, arrays, strings, and classes. This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	10
TYPE OF PROPOSAL	New Course
PRESENTER	Dr. George Kodsey & Dr. Mary Myers
COP3538 – Data Structures for IT	**Effective Date: Fall, 2021**

Summary of proposed changes:

This course introduces the student to the basic concepts of data structures in software development including lists, stacks, queues, binary search trees, binary trees, hash tables, and internal searching and sorting. It also introduces the student to running time of a program, and algorithm efficiency.
This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	11
TYPE OF PROPOSAL	New Course
PRESENTER	Dr. George Kodsey & Dr. Mary Myers
COP3804 – Intermediate Java Programming	**Effective Date: Fall, 2021**

Summary of proposed changes:

This course assumes prior programming experience in Java and is designed to expand students' knowledge of computer science and sharpen their programming skills. The course extends object-oriented programming techniques, data structures (e.g., linked lists, stacks, queues, and trees), and an introduction to the analysis of algorithms that operate on those data structures. This course is being proposed as an update to the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	12
TYPE OF PROPOSAL	Change of Course
PRESENTER	Dr. Mary Myers
COP3655 – Application Development for Mobile Devices	**Effective Date: Fall, 2021**

Summary of proposed changes:

Change to the general topic outline and learning outcomes to reflect changes in technology and to broaden scope of operating systems that can be used. This course is being updated to enhance the curriculum in the BAS- Information Technology Systems degree.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	13			
TYPE OF PROPOSAL	Change of Course			
PRESENTER	Dr. Mary Myers			
COP4807 – Web Application Programming			**Effective Date: Fall, 2021**	
Summary of proposed changes:				
Change to the general topic outline and learning outcomes to reflect changes in technology and to broaden scope of operating systems that can be used. Change in the prerequisite courses. This course is being updated to enhance the curriculum in the BAS- Information Technology Systems degree.				
CURRICULUM ACTION				
☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

ACTION ITEM	14			
TYPE OF PROPOSAL	Change of Program or Certificate			
PRESENTER	Dr. Mary Myers			
BAS – Information Systems and Technology			**Effective Date: Fall, 2021**	
Summary of proposed changes:				
The computer science faculty have been working on revising and updating the BAS – Information Systems and Technology degree. The original proposal was returned by the state and we were tasked with creating a program that AS Programming and AS Networking students can both enroll in without having to take an extraordinary amount of additional lower level classes. The faculty created a two-track option. They also updated the curriculum to reflect that changes that have occurred in technology and to make the course work as platform/language neutral as possible so that the courses can adapt easily to future changes. If the actions are approved, the degree will be resubmitted to the state DOE.				
CURRICULUM ACTION				
☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

INFORMATION ITEM	15
TYPE OF PROPOSAL	Change of Program or Certificate
PRESENTER	Dr. Mary Myers

Computer Programming and Analysis, AS Computer Programmer CCC	Effective Date: Fall, 2020

Summary of proposed changes:

Upon review of CGS1100, Computer Applications for Business, and CGS2108, Computer Applications with Flowcharting, it was determined that the courses are more than 70% equivalent. The faculty recommends making the two classes equivalent in Banner. The preferred course will now be CGS1100.

CURRICULUM ACTION

☐ **Accepted**	☐ Accepted with Minor Corrections	☐	Proposal Postponed	☐ Proposal Denied

COMMITTEE BUSINESS	

1. Election of New Chair
2. Nominations for Vice Chair
3. Committee members – terms ending

Curriculum Committee

FLORIDA SOUTHWESTERN STATE COLLEGE

Change of Program or Certificate Proposal

Note required information: *Program or certificate changes require a change to the catalog page. All change of program or certificate proposals must include the new catalog page, with all proposed changes, at the end of this document. All changes that affect the courses, words, numbers, symbols, program description, admissions requirements, and graduation requirements must be documented. Note before completing this proposal that all new courses and current prerequisite, co-requisite, core, or elective courses changes must have already been reviewed (or submitted for the same meeting) by the Curriculum Committee and approved by the Provost. The Track Changes feature in Word must be used to illustrate all changes to the catalog page.*

School or Division	School of Pure and Applied Sciences
Program or Certificate	AA General Education Program
Proposed by (faculty only)	Dr. Ivana Ilic, Don Ransford
Presenter (faculty only)	Don Ransford
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date.	
Submission date	2/28/2020

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
Type in the explanation for exception.	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Donald J. McGarey		3/2/2020
Provost	**Signature**	**Date**
Dr. Eileen DeLuca		

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Ivana Ilic	3/2/2020
Academic Dean or Provost	Donald McGarey	3/2/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Ivana Ilic, Don Ransford

Section II, Proposed Changes

Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)	☒ Yes ☐ No
Have the deans of the General Studies been contacted/consulted?	☒ Yes ☐ No
Have you attached an updated catalog page?	☒ Yes ☐ No
Change of School, Division, or Department	List new school, division, or department
Change to program or certificate name	List new program or certificate name
List below, any changes to the program or certificate prerequisites. Include course titles and credits if applicable.	
List changes to program or certificate prerequisites	
List below, any changes to the General Education requirements. Include course titles and credits if applicable.	
In the *Mathematics Category*, the course *MGF 1113 Mathematics for Teachers 3 credits* should be moved from the *Core Mathematics General Education Courses* to the *Additional Mathematics General Education Courses*.	
List below, any changes to the program or certificate Core requirements. Include course titles and credits if applicable.	
List changes to program or certificate Core requirements	
List below, any changes to the program or certificate Elective requirements. Include course titles and credits if applicable.	
List changes to program or certificate Elective requirements	
List below, any other changes to the program or certificate requirements.	
List other changes	
Change to program length (credits or clock hours to complete)	From: To:

Include complete new catalog page as an attachment. Proposals without the new catalog page will not be reviewed by the committee.

Section III, Justification for proposal

Include state frameworks, accrediting or professional organization recommendations or requirements, workforce data, and/or crosswalks.

Provide justification (below) for each change on this proposed curriculum action.
The FDOE only lists five official *Core General Education* courses: MAC 1105, MAC 2311, MGF 1106, MGF 1107 and STA 2023 [As a footnote, they do accept any math course for which any of the five listed is a prerequisite, but MGF 1113 does not fit that description.] Therefore, even though FSW recognizes that MGF 1113 and MGF 1106 share enough objectives to restrict students from receiving credit for both, we cannot officially list MGF 1113 as a *Core General Education* course in our catalog without petitioning the FDOE for permission to do so.

Curriculum Committee

New Course Proposal

FLORIDA SOUTHWESTERN STATE COLLEGE

School or Division	School of Arts, Humanities, and Social Sciences
Program or Certificate	AA, General Education
Proposed by (faculty only)	Myriam Mompoint, Ph. D.
Presenter (faculty only)	Myriam Mompoint, Ph. D.
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/16/2020
Course prefix, number, and title	LAS 1140 or LAS 2140 Arts & Cultures of Latin America & the Caribbean

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
N/A	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox. N/A		
Dean	**Signature**	**Date**
Deborah D. Teed	Deborah D Teed	3.19.2020
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Prof. Dana Roes	3/6/2020
Academic Dean or Provost	Dr. Deborah Teed	3/5/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Dr. Wendy Chase, Dr. Monica Krupinsky, Dr. Lee Sutter, Dr. Sonji Nicholas

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
Yes, I have contacted Arenthia Herren and will be working with her as the Collection Manager on utilizing library resources and making new acquisitions when and if necessary. This will not negatively impact the library in any way.

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	Prerequisites: SB 1720 Testing Exemption or Testing into ENC 1101; or completion of {(ENC 0025 and REA 0017) or (ENC 0022 and REA 0019)} with a "C" or better; or EAP 1620 and EAP 1640 with a "C" or better; or an eligible testing/course completion combination Required: Writing intensive-a minimum of 4,000 words of instructor-evaluated writing per student
Provide justification for the proposed prerequisite(s).	As this will be a WI course, students will need a foundation in composition and EAP
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	N/A
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	No
Course credits or clock hours	3 Hours
Contact hours (faculty load)	3 Hours
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	

This course is intended as a multidisciplinary introduction to the various peoples, cultures and countries that make up Latin America, the Caribbean, and their boundary transcending diasporic communities. Through analyses of various modes of creative expression that have emerged from the region, students will get an overview of the significant cultural production of these societies. The modules cover a range of disciplines: architecture (pre-Columbian sites, baroque and colonial, modern and contemporary); visual cultures (film, textiles, painting, sculpture, murals, telenovelas, etc.), national and diasporic literatures and literary movements; religion, music and performance (e.g. ritual and popular dance, theater, carnival, popular music), and essential texts of intellectual history. The broad range of subjects

gives students a solid foundation grounded in identifying and understanding the comparative complexities from among the predominant cultural traditions: Indigenous, African, Spanish, French, English, Dutch, Portuguese as well as contemporary Latinx, Caribbean diaspora, pan-Asian, Levantine, Afro-Latin fusions. As a result of completing this course students will also demonstrate their grasp of concepts such as creolization, mestizaje, assimilation, issues surrounding identity and migration patterns over the centuries. Completion of the course with a grade of "C" or better will satisfy the Writing Intensive Requirement.

General topic outline (type in outline below)
• Introducing the peoples & linguistic families in historical context • Delimiting the geographic parameters of the Latin America & the Caribbean • Defining social frameworks: religious syncretism, creolization, acculturation, assimilation, etc. • Understanding of migratory history and diasporic concepts • Analyzing major artistic, literary and intellectual movements • Identification of cultural heritage sites, architectural styles & significant structures • Studying material culture, artistic production and artists

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:

General Education Competency: **Visualize** and engage the world from different historical, social, religious, and cultural approaches. This course aims to provide students an alternate lens through which to understand the Americas by studying the historical development of Latin America and the Caribbean and the cultural periods that correspond to the evolution of the region. By engaging with a variety of works and cultures, students will compare different worldviews and gain a more complex understanding of the hemisphere and the peoples that inhabit the Americas. By tracing societal changes diachronically and synchronically, students will form more nuanced analyses and understanding the impacts of global forces and social processes as expressed by creative output in and from the regions.

1) Students will learn about Pre-Columbian societies, identify the different indigenous ethnic groups and insights gleaned from their structures, arts, religions and texts
2) Students will study the historical impacts of European conquests of the Americas and the consequences of the Middle Passage and triangular trade within the context of concepts such as *mestizaje*; creolization, assimilation
3) Through mapping exercises, students will learn the contours and topography of the region
4) Students will analyze the origins and evolution of religious syncretism and its manifestations throughout the Americas
5) Students will develop a basic understanding of linguistics including creolization and regional dialects, identify some indigenous languages and contemporary challenges in the contexts of language loss and migration
6) Students will compare and contrast different periods that have become identifiable markers of cultural and creative significance (e.g. *Magical Realism, Indigenismo, cinema novo, créolité, liberation theology, Rastafarianism, the Latin American Boom,* 21st century diaspora creatives, etc.)
7) Students will analyze various forms of historical and subversive resistance to oppression (slavery, genocide, revolution, dictatorship, economic, etc.) as expressed through the arts (e.g. capoeira, *corridos*, Mayan textile, folktales, murals, cinema, etc.)
8) Students will trace parallel aesthetic philosophies as they made their way around the globe (baroque, neoclassical, modern, indigenous, contemporary), as these are expressed in literature, architecture, music, visual arts

9) Students will study different articulations of "Americanness" (in the broad, hemispheric as well as the diasporic sense), freedom, citizenship, national identity, globalization as concepts by analyzing and comparing seminal texts in Latin American and Caribbean thought
10) Students will classify a multitude of perspectives by reading significant works on LACS topics

General Education Competency: **Investigate** and engage in the trans-disciplinary applications of research, learning, and knowledge. By drawing from a multitude of disciplines, students will apply trans-disciplinary methodologies to analyze the significance of the cultural production of Latin America and the Caribbean and those elements that make such works unique to the countries of this geographic region but also going beyond physical borders to understand the implications of migration and transcontinental, diasporic identities.

