

Articulation Coordinating Committee

November 26, 2018
1:00 – 3:00 p.m., EST

Dial in: 888-670-3525
Code: 2485005088#

Introduction	
Welcome and Chair Comments	Dr. Ed Massey
Action Items	
1. Updates to Program Requirements in the Common Prerequisite Manual	Todd Clark/Lynda Page/Karinda Barrett
Discussion Items	
2. Member Discussion	ACC Members

Next ACC Meeting: February 20, 2019 from 1pm to 4pm

**ACC Membership
November 2018**

Florida College System	State University System	Career and Adult Education
Ed Massey – Chair Indian River State College	Jennifer Buchanan Florida State University	Sylvia Jackson Gadsden County Public Schools
Karen Borglum Valencia College	William Hudson Florida A&M University	Anna Lebesch St. Johns River State College

K12 Education	Nonpublic Education	Student Member
Vanessa Hilton Pasco County Schools	Theresa Antworth ICUF	Brielle Crooms Florida A&M University
Beth Thedy Brevard County Schools	Tim Worley Palm Beach Atlantic University	

**Articulation Coordinating Committee
November 26, 2018**

Item #1: Revisions to the Common Prerequisite Manual

ACC Action: Approval

See Appendix A

CIP Area	Title	Institution(s)	Action	Oversight Committee Recommendation
13.0101 T. 2	Child Development	FGCU	New Track	Approval
13.1205 T. 4	Secondary Teacher Ed Biology Teacher	UCF	Updated track to match prerequisites in 13.1316	Approval
13.1312	Music Education	Music Programs	Reworking and Defining of current CP Page	Approval
15.1001 T. 1	Construction Technology	FGCU	Curriculum options for FGCU	Approval
26.0702	Entomology	UF	Specialization updates	Approval
26.0908 T. 2	Applied Physiology and Kinesiology	UF	Fitness and Wellness Track	Approval
27.0304	Mathematics: Computational and Applied	USFSP	New Degree Program	Approval
50.0901 50.0903 50.0904 50.0910 50.1003 50.9999 51.2305	Music-Related Programs	Music Programs	Reworking and Defining of current CP Page	Approval
51.0000 T. 4	Occupational Therapy	FAMU, UF	Curriculum Modification	Approval
51.0204	Speech Pathology	Degree Programs	Curriculum Modification	Approval

Technical Changes

CIP Area	Title	Institution(s)	Action
13.1205 Tracks 2, 3, 4	Secondary Teacher Ed	FGCU	Institution added to the page
13.1316 Tracks 1, 2,4	Science Teacher Ed	UCF, UNF	Delete universities. Program Terminated
51.1005	Medical Technology/Clinical Laboratory Sciences	UWF	Credit Hours of Degree Change
51.3801	Nursing AS to BS	VC, FKCC	Institutions added to the page

Presenters: Todd Clark/Lynda Page/ Karinda Barrett

**Articulation Coordinating Committee
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Item #2: Member Discussion

ACC Action: Discussion

Facilitator: Todd Clark

**Articulation Coordinating Committee
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APPENDIX A

Program: Education, General **CIP:** 13.0101
 Child Development **Track:** 2/2
Offered At: FGCU **Program Length:** 120 Cr. Hrs.

Technical Addition reflecting historical practice.

**LOWER LEVEL
COURSES**

Cr Hours

There are no common prerequisites for this degree program.

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 0	Minus Number of Proposed Common Prerequisite Credit Hours
+ 0	Plus Number of Common Prerequisites in General Education Core
60	Equals Number Credit Hours to complete the 36 remainder hours of General Education

Memo 9-28-18 re common prerequisites CIP 13.0101
Florida Gulf Coast University

On June 17, 2008, the FGCU Board of Trustees approved a baccalaureate degree program in CIP 13.0101, Education General. The program was called B.S. Child Development. This was initially an AS-BS program that was the result of collaboration and formal articulation agreement with Edison State College. Planned implementation was fall 2008. There were no concentrations and no common prerequisites. The intent of the program was to prepare students for employment in the fields of child care and children's services from birth to age five. On August 21, 2008, FGCU received a memorandum from Mr. Richard Stevens, Director of Academic and Student Affairs, Florida Board of Governors, stating that the FGCU program was added to the SUS Degree Program Inventory under CIP 13.0101. At that time, the decision was made at the state level not to document this program in the common prerequisite manual.

The following is email correspondence on September 22, 2010, between Dr. Cathy Duff and Mr. Richard Stevens regarding the process for changing the program name:

From: Duff, Dr. Cathy [<mailto:cduff@fgcu.edu>]
Sent: Wednesday, September 22, 2010 2:43 PM
To: Stevens, Richard
Cc: Raynor, Peggy
Subject: Program nomenclature change

Hi Richard,

FGCU currently has approval for a BS Child Development (CIP 13.0101) program. Our faculty and administration are considering changing the name to BS Child and Youth Studies. The thought is that we would have a concentration/track in Child Studies and another concentration/track in Youth Studies (currently, there are no concentrations).

The faculty believe that this change would allow us to offer a more targeted curriculum. The core of the program will remain essentially the same as was approved in 2008. Could you advise me on what is required for this type of nomenclature change? Thanks. Cathy

Dr. Cathy J. Duff
Office of Curriculum & Instruction | Florida Gulf Coast University
10501 FGCU Blvd. S., Fort Myers, FL 33965-6565 | Office: 239-590-7043 | Fax: 239-590-7378 | cduff@fgcu.edu

From: Stevens, Richard [<mailto:Richard.Stevens@flbog.edu>]
Sent: Wednesday, September 22, 2010 3:21 PM
To: Duff, Dr. Cathy
Cc: Raynor, Peggy; Autry, Shanna; Minear, Dorothy
Subject: RE: Program nomenclature change

Cathy

If you are not planning on changing the CIP Code, then all we need is a letter advising us of the name change and what tracks you will be running. If you are planning on changing the CIP Code, then we need a letter requesting the change and verifying that the existing code will no longer be valid for the university.

Hope this helps.

Richard

On February 20, 2011, Dr. Duff officially notified Mr. Stevens of the nomenclature change for CIP 13.0101:

From: Duff, Dr. Cathy [<mailto:cduff@fgcu.edu>]
Sent: Thursday, February 10, 2011 12:06 PM
To: Stevens, Richard
Subject: RE: Program nomenclature change

Hi Richard,
FGCU is making nomenclature changes to two undergraduate programs effective fall 2011. The CIPs will remain the same as will the common prerequisites.

CIP 13.0101

Current name: B.S. Child Development

Name effective fall 2011: B.S. Child and Youth Studies

Students in this program can choose from the following 18-hour concentrations: Child Studies or Youth Studies

CIP 11.0101

Current name: B.S. Computer Science

Name effective fall 2011: B.S. Software Engineering

This is a single track program (no concentrations or additional majors under this CIP).

Please let me know if you have any questions or if we need to provide a more formal letter. Thanks for your assistance.

Best regards,
Cathy
Dr. Cathy J. Duff

On June 21, 2011, the FGCU Board of Trustees approved a nomenclature change for CIP 13.0101, Education General, from B.S. Child Development to B.S. Child and Youth Studies effective fall 2011. The intent of the nomenclature change was to more accurately reflect the scope of the curriculum, which focused on children of varying ages. The change made the program more attractive to a wider range of individuals who were interested in the field. With the change, students could select from two concentrations: Child Studies or Youth Studies. The common prerequisites did not change from what was previously approved for 13.0101 for FGCU: none. As previously noted, the common prerequisites were not documented in the common prerequisite manual.

FGCU is requesting a