1) Students will study works in a variety of disciplines to contextualize the material culture and the evolution of the arts in Latin America and the Caribbean
2) Students will engage in multi-disciplinary tasks to demonstrate their ability to research topics in LACS studies from multiple approaches and contexts
3) Student projects will reflect their ability to make connections between historical events and corresponding articulations in various modalities
4) Through investigation and research, students will identify and assess the characteristics and circumstances that define specific works, structures and genres that are specific to the region
5) Students will analyze contemporary issues facing the geographic region as expressed through the arts and the implications in the context of 21st century globalization

2. Supplemental *General Education Competency or competencies*:

General Education Competency: **Communicate** clearly in a variety of modes and media. Students will engage with works in a variety of modalities and learn to express themselves in the vernaculars associated with each. By experiencing the region through literary, cinematic, visual, auditory and tactile modes students will go beyond mere textual analysis to creating a more comprehensive understanding of these expressive arts and demonstrating mastery of terminology that will better enable them to articulate their critical analysis of these works.

1) Students will develop a working knowledge of vocabulary particular to a variety of disciplines (e.g. architecture, film, ritual dance, poetry) in order to better discuss specific works
2) Students will study the characteristics of specific genres and identify significant works
3) Through comparative analysis, students will ascertain identifiable markers that distinguish specific eras of creativity and thought

4) Students will engage in academic writing assignments for guided and specific tasks that demonstrate their understanding of individual modules
5) Students will demonstrate their ability to synthesize a transdisciplinary approach by creating scholarly works from informed perspectives
6) Students will discuss issues relating to LACS with clarity and in an authoritative manner

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ....
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

Statewide Course DetailBrowse Statewide Courses: GO

Discipline
116-LATIN AMERICAN STUDIES
Discipline Definition
COURSES THAT DESCRIBE THE HISTORY, SOCIETY, POLITICS, CULTURE, AND ECONOMICS OF MEXICO, THE CARIBBEAN, CENTRAL AND SOUTH AMERICA.
Prefix
LAS-LATIN AMERICAN STUDIES
Prefix Definition
COURSES THAT DESCRIBE THE HISTORY, SOCIETY, POLITICS, CULTURE, AND ECONOMICS OF MEXICO, THE CARIBBEAN, CENTRAL AND SOUTH AMERICA.
Century Title
000-099-INTRODUCTORY, ENTRY LEVEL COURSES - BROAD DISCIPLINE AREA
Decade Title
000-009-INTRODUCTION TO LATIN AMERICAN STUDIES
StateWide Course
LAS 000-INTRODUCTION TO LATIN AMERICAN STUDIES
Status
ACTIVE
Transfer

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

GUARANTEED TRANSFER TO INSTITUTION OFFERING SAME COURSE.

Course Intent

LOWER

Prerequisites

NONE

Corequisites

NONE

Profile Description

BEGINNING COURSE OF THE LATIN AMERICAN STUDIES CURRICULUM. SERVES AS AN INTRODUCTION TO THE METHODOLOGIES OF THE FIELD AND DESCRIBES LIFE IN LATIN AMERICA.

ICS code for this course	ADVANCED AND PROFESSIONAL - 1.18.49 - INTERDISCIPLINARY
Institutional Reporting Code	11703 AREA STUDIES
Degree Attributes	AA - AA COURSE
Degree Attributes (if needed)	WRI - WRITING INTENSIVE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No
Is the course an "International or Diversity Focus" course?	Yes, International or Diversity Focus
Is the course a General Education course?	Yes
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*?	No

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

(A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	No
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	N/A
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
This course will lead to deeper cultural understanding and awareness of Latin American and Caribbean societies. Studies show that the type of cultural empathy cultivated by this type of curriculum fosters civic engagement and is increasingly sought after by employers. The current LACS courses are in the fields of sociology, anthropology, religion, history, literature. In addition, coursework tends to organize the region along linguistic lines, placing the Hispanic, Francophone, Lusophone and Anglophone countries in separate silos; very few incorporate the Dutch-speaking islands of the Caribbean and Suriname at all. This course will offer a more comprehensive approach as well as providing opportunities for students to study the artistic productions of the region in a broad array of humanities disciplines. Going beyond the typical coursework on music, painting and literature, the course would include lesser studied but significant production in architecture, textiles, cinema. In addition, it lends itself to modification as part of an IDS or IDH interdisciplinary team-taught course. An example would be working with science faculty to incorporate LACS ecological studies. The curriculum's breadth will also allow faculty a good amount of flexibility in deciding on the content of the various modules.

Curriculum Committee

Change of Course Proposal

School or Division	School of Health Professions
Program or Certificate	Social and Human Services, A.S. Degree
Proposed by (faculty only)	Dr. Terry McVannel-Erwin
Presenter (faculty only)	Dr. Terry McVannel-Erwin
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date.	
Submission date	3/20/2020
Current course prefix, number, and title	HUS 2905 – Directed Individual Study

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
N/A	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
N/A		
Provost	**Signature**	**Date**
Dr. Eileen DeLuca		

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Terry McVannel-Erwin	3/20/2020
Academic Dean or Provost		

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Professor Pamela Peters, Professor Susan Patti, Professor Alexa Matyas Venski, and Professor Elizabeth Badillo

Section II, Proposed Changes

Change to course prefix and number Lecture/lab course combined must include "C" / lab course must include "L"	List new course prefix and number N/A
Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)	☐ Yes ☒ No
Provide justification for the proposed prerequisite(s).	N/A
Change to course title	List new course title N/A
Does the Course Title Change affect other courses? (Ex: If Guitar I becomes Intro to Guitar, should Guitar II become Guitar I?)	N/A
Change of School, Division, or Department	List new school, division, or department N/A
Change to course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D")	From: N/A To: N/A
Change to course co-requisites	From: N/A To: N/A
Provide justification for the proposed co-requisite(s).	N/A
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	No List the co-requisite N/A
Change to course credits or clock hours	From: 2 To: 3
Change to contact hours (faculty load)	From: N/A To: N/A
Are the Contact hours different from the credit/lecture/lab hours?	N/A
Change to grade mode	Choose an item.
Change to credit type	Choose an item.
Change to course description (provide below)	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

N/A

Change to general topic outline (type in entire new outline below)

- N/A

Change to Learning Outcomes: N/A

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:

2. Supplemental *General Education Competency or competencies*:

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Section III (must complete each item below)

Should any major restrictions be listed on this course? If so, select "change" and list the appropriate major restriction codes or select no change.	No change List applicable major restriction codes N/A
Change course to an "International or Diversity Focus" course?	No, not International or Diversity Focus
Change course to a General Education course?	No
Change course from General Education to non-General Education?	No
Change course to a Writing Intensive course?	No
Change course from Writing Intensive to non-Writing intensive?	No
Change course to repeatable? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	No If repeatable, list maximum number of credits

Impact of Change of Course Proposal	
Will this change of course proposal impact other courses, programs, departments, or budgets?	No
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here N/A
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	
N/A	

Impact of Change of Course Proposal	
Will this change of course proposal impact library services or budgets?	No
If the answer to the question above is "yes", list the impact on other courses, programs, or	List impacts here N/A

budgets?	
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	
N/A	

Section IV, Justification for proposal

Provide justification (below) for each change on this proposed curriculum action.
We are reducing the number of credits for the General Education Natural Sciences requirement from 4 credits to 3 credits. This allows us to increase the course credits for HUS 2905 from 2 to 3 credits. Students enrolled in HUS 2905 will now be required to take the National Human Services-Board Certified Practitioner (HS-BCP) Exam. Extending course hours in HUS 2905 will maximize the time we have to help students study for and take the HS-BCP Exam. This change does not require updates to the Topic Outline or Course Objectives/Standards.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

Curriculum Committee

Change of Program or Certificate Proposal

Note required information: *Program or certificate changes require a change to the catalog page. All change of program or certificate proposals must include the new catalog page, with all proposed changes, at the end of this document. All changes that affect the courses, words, numbers, symbols, program description, admissions requirements, and graduation requirements must be documented. Note before completing this proposal that all new courses and current prerequisite, co-requisite, core, or elective courses changes must have already been reviewed (or submitted for the same meeting) by the Curriculum Committee and approved by the Provost. The Track Changes feature in Word must be used to illustrate all changes to the catalog page.*

School or Division	School of Health Professions
Program or Certificate	Social and Human Services, A.S. Degree
Proposed by (faculty only)	Dr. Terry McVannel-Erwin
Presenter (faculty only)	Dr. Terry McVannel-Erwin
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date.	
Submission date	3/20/2020

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
N/A	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
N/A		
Provost	**Signature**	**Date**
Dr. Eileen DeLuca		

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Terry McVannel-Erwin	3/20/2020
Academic Dean or Provost		

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Professor Pamela Peters, Professor Susan Patti, Professor Alexa Matyas Venski and Professor Elizabeth Badillo

Section II, Proposed Changes

Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)	☐ Yes x No
Have the deans of the General Studies been contacted/consulted?	☐ Yes x No
Have you attached an updated catalog page?	x Yes ☐ No
Change of School, Division, or Department	N/A
Change to program or certificate name	N/A

List below, any changes to the program or certificate prerequisites. Include course titles and credits if applicable.

N/A

List below, any changes to the General Education requirements. Include course titles and credits if applicable.

Current General Education Requirement:

- Natural Sciences - Any General Education Natural Sciences Course with a Lab **4 credits**
  *BSC 1005, BSC 1085C, or BSC 1010, BSC 1010L is recommended for students wishing to pursue a bachelor's degree in a related field.

Proposed Change to Current General Education Requirement:*

- Natural Sciences - Any General Education Natural Sciences Course with a lab **3 credits**
  **BSC 1005/1005L, or BSC 1010/BSC 1010L is recommended for students wishing to pursue a bachelor's degree in a related field.*

List below, any changes to the program or certificate Core requirements. Include course titles and credits if applicable.

Current Core Requirement for A.S. Degree only:

- HUS 2905 – Directed Individual Study **2 credits**

Proposed Change to Core Requirement:

- HUS 2905 – Directed Individual Study **3 credits**

List below, any changes to the program or certificate Elective requirements. Include course titles and credits if applicable.

N/A	
List below, any other changes to the program or certificate requirements.	
N/A	
Change to program length (credits or clock hours to complete)	From: N/A To: N/A

Include complete new catalog page as an attachment. Proposals without the new catalog page will not be reviewed by the committee.

Section III, Justification for proposal

Include state frameworks, accrediting or professional organization recommendations or requirements, workforce data, and/or crosswalks.

Provide justification (below) for each change on this proposed curriculum action.
We are reducing the number of credits for the General Education Natural Sciences requirement from 4 credits to 3 credits. This allows us to increase the course credits for HUS 2905 from 2 to 3 credits. Students enrolled in HUS 2905 will now be required to take the National Human Services-Board Certified Practitioner (HS-BCP) Exam. Extending course hours in HUS 2905 will maximize the time we have to help students study for and take the HS-BCP Exam.

General Education Courses: 15 credits

- ENC 1101 - Composition I **3 credits**
- PSY 2012 - Introduction to Psychology **3 credits**
- Mathematics - Any General Education Mathematics Course **3 credits**
  ~~*STA 2023 is recommended for students wishing to pursue a bachelor's degree in a related field~~

  or Natural Sciences - Any General Education Natural Sciences Course **3 credits**
- Natural Sciences - Any General Education Natural Sciences Course with a Lab **3 credits**
  **BSC 1005/BSC 1005L*, *or* *BSC 1010/BSC 1010L* is recommended for students wishing to pursue* a bachelor's degree in a related field.
- Humanities - Any General Education Humanities Course **3 credits**
  **A Humanities Writing Intensive or Core course is recommended for students wishing to pursue a bachelor's degree in a related field.*

Social and Human Services Core: 30 credits

- HUS 1001 - Introduction to Human Services **3 credits**
  Note: SOW 2031 Introduction to Social Work does not meet the requirements for the A.S. Social and Human Services Degree
- HUS 1320 - Theories and Foundations of Crisis Intervention **3 credits**
- HUS 1400 - Alcoholism and Other Drug Abuse **3 credits**
- HUS 2200 - Dynamics of Groups and Group Counseling **3 credits**
- HUS 2302 - Basic Counseling Skills **3 credits**
- HUS 2315 - Studies in Behavioral Modification **3 credits**
- HUS 2500 - Issues and Ethics in Human Services **3 credits**
- HUS 2525 - Mental Health Issues in Human Services **3 credits**
- HUS 2551 - Multicultural Perspectives in Human Services - (I) **3 credits**
- HUS 2905 - Directed Individual Study **3 credits**

Specialty Track - Choose one of three tracks: 15 credits

Human Services Generalist Track

- HUS 1640 - Principles of Youth Work **3 credits**
- HUS 2540 - Building Stronger Families and Communities **3 credits**
- HUS 2842L - Counseling Residency I **3 credits**
- HUS 2843L - Counseling Residency II **3 credits**

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18; 10/18

- HUS 2428 - Treatment and Resources in Substance Abuse **3 credits**

Addictions Track

- HUS 2404 - Working with Alcoholics and Other Drug Abusers **3 credits**
- HUS 2411 - Introduction to Chemical Dependencies **3 credits**
- HUS 2428 - Treatment and Resources in Substance Abuse **3 credits**
- HUS 2842L - Counseling Residency I **3 credits**
- HUS 2843L - Counseling Residency II **3 credits**

Youth Development Track

- DEP 2004 - Human Growth and Development **3 credits**
- HUS 1640 - Principles of Youth Work **3 credits**
- HUS 2540 - Building Stronger Families and Communities **3 credits**
- HUS 2842L - Counseling Residency I **3 credits**
- HUS 2843L - Counseling Residency II **3 credits**

Total Degree Requirements: 60 Credits

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18; 10/18

Curriculum Committee

New Course Proposal

School or Division	School of Business and Technology
Program or Certificate	Information Systems Technology
Proposed by (faculty only)	George Kodsey & Mary Myers
Presenter (faculty only)	George Kodsey
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/19/2020
Course prefix, number, and title	CEN4333 – Advanced Database Development

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/17/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/17/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
No

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	COP2700 – Database Programming, "C" or better.
Provide justification for the proposed prerequisite(s).	COP2700 provides the introduction to relational database design and SQL.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	
Course credits or clock hours	3 course credits
Contact hours (faculty load)	3
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	
This course explores various topics in database management systems (DBMS), using a typical commercial DBMS (e.g., MySQL, SQL server). Administration, security, stored procedures, triggers, transactions, functions, data mining, data warehousing, and remote access to databases are some of the topics covered. The student is expected to demonstrate an understanding of these database concepts through creating, deploying, and utilizing various relational database designs.	

General topic outline (type in outline below)
• Understanding of the relational data model. • Proficiency with conceptual modelling of databases using Entity-Relationship (ER) Diagrams.

- Familiarity with the database design and normalization theory.
- Proficiency with relational algebra and Structured Query Language (SQL).
- Familiarity with database implementation issues.
- Understanding of the basics of query processing and query optimization.
- Familiarity with database tuning techniques.
- Proficiency with the administration and development.
- Proficiency with database application development.
- Empirical evaluation of database systems.
- Implement cloud-hosted databases

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Proficiency with conceptual modelling of databases using Entity-Relationship (ER) Diagrams.
- Familiarity with the database design and normalization theory.

2. Supplemental *General Education Competency or competencies*:

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

PROFESSIONAL-LEVEL DATABASE ACCESS FROM OBJECT-ORIENTED SYSTEMS, INCLUDING COMPLEX SQL QUERIES AND STORED PROCEDURES. USE OF OBJECT-RELATIONAL FRAMEWORKS. HANDS-ON EXERCISES WITH CURRENT RDBMS SOFTWARE.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS COURSE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No List applicable major restriction codes
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Yes If repeatable, list maximum number of 6 credits
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Type in justification here

Curriculum Committee

New Course Proposal

School or Division	School of Business and Technology
Program or Certificate	Information Systems Technology
Proposed by (faculty only)	Melinda Lyles & Mary Myers
Presenter (faculty only)	Melinda Lyles
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/6/2020
Course prefix, number, and title	CIS 3360 Principles of Security

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
Type in the explanation for exception.	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Dr. Debbie Psihountas		
Provost	**Signature**	**Date**
Dr. Eileen DeLuca		

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/18/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/18/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
Provide information here

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	CTS2120 Computer & Network Security must include minimum grade if higher than a "C".
Provide justification for the proposed prerequisite(s).	Students need a fundamental understanding of network security before taking this course.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	List course co-requisites
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	Choose an item. List the co-requisite
Course credits or clock hours	3 course credits
Contact hours (faculty load)	3
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	
This course provides an overview of information systems security principles, practices, methods, and tools for organizational and institutional computing. Students will explore the relationship between policy and security, the mechanisms used to implement countermeasures to align and apply to policies, methodologies and technologies necessary for information assurance, cybersecurity threat analysis, and intrusion detection.	

General topic outline (type in outline below)
Part I: GATHERING – Threat Management: What technology are we currently using? 1. Applying Environmental Reconnaissance. 2. Analyzing Network Reconnaissance. 3. Strengthening the Network.

4. Securing a Corporate Environment.
Part II: UNCOVERING – Vulnerability Management: What are our weaknesses?
1. Scanning for Vulnerabilities.
2. Analyzing Vulnerability Scans.
3. Contrasting Scans with Commonly Known Vulnerabilities.
Part III: RESPONDING: Incident Response: How do we react in an attack?
1. Determining the Impact of An Attack.
2. Using Forensics Tools.
3. Communicating During the Incident.
4. Deciding on a Course of Action.
5. Gathering Lessons Learned.
Part IV: IMPROVING: Architecture & Tool Sets: How do we make our security better?
1. Using Structures for Security.
2. Using Data for Remediation of Identity and Access Management.
3. Using Security Architecture for Controls.
4. Using Software Development Life Cycle for Applications.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:

2. Supplemental *General Education Competency or competencies*:

General Education Competency: **Research**

Course Outcomes or Objectives Supporting the General Education Competency Selected:
Vulnerability Management: What are our weaknesses ?

General Education Competency: **Think**

Course Outcomes or Objectives Supporting the General Education Competency Selected:
RESPONDING: Incident Response: How do we react in an attack?

- Analyze and apply tools and techniques to apply appropriate countermeasures to manage various threats
- Perform scans using tools and analyzing outputs using techniques to control, resolve, and report on vulnerability management
- Distinguish behavior and data threats to determining the course of action to report or responds to cyber incidence
- Apply best practice during Software Development Life Cycle (SDLC)
- Identify security issues within identity and access management.
- Explain various frameworks, policies, security controls, and procedures within a security Architecture to include tool and technologies.

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….

Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).
COMPUTER SECURITY THREATS AND ATTACKS, COVERT CHANNELS, TRUSTED OPERATING SYSTEMS, ACCESS CONTROL, ENTITY AUTHENTICATION, SECURITY POLICIES, MODELS OF SECURITY, DATABASE SECURITY AND BRIEF INTRODUCTIONS TO NETWORK SECURITY AND LEGAL AND ETHICAL ASPECTS OF SECURITY.

ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS COURSE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No List applicable major restriction codes
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Yes If repeatable, list maximum number of 6 credits
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Type in justification here

Curriculum Committee

New Course Proposal

School or Division	School of Business and Technology
Program or Certificate	Information Systems Technology
Proposed by (faculty only)	Melinda Lyles & Mary Myers
Presenter (faculty only)	Melinda Lyles
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/6/2020
Course prefix, number, and title	CIS 3361 Information Technology Security Management

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
Type in the explanation for exception.	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Dr. Debbie Psihountas		
Provost	**Signature**	**Date**
Dr. Eileen DeLuca		

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/17/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/17/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
Provide information here

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	CIS 3360 - Principles of Security must include minimum grade if higher than a "C".
Provide justification for the proposed prerequisite(s).	Students must be familiar with the basic security principles before studying security management.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	List course co-requisites
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	Choose an item. List the co-requisite
Course credits or clock hours	3 course credits
Contact hours (faculty load)	3
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	
This course explores the management, design, oversight and assessment of information security and assurance. Students will develop an information security strategy and supporting documentation on a system, will write information security policies, and develop strategies to manage information risk. Topics covered include: Access control models, information security governance, and information security program assessment that aligns with security program development and management, business continuity planning and disaster recovery planning.	

General topic outline (type in outline below)
• Introduction to the Management of Information Security • Compliance: Law and Ethics • Governance and Strategic Planning for Security

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

- Information Security Policy
- Developing the Security Program
- Risk Management: Assessing Risk
- Risk Management: Treating Risk
- Security Management Models
- Security Management Practices
- Planning for Contingencies
- Security Maintenance
- Protection Mechanisms

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Develop expertise to establish and/or maintain an information security governance framework (and supporting processes) to ensure that the information security strategy is aligned with organizational goals and objectives. (Information Security Governance)
- Devise strategies to manage information risk to an acceptable level, in accordance with organizational risk appetite, while facilitating the attainment of organizational goals and objectives. (Information Risk Management)
- Develop the ability to create and maintain an information security program that identifies, manages and protects the organization's assets while aligning with business goals. (Information Security Program Development and Management)
- Develop the capacity plan that establishes and manages the detection, investigation, response and recovery from an information security incident in order to minimize business impact. (Information Security Incident Management)

2. Supplemental *General Education Competency or competencies*:

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).
OVERVIEW OF INFORMATION SECURITY MANAGEMENT TECHNIQUES AND CONCERNS IS PRESENTED. TOPICS INCLUDE: ACCESS CONTROL SYSTEMS, TELECOMMUNICATIONS AND NETWORK SECURITY, SECURITY MANAGEMENT PRACTICES, APPLICATION AND SYSTEMS DEV. SECURITY, CRYPTOGRAPHY, ETC.

ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS COURSE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No List applicable major restriction codes
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Yes If repeatable, list maximum number of 6 credits
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Type in justification here

Curriculum Committee

New Course Proposal

School or Division	School of Business and Technology
Program or Certificate	Information Systems Thechnology
Proposed by (faculty only)	Melinda Lyles & Mary Myers
Presenter (faculty only)	Melinda Lyles
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/6/2020
Course prefix, number, and title	CIS 4523 / Managing IT Projects

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
Type in the explanation for exception.	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/18/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/18/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
Provide information here

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	MAN2021 Management Principles must include minimum grade if higher than a "C".
Provide justification for the proposed prerequisite(s).	A basic understating of Management principles is necessary for studying IT project management.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	List course co-requisites
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	Choose an item. List the co-requisite
Course credits or clock hours	3 credits
Contact hours (faculty load)	3
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	
This course will provide an overview using the tools and concepts needed to lead an Information Technology (IT) project teams using a methodology. Completion of this course will show competency in each of the methodology phases: Define, Measure, Analyze, Improve and Control, but more importantly will provide understanding in how to implement, perform, interpret and apply concepts. In order to be successful, students must engage and collaborate as a team and account for diverse dynamics.	

General topic outline (type in outline below)
• Apply information technology principles to managing a project. • Determine the facilitation of project tools, such as root cause analysis or graphical analysis techniques, to push problem-solving and process improvement ability further, and facilitate these tools for a project team.

- Examine the leadership and management ideology needed to lead an organization's culture of continuous process with improvement as well as support the organization's leadership in prioritizing projects and solutions for the most impactful use of resources.
- Implement the project management methodology as a facilitator within a project
- Analyze phases using tools and techniques to complete a project
- Identify Theory of Constraints and Statistical Process Control concepts complementary to IT projects or cyber-tech employees.

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
General Education Competency: **Communicate**
Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Implement the project management methodology as a facilitator within a project

2. Supplemental *General Education Competency or competencies*:
General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Examine the leadership and management ideology needed to lead an organization's culture of continuous process with improvement as well as support the organization's leadership in prioritizing projects and solutions for the most impactful use of resources
- Determine the facilitation of project tools, such as root cause analysis or graphical analysis techniques, to push problem-solving and process improvement ability further, and facilitate these tools for a project team.
- Examine the leadership and management ideology needed to lead an organization's culture of continuous process with improvement as well as support the organization's leadership in prioritizing projects and solutions for the most impactful use of resources.
- Perform the methodology as a facilitator within a project
- Analyze phases using tools and techniques to complete a project
- Identify Theory of Constraints and Statistical Process Control concepts complementary to IT projects or cyber-tech employees

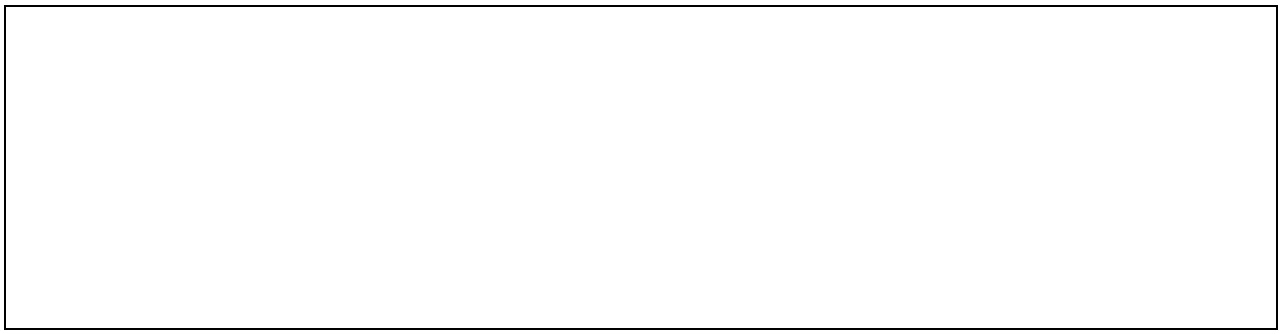
B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

THIS COURSE COVERS HOW TO PROPERLY MANAGE IT PROJECTS, INCLUDING TECHNOLOGY-SPECIFIC ISSUES AND CONCERNS. THE FOCUS OF THE COURSE IS ON HOW IT PROJECTS ARE MANAGED AND THE TOOLS AND TECHNIQUES THAT ARE UNIQUE TO THESE PROJECTS.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19



ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS COURSE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No List applicable major restriction codes
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Yes If repeatable, list maximum number of 6 credits
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Type in justification here

Curriculum Committee

New Course Proposal

School or Division	School of Business and Technology
Program or Certificate	Information Systems Technology
Proposed by (faculty only)	George Kodsey & Mary Myers
Presenter (faculty only)	George Kodsey
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/19/2020
Course prefix, number, and title	COP3505 – Intermediate Computer Programming

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/17/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/17/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
No

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	Prerequisites: COP 1170 AND COP 2171 OR COP 1224 AND COP 2228 OR COP 2360 AND COP 2362 (Minimum grades of "C" or higher)
Provide justification for the proposed prerequisite(s).	Students must understand programming before beginning this class.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	
Course credits or clock hours	3 course credits
Contact hours (faculty load)	3
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	
This is a programming course to develop problem-solving techniques for numerical and non-numerical problems from various disciplines. Students will design the solution to each problem and implement it in a current programming language (such as Python). Coverage includes an introduction to computer system, flow control, functions, I/O streams, arrays, strings, and classes.	

General topic outline (type in outline below)
• Explain datatypes. • Edit, run, debug, and document a PYTHON program.

- Define and initialize variables and constants.
- Read and write data using standard I/O.
- Demonstrate the usage of selection statements such as if-else and switch.
- Demonstrate the possibilities of logical expressions.
- Implement loop structures such as for and while.
- Define and use your own functions.
- Process several data elements in an array.
- Use the string class
- Read and write data using files.
- Develop algorithms to numerical and non-numerical problems.
- Identify basic concepts of structure, class, and object-oriented programming.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Develop algorithms to numerical and non-numerical problems.
- Identify basic concepts of structure, class, and object-oriented programming.

2. Supplemental *General Education Competency or competencies*:

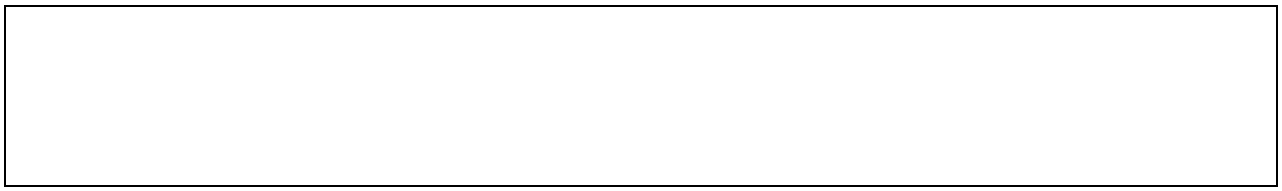
B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

TOPICS INCLUDE PYTHON BASICS, USE OF PYTHON CONTROL AND DATA STRUCTURES, USE OF PYTHON FUNCTIONS, PYTHON 110, IMPLEMENT BASIC PYTHON PROGRAMMING TASKS.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19



ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS COURSE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No List applicable major restriction codes
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Yes If repeatable, list maximum number of 6 credits
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Type in justification here

Curriculum Committee

New Course Proposal

School or Division	School of Business and Technology
Program or Certificate	Information Systems Technology
Proposed by (faculty only)	George Kodsey & Mary Myers
Presenter (faculty only)	George Kodsey
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/19/2020
Course prefix, number, and title	COP3538 – Data Structures for IT

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/17/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/17/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
No

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	COP2800 Java Programming OR COP2360 C# Programming I
Provide justification for the proposed prerequisite(s).	Students should have taken an object oriented programming class before studying Data Structures.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	
Course credits or clock hours	3 course credits
Contact hours (faculty load)	3
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	
This course introduces the student to the basic concepts of data structures in software development including lists, stacks, queues, binary search trees, binary trees, hash tables, and internal searching and sorting. It also introduces the student to running time of a program, and algorithm efficiency.	

General topic outline (type in outline below)
• Choosing among the various data structures. • Data structures use in practice. • Efficiency of a data structure.

- How to determine the efficiency of an algorithm.
- Recursive data structures and algorithms.
- Lists, stacks, queues
- Binary trees and binary search trees,
- Hash tables
- Internal searching
- Sorting.

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Students will select appropriate built-in data types and library data structures (abstract data types) to model, represent, and process program data.
- Students will write programs that use data structures (built-in, library, and programmer-defined): strings, vectors, lists, and maps.
- Students will analyze the performance of different implementations of data structures.

2. Supplemental *General Education Competency or competencies*: **Communicate**

- Students will explain appropriateness of selected data structures.

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….

Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

BASIC CONCEPTS OF RUNNING TIME OF A PROGRAM, DATA STRUCTURES INCLUDING LISTS, STACKS, QUEUES, BINARY SEARCH TREES, BINARY TREES, HASH TABLES, AND INTERNAL SEARCHING AND SORTING.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS COURSE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No List applicable major restriction codes
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Yes If repeatable, list maximum number of 6 credits
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Type in justification here

Curriculum Committee

New Course Proposal

School or Division	School of Business and Technology
Program or Certificate	Information Systems Technology
Proposed by (faculty only)	George Kodsey & Mary Myers
Presenter (faculty only)	George Kodsey
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and must be submitted for a later date.	
Submission date	3/19/2020
Course prefix, number, and title	COP3804 – Intermediate Java Programming

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Dr. Mary Myers	3/17/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/17/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Prof Melinda Lyles, Dr. Mary Myers, Dr. George Kodsey, Dr. Roger Webster

Has the Libraries' Collection Manager been contacted about the new course and discussed potential impacts to the libraries' collections?
No

Section II, New Course Information (must complete all items)

List course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D").	COP2800- Java Programming
Provide justification for the proposed prerequisite(s).	Students must understand programming before beginning this class.
Will students be taking any of the prerequisites listed for this course in different parts of the same term (ex. Term A and Term B)?	No
List course co-requisites.	
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	
Course credits or clock hours	3 course credits
Contact hours (faculty load)	3
Are the Contact hours different from the credit/lecture/lab hours?	No
Select grade mode	Standard Grading (A, B, C, D, F)
Credit type	College Credit
Possible Delivery Types (Online, Blended, On Campus)	Online, Blended, On Campus
Course description (provide below)	
This course assumes prior programming experience in Java and is designed to expand students' knowledge of computer science and sharpen their programming skills. The course extends object-oriented programming techniques, data structures (e.g., linked lists, stacks, queues, and trees), and an introduction to the analysis of algorithms that operate on those data structures.	

General topic outline (type in outline below)
• Describe and apply formal problem-solving techniques which involves a functional decomposition to break the problem into simpler tasks. • Discuss the importance of algorithms in problem-solving. • Design, implement, test, and debug a program that utilizes the following data structures: arrays, strings, link lists, stacks, queues, heaps, and binary trees.

- Describe the concept of recursion and use the concept to implement a divide-and-conquer approach to solve a problem.
- Compare iterative and recursive solutions for elementary problems such as factorial.
- Design, implement, test, and debug simple programs in an object-oriented language.
- Explain the difference between event-driven programming and command-line programming.

Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Describe and apply formal problem-solving techniques which involves a functional decomposition to break the problem into simpler tasks.
- Discuss the importance of algorithms in problem-solving.

2. Supplemental *General Education Competency or competencies*: **Communication**
Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Describe the concept of recursion and use the concept to implement a divide-and-conquer approach to solve a problem.
- Explain the difference between event-driven programming and command-line programming.

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….

Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Copy and Paste the SCNS Course Profile Description below (http://scns.fldoe.org/scns/public/pb_index.jsp).

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

SECOND COURSE IN JAVA PROGRAMMING. OBJECT-ORIENTED PROGRAMMING IN MORE DETAIL, WITH LARGER PROGRAMMING PROJECTS AND EMPHASIS ON INHERITANCE. NO CREDIT FOR CS MAJORS.

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

ICS code for this course	ADVANCED AND PROFESSIONAL - 1.16.07 - COMPUTER & INFO SCIENCE
Institutional Reporting Code	11607 COMPUTER AND INFOR SCIENCE
Degree Attributes	BAS - BAS COURSE
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Degree Attributes (if needed)	Choose an item.
Should any major restriction(s) be listed on this course? If so, select "yes" and list the appropriate major restriction code(s) or select "no".	No List applicable major restriction codes
Is the course an "International or Diversity Focus" course?	No, not International or Diversity Focus
Is the course a General Education course?	No
Is the course a Writing Intensive course?	Yes
If Replacing a course, combining a Lecture/Lab or splitting a C course – Is there a course equivalency?	
Is the course repeatable*? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	Yes If repeatable, list maximum number of 6 credits
Do you expect to offer this course three times or less (experimental)?	No

Impact of Course Proposal	
Will this new course proposal impact other courses, programs, departments, or budgets?	Choose an item.
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	List impacts here
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18;10/18;7/19

Section III, Justification for proposal

Provide justification (below) for this proposed curriculum action.
Type in justification here

Curriculum Committee

Change of Course Proposal

School or Division	School of Business and Technology
Program or Certificate	BAS Information Systems Technology
Proposed by (faculty only)	Mary Myers, Roger Webster
Presenter (faculty only)	Mary Myers
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date.	
Submission date	3/19/2020
Current course prefix, number, and title	COP3655 – Application Development for Mobile Devices

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☒ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
Type in the explanation for exception.	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Mary Myers	3/16/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/16/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Professor Melinda Lyles, Dr. Roger Webster, Dr. Mary Myers, Dr. George Kodsey, Dr. Deborah Johnson

Section II, Proposed Changes

Change to course prefix and number Lecture/lab course combined must include "C" / lab course must include "L"	
Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)	
Provide justification for the proposed prerequisite(s).	
Change to course title	
Does the Course Title Change affect other courses? (Ex: If Guitar I becomes Intro to Guitar, should Guitar II become Guitar I?)	
Change of School, Division, or Department	
Change to course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D")	From: "D" or Higher To: "C" or Higher
Change to course co-requisites	From: To:
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	
Change to course credits or clock hours	
Change to contact hours (faculty load)	
Are the Contact hours different from the credit/lecture/lab hours?	
Change to grade mode	
Change to credit type	
Change to course description (provide below)	
This course covers the methods and tools utilized in the creation of native applications for mobile devices., using current technology. Students gain an understanding of the challenges associated with android specific	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

development, how to overcome them and how to build an optimal user experience on the mobile platform. Students will sharpen mobile application design techniques, technical development skills, and mobile application deployment strategies. Students will get knowledge of practical native application design and direct utilization of hardware features such as GPS, cameras and storage as it applies to the android environment. This course offers students the ability to develop technical and analytical skills most appropriate for the creation of mobile applications.

Change to general topic outline (type in entire new outline below)

- Design, build, execute and debug mobile applications
- Explain components necessary to develop mobile application devices
- Implement UI components
- Utilize device hardware when writing mobile applications
- Deploy and test mobile applications to physical devices
- Articulate the best practices for developing mobile applications

Change to Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:

Analyze:

- Design, build, execute and debug mobile device applications
- Deploy and test mobile application to physical devices

2. Supplemental *General Education Competency or competencies*:

Communicate:

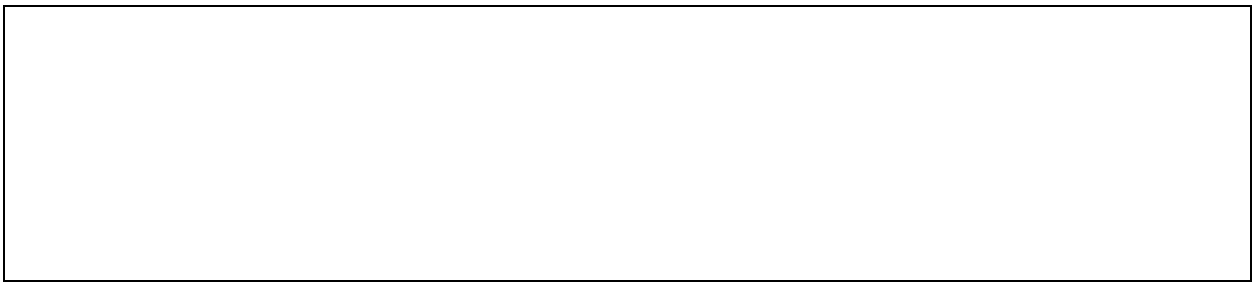
- Articulate the best practices for developing mobile applications

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….

Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18



Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

Section III (must complete each item below)

Should any major restrictions be listed on this course? If so, select "change" and list the appropriate major restriction codes or select no change.	Change BAS-IST
Change course to an "International or Diversity Focus" course?	
Change course to a General Education course?	
Change course from General Education to non-General Education?	
Change course to a Writing Intensive course?	
Change course from Writing Intensive to non-Writing intensive?	
Change course to repeatable? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	

Impact of Change of Course Proposal	
Will this change of course proposal impact other courses, programs, departments, or budgets?	No
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Impact of Change of Course Proposal	
Will this change of course proposal impact library services or budgets?	No

If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Section IV, Justification for proposal

Provide justification (below) for each change on this proposed curriculum action.
Mobile application development is a critical skill for computer programmers. This course will combine skills learned in lower level classes and will allow students to expand their knowledge of computer programming and mobile systems.

Curriculum Committee

Change of Course Proposal

School or Division	School of Business and Technology
Program or Certificate	BAS Information Systems Technology
Proposed by (faculty only)	Mary Myers, George Kodsey
Presenter (faculty only)	George Kodsey
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date.	
Submission date	3/19/2020
Current course prefix, number, and title	COP4807 – Web Application Programming

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☒ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	
Type in the explanation for exception.	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Mary Myers	3/16/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/16/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Professor Melinda Lyles, Dr. Roger Webster, Dr. Mary Myers, Dr. George Kodsey, Dr. Deborah Johnson

Section II, Proposed Changes

Change to course prefix and number Lecture/lab course combined must include "C" / lab course must include "L"	
Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)	
Provide justification for the proposed prerequisite(s).	
Change to course title	
Does the Course Title Change affect other courses? (Ex: If Guitar I becomes Intro to Guitar, should Guitar II become Guitar I?)	
Change of School, Division, or Department	
Change to course prerequisite(s) and minimum grade(s) (must include minimum grade if higher than a "D")	From (COP1170 and COP2171) or (COP1224 and COP228) or (COP2360 and COP2362) TO: COP2830 Internet Programming AND CEN4333 Advanced Database Development From: "D" or Higher To: "C" or Higher
Change to course co-requisites	
Provide justification for the proposed co-requisite(s).	
Is any co-requisite for this course listed as a co-requisite on its paired course? (Ex. CHM 2032 is a co-requisite for CHM 2032L, and CHM 2032L is a co-requisite for CHM 2032)	
Change to course credits or clock hours	
Change to contact hours (faculty load)	
Are the Contact hours different from the credit/lecture/lab hours?	
Change to grade mode	
Change to credit type	
Change to course description (provide below)	

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

The students in this course will learn advanced methods for building interactive, database-backed web sites and applications. This course introduces using various frameworks to develop rich, maintainable applications. The Ruby on Rails framework is covered in-depth, but other frameworks will be covered as well. Additional topics include integrating search engines and web application security.

Change to general topic outline (type in entire new outline below)

- Understand the model-view-controller paradigm and its application to web application development
- Develop a database-backed, interactive website using the Ruby on Rails framework
- Design RESTful interfaces
- Identify the strengths and disadvantages of several website technologies such as PHP, ASP.NET, Node.js, or Apache Struts
- Integrate a search engine into a website
- Evaluate and explain web application security

Change to Learning Outcomes: For information purposes only.

IV. Course Competencies, Learning Outcomes and Objectives

A. General Education Competencies and Course Outcomes

1. Integral *General Education Competency or competencies*:
Analyze:
- Identify the strengths and disadvantages of several website technologies such as PHP, ASP.NET, Node.js, or Apache Struts

2. Supplemental *General Education Competency or competencies*:
Communicate:
- Evaluate and explain web application security

B. In accordance with Florida Statute 1007.25 concerning the state's general education core course requirements, this course meets the general education competencies for ….
Part B would only be included in the course outlines of those courses are included in the FSW Catalog as a General Education Core Course. If this is not a core course, then outline letter C would become B.

C. Other Course Objectives/Standards

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 3/18, 5/18, 6/18; 10/18

Section III (must complete each item below)

Should any major restrictions be listed on this course? If so, select "change" and list the appropriate major restriction codes or select no change.	Change BAS-IST
Change course to an "International or Diversity Focus" course?	
Change course to a General Education course?	
Change course from General Education to non-General Education?	
Change course to a Writing Intensive course?	
Change course from Writing Intensive to non-Writing intensive?	
Change course to repeatable? (A repeatable course may be taken more than one time for additional credits. For example, MUT 2641, a 3 credit hour course can be repeated 1 time and a student can earn a maximum of 6 credits). *Not the same as Multiple Attempts or Grade Forgiveness	

Impact of Change of Course Proposal	
Will this change of course proposal impact other courses, programs, departments, or budgets?	No
If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Impact of Change of Course Proposal	
Will this change of course proposal impact library services or budgets?	No

If the answer to the question above is "yes", list the impact on other courses, programs, or budgets?	
Have you discussed this proposal with anyone (from other departments, programs, or institutions) regarding the impact? Were any agreements made? Provide detail information below.	

Section IV, Justification for proposal

Provide justification (below) for each change on this proposed curriculum action.
Web Application development technology evolved quickly. The changes to this course will bring newer concepts and applications to the course.

Curriculum Committee

Change of Program or Certificate Proposal

Note required information: *Program or certificate changes require a change to the catalog page. All change of program or certificate proposals must include the new catalog page, with all proposed changes, at the end of this document. All changes that affect the courses, words, numbers, symbols, program description, admissions requirements, and graduation requirements must be documented. Note before completing this proposal that all new courses and current prerequisite, co-requisite, core, or elective courses changes must have already been reviewed (or submitted for the same meeting) by the Curriculum Committee and approved by the Provost. The Track Changes feature in Word must be used to illustrate all changes to the catalog page.*

School or Division	School of Business and Technology
Program or Certificate	BAS – Information Systems Technology
Proposed by (faculty only)	Mary Myers, Melinda Lyles, Deborah Johnson, George Kodsey, Roger Webster
Presenter (faculty only)	Mary Myers
Note that the presenter (faculty) listed above must be present at the Curriculum Committee meeting or the proposal will be returned to the School or Division and be resubmitted for a later date.	
Submission date	3/19/2020

All Curriculum proposals require approval of the Curriculum Committee and the Provost. Final approval or denial of a proposal is reflected on the completed and signed proposal.

☐ Approve ☐ Do Not Approve

Curriculum Committee Chair Signature *Date*

☐ Approve ☐ Do Not Approve

Provost Signature *Date*

All Curriculum proposals require review by the Office of Accountability & Effectiveness.

☐ Reviewed

Office of Accountability & Effectiveness Signature *Date*

Section I, Important Dates and Endorsements Required

NOTE: Course and Program changes must be submitted by the dates listed on the published Curriculum Committee Calendar. Exceptions to the published submission deadlines must receive prior approval from the Provost' Office.

Term in which approved action will take place	Fall 2021
Provide an explanation below for the requested exception to the effective **date.**	

Any exceptions to the term start date requires the signatures of the Academic Dean and Provost prior to submission to the Dropbox.		
Dean	**Signature**	**Date**
Provost	**Signature**	**Date**
Dr. Eileen DeLuca		

Required Endorsements	**Type in Name**	**Select Date**
Department Chair or Program Coordinator/Director	Mary Myers	3/17/2020
Academic Dean or Provost	Dr. Debbie Psihountas	3/17/2020

List all faculty endorsements below. (Note that proposals will be returned to the School or Division if faculty endorsements are not provided).
Mary Myers, Melinda Lyles, Deborah Johnson, George Kodsey, Roger Webster

Section II, Proposed Changes

Do any of the changes affect the AA focus? (If so, a Change of Program proposal is also needed.)	☐ Yes ☒ No
Have the deans of the General Studies been contacted/consulted?	☐ Yes ☒ No
Have you attached an updated catalog page?	☒ Yes ☐ No
Change of School, Division, or Department	
Change to program or certificate name	

List below, any changes to the program or certificate prerequisites. Include course titles and credits if applicable.

Students who do not hold an Associate in Science in Computer programming must complete the following coursework before enrolling in upper level Core classes (these courses may be used to satisfy elective requirements):

- COP 1000 - Introduction to Computer Programming
- COP 1822 Internet Programming HTML
- CNT 1000 - Computer Networking Essentials
- CNT 1512 - Wireless Network Administration
- CGS 2108 - Computer Applications with Flowcharting **or** CGS 1100 - Computer Applications for Business
- COP 2800 - Java Programming
- COP 2823 - Advanced Microsoft Web Development **or** COP 2830 - Internet Programming HTML II
- 6 credits of a programming language sequence in Visual Basic, C++, or C#.

Students may demonstrate proficiency in some or all of the above coursework by presenting proof of current and appropriate industry certification according to FSW's most current *Gold Standard* list. Articulation credit may also be awarded for some or all of these industry certifications subject to individual evaluation.

UPDATE:

ADDITIONAL LOWER DIVISION PROGRAM REQUIREMENTS: MINIMUM OF 42 CREDIT HOURS

Common Lower Division Requirements (9 hours)

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18; 10/18

- CTS1131 – Computer Hardware 3 **credits****
- CTS1133 – Computer Software **3 credits****
- CGS 2108 - Computer Applications with Flowcharting **3 credits** **

or

- CGS 1100 - Computer Applications for Business **3 credits** **
- MAN 2021 - Management Principles **3 credits** *

Networking Concentration Lower Division Requirements (9 hours)

- CNT 1000 - Computer Networking Essentials **3 credits** **
- CNT 1512 - Wireless Network Administration **3 credits** **
- CTS2120 – Computer and Network Security **3 credits****

Programming Concentration Lower Division Requirements (9 hours)

- COP 1000 - Introduction to Computer Programming **3 credits** **
- A programming language sequence in Visual Basic, C++, or C# - **6 credits** **

**Students may demonstrate proficiency in some or all of the above coursework by presenting proof of current and appropriate industry certification according to FSW's most current *Gold Standard* list. Articulation credit may also be awarded for some or all of these industry certifications subject to individual evaluation.

List below, any changes to the General Education requirements. Include course titles and credits if applicable.

List below, any changes to the program or certificate Core requirements. Include course titles and credits if applicable.

FROM

Baccalaureate Core Program Requirements: 48 Credit Hours

- CET 4505 - Computer Operating Systems **3 credits**
- COP 3337 - Intermediate Programming (C++) **3 credits**
- COP 3338 - Advanced C++ Programming **3 credits**
- COP 3655 - Application Development for Mobile Devices **3 credits**
- COP 4807 - Web Application Programming **3 credits**
- CGS 4183 - Web Design for E-Commerce **3 credits**

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18; 10/18

- CIS 4891 - Senior Capstone Project **3 credits ***
- CNT 3504 - Computer Networks and Distributed Processing **3 credits**
- CNT 4514 - Wireless Networks and Portable Devices **3 credits**
- CNT 4524 - Mobile Security **3 credits**
- CTS 4408 - Database Administration **3 credits**
- ISM 3113 - Systems Analysis and Design **3 credits**
- ISM 4220 - Distributed Information Systems **3 credits**
- ISM 4323 - Information Security Policy Administration **3 credits**
- ISM 4480 - Principles of Electronic Commerce **3 credits**
- MAN 3504 - Operations and Supply Chain Management **3 credits**

UPDATE:

BACCALAUREATE CORE PROGRAM REQUIREMENTS: 48 CREDIT HOURS

Core Requirements (24 hours)

- ISM 3004 – Information Resources Management for Business **3 credits**
- ISM 3113 – Systems Analysis and Design **3 credits**
- ISM 4153 – Enterprise Information Systems **3 credits**
- MAN 4701 – Business Ethics and Society **3 credits**
- ISM 4323 – Information Security Policy Administration **3 credits**
- CIS 4523 – Managing IT Projects **3 credits**
- CTS 4408 – Database Administration **3 credits**
- CIS 4891 – Senior Capstone Project **3 credits***

Networking Concentration (18 hours)

- CET 4505 - Computer Operating Systems **3 credits**
- CNT 3504 - Computer Networks and Distributed Processing **3 credits**
- CIS3360 – Principles of Security **3 credits**
- CIS3361 – Information Technology Security Management **3 credits**
- CNT 4514 - Wireless Networks and Portable Devices **3 credits**
- CNT 4524 - Mobile Security **3 credits**

Programming Concentration (18 hours)

- COP3035 – Intermediate Computer Programming **3 credits**

Revised: 11/11, 6/12, 6/13, 7/14, 8/15, 8/16, 8/17, 5/18, 6/18; 10/18

• COP3804 – Intermediate Java Programming **3 credits** • CEN4333 – Advanced Database Development **3 credits** • COP 3655 - Application Development for Mobile Devices **3 credits** • COP 4807 - Web Application Programming **3 credits** • COP 3538 – Data Structures for IT **3 credits**
From:
List below, any changes to the program or certificate Elective requirements. Include course titles and credits if applicable. **Electives – Upper Level (6 hours)** Any CIS, CNT, CEN, CET, COP, CGS, CTS, CAP, MAN, ISM courses at 3000 or 4000 level.
List below, any other changes to the program or certificate requirements.

Change to program length (credits or clock hours to complete)	From: To:

Include complete new catalog page as an attachment. Proposals without the new catalog page will not be reviewed by the committee.

Section III, Justification for proposal

Include state frameworks, accrediting or professional organization recommendations or requirements, workforce data, and/or crosswalks.

Provide justification (below) for each change on this proposed curriculum action.
The Florida Department of Education was concerned with the degree as originally proposed. It was structured so that AS Networking and AS Programming students had too many lower division courses to complete before beginning the program. By creating concentrations, students from both AS degrees have clear paths into the degree. The Computer Science AS advisory board approved of the change in structure.

Florida SouthWestern State College

Information Systems Technology, BAS

(Enrollment in this program is pending approval from FLDOE and SACSCOC)

Purpose

The Bachelor of Applied Science in Information Systems Technology program is designed to prepare graduates for higher level employment in information technology management in areas such as systems programming, systems design and architecture, network security, and help desk support services. The program also provides the professional development necessary to help meet the growing regional demand for skilled information technology workers in southwest Florida. This degree is specifically designed to provide a career and educational pathway particularly for graduates from Florida SouthWestern State College's Associate in Science in Computer Programming and Analysis and/or the Associate in Science in Network Systems Technology.

Program Structure

The BAS in Information Systems Technology program includes courses in information systems management, computer programming, computer networking, information security, e-commerce, mobile application development, and business. Elective choices include additional courses in management, information technology, and entrepreneurship, and marketing. Courses are offered in online or blended formats, with many courses offered in an accelerated eight-week fashion, to accommodate students' various schedules and learning preferences.

Degree Requirements: 120 Credit Hours

General Education Core Requirements: minimum of 36 Credit Hours

Additional Lower Division Program Requirements: minimum of 36 Credit Hours

Baccalaureate Program Requirements: 48 Credit Hours

Admission Requirements

1. Applicants must apply for admission and be accepted to Florida SouthWestern State College. Official transcripts from all previously attended colleges or universities must be sent directly to the Office of the Registrar.
2. Applicants must have a minimum cumulative grade point average of 2.0 on a 4.0 scale.
3. Applicants must have earned an:

- Associate in Science degree in Computer Programming or Networking from any regionally accredited college or university, as defined by State Board of Education rule, with a minimum of 60 credit hours,

OR

- Associate in Science degree in a discipline other than Computer Programming from any regionally accredited college or university, as defined by State Board of Education rule, with a minimum of 60 credit hours*,

OR

- Associate in Arts degree, which includes the completion of the State of Florida General Education Core Requirements*.
- Students with a minimum of 60 hours, with all general education and prerequisite courses completed, may also apply for admission*.

4. Students may demonstrate proficiency in some or all of the required lower division coursework by presenting proof of current and appropriate industry certification according to FSW's most current *Gold Standard* list. Articulation credit may also be awarded for some or all of these industry certifications subject to individual evaluation.
5. Students are encouraged to apply for admission during the term in which they will complete their Associate degree program.
6. Applicants not meeting stated admission criteria may petition for program admittance if they feel there are mitigating circumstances. Applicants must submit an official petition form to the Office of the Admissions.

Requirements to Enroll in Baccalaureate (3000 or 4000) Courses

1. Upon admission to the BAS program, students must attend a required orientation session prior to enrollment in baccalaureate courses.
2. Students must complete ENC 1101 - Composition I , ENC 1102 - Composition II , and three credit hours of approved mathematics prior to enrollment in any baccalaureate courses (3000 or 4000 level) with a grade of C or higher. (Refer to the General Education Program Guide)
3. Students must complete MAN 2021 - Management Principles, during the **first term** of enrollment if not previously completed.
4. Students must meet program criteria, defined below, prior to enrollment in CIS 4891, Senior Capstone Project. CIS 4891 must be completed through Florida SouthWestern State College and is not eligible for cross-enrollment.
5. Cross-enrollment approval: Baccalaureate degree seeking students must obtain prior approval to cross enroll (as a transient student) in courses intended to fulfill baccalaureate program requirements. Approval will be determined by the appropriate dean in collaboration with program faculty. Students initiate this process using Florida Virtual Campus:www.floridashines.org/.

6. Students who have not fulfilled the State of Florida general education core requirements must complete them. Students who transfer to Florida SouthWestern State College with a previous Associate in Arts degree from a Florida community college or Baccalaureate degree from a regionally accredited institution are considered to have met the General Education component of the degree. Students are permitted to complete remaining general education courses while enrolled in the BAS program. However, prior to enrollment in CIS 4891 - Senior Capstone Project, students must have all general education courses completed.

7. Students who have previously earned an Associate in Arts or a Baccalaureate degree from a college or university outside the State of Florida will be reviewed on a case-by-case basis to determine which courses will meet the 36 hour General Education Requirements. Students must have earned equivalent credit hours in each General Education category (i.e., 6 hours of Humanities, 9 hours of Social Sciences, etc.).

8. Students are permitted to complete remaining general education courses while enrolled in the BAS program. However, prior to enrollment in CIS 4891 - Senior Capstone Project, students must have all general education courses completed.

Graduation Requirements

1. Students must satisfactorily complete 120 credit hours to be eligible for graduation. For residency purposes, a minimum of 15 core baccalaureate (3000 or 4000 level) program credit hours required for graduation must be completed at Florida SouthWestern State College. All other specific degree requirements must also be met. Credit awarded for Developmental Studies instruction may not be applied toward the total number of credits required for residency purposes or graduation.

2. Students must complete the State of Florida General Education Core Requirements, including any assessment of General Education outcomes that are required by the College. Transfer courses will be reviewed for equivalency. Students who transfer to Florida SouthWestern State College with a previous Associate in Arts degree from a Florida College or baccalaureate degree from a regionally accredited institution are considered to have met the General Education component of the degree.

3. The Foreign Language Competency Requirement may be met by:

    - 2 years of the same High School Foreign Language, or
    - Documented foreign language proficiency through testing (for example, CLEP), or
    - 2 semesters of the same College Level Foreign Language (level II proficiency),

4. Students must fulfill all requirements of their program major.

5. Students must achieve a cumulative grade point average of 2.0 or higher on a 4.0 scale.

6. Students must earn a grade of C or higher in all baccalaureate (3000 or 4000 level) program requirements.

7. Students must indicate their intention to attend commencement ceremony, by completing the Commencement Form by the published deadline.

Many courses require prerequisites. Check the description of each course in the list below to check for prerequisites, minimum grade requirements, and other restrictions related to the course. Students must complete all prerequisites for a course prior to registering for it.

GENERAL EDUCATION COURSES: 36 CREDITS

Refer to the FSW General Education Program Guide

Communications Category: 9 Credits Required

Required Core Communication General Education Courses

- ENC 1101 - Composition I **3 credits** , writing intensive - must complete with a "C" or better
- ENC 1102 - Composition II **3 credits** , writing intensive - must complete with a "C" or better
- SPC 1017 - Fundamentals of Speech Communication **3 credits**

  or
- SPC 2608 - Introduction to Public Speaking **3 credits**

Humanities Category: 6 Credits Required

- Core Humanities General Education course - **3 credits** , writing intensive - must complete with a "C" or better
- PHI 2100 - Introduction to Logic **3 credits (recommended)**

  or
- PHI 2103 - Critical Thinking **3 credits**

  or
- PHI 2600 - Ethics **3 credits**

Social Sciences Category: 9 Credits Required

- Writing Intensive Social Sciences course, must pass with a "C" or better - **3 credits**
- PSY 2012 - Introduction to Psychology **3 credits**
- ECO 2013 - Principles of Macroeconomics **3 credits**

Mathematics Category: 6 Credits Required (STA2023 and MAC1105 suggested)

Must pass Math courses with a "C" or better

- Core Mathematics General Education Course *** - **3 credits**
- Any Mathematics General Education Course - **3 credits**

Natural Sciences Category: 6 Credits Required

- Core Natural Sciences General Education course with corresponding laboratory - **3 credits**
- Any Natural Sciences General Education course with corresponding laboratory - **3 credits**

ADDITIONAL LOWER DIVISION PROGRAM REQUIREMENTS: MINIMUM OF 42 CREDIT HOURS

Common Lower Division Requirements (12 hours)

- CTS1131 – Computer Hardware 3 **credits****
- CTS1133 – Computer Software **3 credits****
- CGS 2108 - Computer Applications with Flowcharting **3 credits** **

or

- CGS 1100 - Computer Applications for Business **3 credits** **
- MAN 2021 - Management Principles **3 credits** *

Networking Concentration Lower Division Requirements (15 hours)

- CNT 1000 - Computer Networking Essentials **3 credits** **
- CNT 1512 - Wireless Network Administration **3 credits** **
- CTS2120 – Computer and Network Security **3 credits****
- CIS2321 – Systems Analysis and Design **3 credits****
- CTS2142 OR MAN2582– Principles of Project Management **3 credits****

Programming Concentration Lower Division Requirements (27 hours)

- COP 1000 - Introduction to Computer Programming **3 credits** **
- A programming language sequence in Visual Basic, C++, or C# - **6 credits** **
- COP2800 - Java Programming **3 credits** **
- COP2700 - Database Programming **3 credits** **

- COP1822 - Internet Programming HTML I **3 credits ****
- COP2830 - Internet Programming HTML II **3 credits ****

Electives

- Any CIS, CNT, CEN, CET, COP, CGS, CTS, CAP, MAN, ISM courses. **9 to 15 credits *****

Note: Students who are transferring one or more of the above courses may choose their electives from any 1000-4999 course.

- *****Must be completed within the first term of enrollment if not completed prior to admission
- ******Must be completed before enrolling in upper level Core classes. Articulation credit may be awarded for some or all of this coursework if the student holds current industry certifications (subject to individual evaluation).

BACCALAUREATE CORE PROGRAM REQUIREMENTS: 42 CREDIT HOURS

Core Requirements (24 hours)

- ISM 3004 – Information Resources Management for Business **3 credits**
- ISM 3113 – Systems Analysis and Design **3 credits**
- ISM 4153 – Enterprise Information Systems **3 credits**
- MAN 4701 – Business Ethics and Society **3 credits**
- ISM 4323 – Information Security Policy Administration **3 credits**
- CIS 4523 – Managing IT Projects **3 credits**
- CTS 4408 – Database Administration **3 credits**
- CIS 4891 – Senior Capstone Project **3 credits***

Networking Concentration (18 hours)

- CET 4505 - Computer Operating Systems **3 credits**
- CNT 3504 - Computer Networks and Distributed Processing **3 credits**
- CIS3360 – Principles of Security **3 credits**
- CIS3361 – Information Technology Security Management **3 credits**
- CNT 4514 - Wireless Networks and Portable Devices **3 credits**

- CNT 4524 - Mobile Security **3 credits**

Programming Concentration (18 hours)

- COP3035 – Intermediate Computer Programming **3 credits**
- COP3804 – Intermediate Java Programming **3 credits**
- CEN4333 – Advanced Database Development **3 credits**
- COP 3655 - Application Development for Mobile Devices **3 credits**
- COP 4807 - Web Application Programming **3 credits**
- COP 3538 – Data Structures for IT **3 credits**

*****CIS 4891 Senior Capstone Project, required final course, must be taken after successful completion of 39 program credits (Core Requirements/Concentration) and must be completed at Florida SouthWestern State College. It is strongly recommended to be taken with no more than one other course from the degree core list above.

Total Degree Requirements: 120 Credit Hours

Information is available online at: www.fsw.edu/academics or on the School of Business and Technology Home Page at: www.fsw.edu/sobt .

Information Systems Technology BAS: Networking Concentration

General Education

General Education (36 Hours)
Foreign Language (Varies)

Open Electives (15 Hours)

Approved Electives 1000 - 4999

Any CIS, CNT, CEN, CET, COP, CGS, CTS, CAP, MAN, ISM courses

Lower Division Core (27 Hours)

CTS1131 - A+ Hardware
CTS1133 - A+ Software

CNT1000 - Computer Networking Essentials
CGS1100 - Computer Applications for Business
CTS1512 - Wireless Network Administration
CIS2321 - Systems Analysis and Design
CTS2120 - Computer Network & Security
MAN2021 - Management Principles
CTS2142 - Principles of Project Management
OR MAN2582 - Principles of Project Management

Upper Division Core Admittance (12 Hours)

ISM3004 - Information Resources Management for Business
ISM3113 - Systems Analysis and Design
ISM4153 - Enterprise Infromation Systems
MAN4701 - Business Ethics and Society

Upper Division Core Requires Lower Level Prerequisites (9 Hours)

ISM4323 - Information Security Policy Administration (MAN2021)
CIS4523 - Managing IT Projects (MAN2021)
CTS4408 - Database Administration (CGS1100)

Upper Division Concentration Requires Lower Level Prerequisites (12 Hours)

CNT3504 - Computer Networks and Distributed Processing (CNT1000)
CET4505 - Computer Operating Systems (CNT1000)
CIS3360 - Principles of Security (CTS2120)
CNT4514 - Wireless Networks and Portable Devices (CNT1000 & CTS1512)

Upper Division Concentration Requries Upper Level Prerequisites (9 Hours)

CIS3361 - Information Technology Security Management (CIS3360)
CNT4524 - Mobile Security (CNT4514)
CIS4891 - Capstone Project (39 3000/4000 Credits)

Information Systems Technology BAS: Programming Concentration

General Education

General Education (36 Hours)
Foreign Language (Varies)

Open Electives (9 Hours)

Approved Electives 1000 - 4999
Any CIS, CNT, CEN, CET, COP, CGS, CTS, CAP, MAN, ISM courses

Lower Division Core (33 Hours)

CTS1131 - A+ Hardware
CTS1133 - A+ Software

CGS1100 - Computer Applications for Business
MAN2021 - Management Principles
COP1000 - Introduction to Computer Programming
A programming language sequence 6 credits
COP2800 - Java Programming
COP2700 - Database Programming
COP1822 - Internet Programming HTML I
COP2830 - Internet Programming HTML II

Upper Division Core Admittance (12 Hours)

ISM3004 - Information Resources Management for Business
ISM3113 - Systems Analysis and Design
ISM4153 - Enterprise Information Systems
MAN4701 - Business Ethics and Society

Upper Division Core Requires Lower Level Prerequisites (9 Hours)

ISM4323 - Information Security Policy Administration (MAN2021)
CIS4523 - Managing IT Projects (MAN2021)
CTS4408 - Database Administration (CGS1100)

Upper Division Concentration Requires Lower Level Prerequisites (15 Hours)

COP3035 - Intermediate Computer Programming (6 hours programming sequence)
COP3804 - Intermediate Java Programming (COP2800)
CEN4333 - Advanced Database Development (COP2700)
COP3655 - Application for Mobile Development (6 hours programming sequence)

COP3538 - Data Structures for IT (COP2800 or COP2360)

Upper Division Concentration Requries Upper Level Prerequisites (6 Hours)

COP4807 - Web Applicaton Programming (CEN4333)
CIS4891 - Capstone Project (39 3000/4000 Credits)

FLORIDA SOUTHWESTERN STATE COLLEGE
SCHOOL OF BUSINESS AND TECHNOLOG

Eileen DeLuca Approved

To: Dr. Eileen DeLuca, Provost

From: Dr. Debbie Psihountas, Dean, School of Business

Date: February 25, 2020

RE: Equivalency of CGS1100 and CGS2108

Upon a review of the department's offering, the faculty of the School of Business determined that CGS1100 Computer Applications for Business and CGS2108 Computer Applications with Flowcharting are more than 70% equivalent in their learning outcomes. Students who have credit for either class have to repeat work if their program requires the one that they have not taken. For example, by the State of Florida Gold Standards, students completing certain Industry Certification obtain credit for CGS1100, but the AS degree program in Computer Programming and Networking require CGS2108. The Faculty are putting forward Curriculum actions to rectify this issue.

The faculty recommend that this memo serves as approval to allow the Registrar's office to make CGS2108 and CGS1100 equivalent without having to forward such request to the Credit Review Committee. The syllabi are attached for review.

FLORIDA SOUTHWESTERN STATE COLLEGE

School of Business and Technology

PROFESSOR: **PHONE NUMBER:**

OFFICE LOCATION: **E-MAIL:**

OFFICE HOURS: **SEMESTER:**

I. COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:

CGS 1100 COMPUTER APPLICATIONS FOR BUSINESS (3 CREDITS)

This course provides beginning level learning in the use of current computer applications used in the business world. Students use word processing, spreadsheets, database application, and presentation software.

II. PREREQUISITES FOR THIS COURSE:

None

CO-REQUISITES FOR THIS COURSE:

RECOMMENDATION: Students with little knowledge of computers and basic operation of the keyboard and mouse are encouraged to take CGS 1000.

III. GENERAL COURSE INFORMATION: Topic Outline.

- Word processing application software
- Spreadsheet application software
- Database application software
- Presentation application software
- Application integration

IV. ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:

Communicate clearly in a variety of modes and media.
Research and examine academic and non-academic information, resources, and evidence.
Evaluate and utilize mathematical principles, technology, scientific and quantitative data.
Analyze and create individual and collaborative works of art, literature, and performance.
Think critically about questions to yield meaning and value.
Investigate and engage in the transdisciplinary applications of research, learning, and knowledge.

Visualize and engage the world from different historical, social, religious, and cultural approaches.
Engage meanings of active citizenship in one's community, nation, and the world.

A. General Education Competencies and Course Outcomes

1. Listed here are the course outcomes/objectives assessed in this course which play an integral part in contributing to the student's general education along with the general education competency it supports.

General Education Competency: **Communicate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Develop formulas and functions within a spreadsheet, including if-then statements and absolute and relative cell references, to perform a variety of mathematical functions.

B. Other Course Objectives/Standards

- Execute commands to move and copy files and to create, rename, and view folders.
- Create, edit, format, save, and print database forms, queries, and reports, and presentations
- Create, edit, modify, print, and save digital presentations in multiple file formats.
- Create, edit, modify, print, and save Word processed documents in multiple file formats

V. DISTRICT-WIDE POLICIES:

PROGRAMS FOR STUDENTS WITH DISABILITIES

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College's guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at http://www.fsw.edu/adaptiveservices.

REPORTING TITLE IX VIOLATIONS

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct. Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at equity@fsw.edu. Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online. Additional information and resources can be found on the College's website at http://www.fsw.edu/sexualassault.

VI. SCHOOL OF BUSINESS AND TECHNOLOGY, ADDITIONAL COURSE INFORMATION

Intellectual Property Rights

Disclaimer

This workforce solution was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the

official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites, and including, but not limited to accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability or ownership.

Career Advising/Job Placement

Did you know that, in taking this course, you are benefiting from a federal U.S. Department of Labor grant? Because of your participation, you can receive assistance with career planning and job placement. But first you must register with Employ Florida Marketplace, a website that offers job placement resources and a state-wide search engine of open positions. If you haven't already, please visit an adviser in your area of study and complete the FRC-TEC grant enrollment form. You can find information on careers and their projected demand by going to the Bureau of Labor Statistics Occupational Outlook Handbook and by going to WorkSource Florida or to MyCareerTrax.

VII. REQUIREMENTS FOR THE STUDENTS:

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

VIII. ATTENDANCE POLICY:

The professor's specific policy concerning absence. (The College policy on attendance is in the Catalog, and defers to the professor.)

IX. GRADING POLICY:

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

90 - 100	=	A
80 - 89	=	B
70 - 79	=	C
60 - 69	=	D
Below 60	=	F

(Note: The "incomplete" grade ["I"] should be given only when unusual circumstances warrant. An "incomplete" is not a substitute for a "D," "F," or "W." Refer to the policy on "incomplete grades.)

X. REQUIRED COURSE MATERIALS:

(In correct bibliographic format.)

XI. RESERVED MATERIALS FOR THE COURSE:

Other special learning resources.

XII. CLASS SCHEDULE:

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

XIII. ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:

(Which would be useful to the students in the class.)

FLORIDA SOUTHWESTERN STATE COLLEGE

School of Business and Technology

PROFESSOR: **PHONE NUMBER:**

OFFICE LOCATION: **E-MAIL:**

OFFICE HOURS: **SEMESTER:**

I. COURSE NUMBER AND TITLE, CATALOG DESCRIPTION, CREDITS:

CGS 2108 COMPUTER APPLICATIONS WITH FLOWCHARTING (3 CREDITS)

This course covers personal computer applications for the Windows environment such as word processing, electronic spreadsheets, presentation software, database activities, flowcharting, and advanced file management. This course is intended for students in the AS Computer Programming and Analysis and/or AS Network Systems Technology degrees and/or the related computer science College Credit Certificates.

II. PREREQUISITES FOR THIS COURSE:

None

CO-REQUISITES FOR THIS COURSE:

None

III. GENERAL COURSE INFORMATION: Topic Outline.

- Word Processing application software
- Spreadsheet application software
- Presentation application software
- Database application software
- Flowcharting application software
- Project management application software

IV. ALL COURSES AT FLORIDA SOUTHWESTERN STATE COLLEGE CONTRIBUTE TO THE GENERAL EDUCATION PROGRAM BY MEETING ONE OR MORE OF THE FOLLOWING GENERAL EDUCATION COMPETENCIES:

Communicate clearly in a variety of modes and media.

Research and examine academic and non-academic information, resources, and evidence.
Evaluate and utilize mathematical principles, technology, scientific and quantitative data.
Analyze and create individual and collaborative works of art, literature, and performance.
Think critically about questions to yield meaning and value.
Investigate and engage in the transdisciplinary applications of research, learning, and knowledge.
Visualize and engage the world from different historical, social, religious, and cultural approaches.
Engage meanings of active citizenship in one's community, nation, and the world.

A. General Education Competencies and Course Outcomes

1. Listed here are the course outcomes/objectives assessed in this course which play an integral part in contributing to the student's general education along with the general education competency it supports.

General Education Competency: **Evaluate**

Course Outcomes or Objectives Supporting the General Education Competency Selected:

- Develop formulas and functions within a spreadsheet, including if-then statements and absolute and relative cell references, to perform a variety of mathematical functions.

B. Other Course Objectives/Standards

- Create, edit, format save and print database forms, queries and reports.
- Create, edit, modify, print and save digital presentations.
- Create flow charts and diagram computer processes.
- Implement project scheduling utilizing software applications.

V. DISTRICT-WIDE POLICIES:

PROGRAMS FOR STUDENTS WITH DISABILITIES

Florida SouthWestern State College, in accordance with the Americans with Disabilities Act and the College's guiding principles, offers students with documented disabilities programs to equalize access to the educational process. Students needing to request an accommodation in this class due to a disability, or who suspect that their academic performance is affected by a disability should contact the Office of Adaptive Services at the nearest campus. The office locations and telephone numbers for the Office of Adaptive Services at each campus can be found at http://www.fsw.edu/adaptiveservices.

REPORTING TITLE IX VIOLATIONS

Florida SouthWestern State College, in accordance with Title IX and the Violence Against Women Act, has established a set of procedures for reporting and investigating Title IX violations including sexual misconduct. Students who need to report an incident or need to receive support regarding an incident should contact the Equity Officer at equity@fsw.edu. Incoming students are encouraged to participate in the Sexual Violence Prevention training offered online. Additional information and resources can be found on the College's website at http://www.fsw.edu/sexualassault.

VI. REQUIREMENTS FOR THE STUDENTS:

List specific course assessments such as class participation, tests, homework assignments, make-up procedures, etc.

VII. ATTENDANCE POLICY:

The professor's specific policy concerning absence. (The College policy on attendance is in the Catalog, and defers to the professor.)

VIII. GRADING POLICY:

Include numerical ranges for letter grades; the following is a range commonly used by many faculty:

90 - 100	=	A
80 - 89	=	B
70 - 79	=	C
60 - 69	=	D
Below 60	=	F

(Note: The "incomplete" grade ["I"] should be given only when unusual circumstances warrant. An "incomplete" is not a substitute for a "D," "F," or "W." Refer to the policy on "incomplete grades.)

IX. REQUIRED COURSE MATERIALS:

(In correct bibliographic format.)

X. RESERVED MATERIALS FOR THE COURSE:

Other special learning resources.

XI. CLASS SCHEDULE:

This section includes assignments for each class meeting or unit, along with scheduled Library activities and other scheduled support, including scheduled tests.

XII. ANY OTHER INFORMATION OR CLASS PROCEDURES OR POLICIES:

(Which would be useful to the students in the class.)

Purpose

The Associate in Science (AS) in Computer Programming and Analysis program prepares students for further education and car programmers, programmer specialists, computer programmers, senior programmers, chief business programmers, programmer a systems programmers.

The content prepares individuals to analyze business situations and to design, develop and write computer programs; to store, lo documents, data, and information; analyze problems using logic/analysis tools, code into computer language; test, monitor, debu maintain computer programs.

This program is designed to help students obtain the skills needed to earn various industry-recognized certifications.

Program Structure

This program is a planned sequence of instruction consisting of 60 credit hours in the following areas: 18 credit hours of Genera Requirements and 42 credit hours Computer Programming and Analysis Core Requirements (which includes 6 credit hours of a and 6 credit hours of Specified Electives).

The Computer Programmer Certificate is a 33 credit hour certificate and the Computer Programming Specialist Certificate are c in the AS Computer Programming and Analysis degree. These certificates can be earned before the student has earned the AS C and Analysis degree.

Course Prerequisites

Many courses require prerequisites. Check the description of each course in the list below to check for prerequisites, minimum other restrictions related to the course. Students must complete all prerequisites for a course prior to registering for it.

Graduation

Students must fulfill all requirements of their program major in order to be eligible for graduation. Students must indicate their i commencement ceremony, by completing the Commencement Form by the published deadline.

General Education Requirements: 18 Credit Hours

ENC 1101 - Composition I **3 credits**
ENC 1102 - Composition II **3 credits**

SPC 1017 - Fundamentals of Speech Communication **3 credits**
OR
SPC 2608 - Introduction to Public Speaking **3 credits**

PHI 2100 - Introduction to Logic **3 credits**
Any General Education Mathematics Course (MAC 1105 -College Algebra or STA 2023 -Statistical Methods I recommended)
Any General Education Social Sciences Course (ECO 2013 - Principles of Macroeconomics recommended) **3 credits**

Computer Programming & Analysis Core Requirements: 42 Credit Hours

CGS 2108 - Computer Applications with Flowcharting
OR CGS1100 – Computer Applications for Business 3 credits

CIS 2321 - Systems Analysis and Design **3 credits**
COP 1000 - Introduction to Computer Programming **3 credits**

COP 1822 - Internet Programming HTML **3 credits**
COP 2800 - Java Programming **3 credits**

COP 2823 - Advanced Microsoft Web Development **3 credits**
OR
COP 2830 - Internet Programming HTML II **3 credits**

CTS 1131 - Computer Hardware **3 credits**
CTS 1133 - Computer Software **3 credits**
MAN 2021 - Management Principles **3 credits**

SLS 1331 - Personal Business Skills **3 credits**
OR
SLS 1515 - Cornerstone Experience **3 credits**

Choose *one* from the two-course language sequence groupings below:

Visual Basic Sequence - 6 credits
COP 1170 - Visual Basic Programming I **3 credits**
COP 2171 - Visual Basic Programming II **3 credits**

C++ Sequence - 6 credits
COP 1224 - Programming with C++ **3 credits**
COP 2228 - Advanced Programming with C++ **3 credits**

C# Sequence - 6 credits
COP 2360 - C# Programming I **3 credits**
COP 2362 - C# Programming II **3 credits**

Specified Electives:

Any 1000 or 2000 level computer course with a COP or CTS prefix **3 credits**
Any 1000 or 2000 level computer course with a COP, CGS, CTS, CNT, CIS, or CAP prefix **3 credits**

Total Degree Requirements: 60 Credit Hours

Computer Programmer, CCC

Return to: Programs of Study

Purpose

The College Credit Certificate (CCC) Computer Programmer program prepares students for further education and careers in the field. The content covers concepts necessary to analyze business situations and to design, develop and write computer programs retrieve specific documents, data, and information; analyze problems using logic/analysis tools, code into computer language; te document and maintain computer programs.

This program is designed to help students obtain the skills needed to earn various industry-recognized certifications.

Program Structure

This program is a planned sequence of instruction consisting of 30 credit hours of Computer Programming Core Requirements a Specified Electives. Students completing this College Credit Certificate can transfer the credits directly to the AS Computer Pro Degree.

Course Prerequisites

Many courses require prerequisites. Check the description of each course in the list below to check for prerequisites, minimum other restrictions related to the course. Students must complete all prerequisites for a course prior to registering for it.

Certificate Completion/Graduation

Students must fulfill all requirements of their program major in order to be eligible for graduation. Students must indicate their i commencement ceremony, by completing the Commencement Form by the published deadline.

Computer Programmer Certificate Requirements: 33 Credit Hours

CGS 2108 - Computer Applications with Flowcharting **3 credits**
OR CGS1100 – Computer Applications for Business 3 credits

COP 1000 - Introduction to Computer Programming **3 credits**
COP 1822 - Internet Programming HTML **3 credits**
COP 2800 - Java Programming **3 credits**

COP 2823 - Advanced Microsoft Web Development **3 credits**
or
COP 2830 - Internet Programming HTML II **3 credits**

CTS 1131 - Computer Hardware **3 credits**
CTS 1133 - Computer Software **3 credits**
Any additional 1000 or 2000 level computer course with a COP prefix **3 credits**

Choose *one* from the two-course language sequence groupings below:

Visual Basic Sequence: 6 credits

- COP 1170 - Visual Basic Programming I **3 credits**
- COP 2171 - Visual Basic Programming II **3 credits**
-

C++ Sequence: 6 credits

- COP 1224 - Programming with C++ **3 credits**
- COP 2228 - Advanced Programming with C++ **3 credits**
-

C# Sequence: 6 credits

- COP 2360 - C# Programming I **3 credits**
- COP 2362 - C# Programming II **3 credits**

Specified Electives

- Any additional 1000 or 2000 level computer course with a COP, CGS, CTS, CNT, CIS, or CAP prefix **3 credits**

Total Certificate Requirements: 33 Credit Hours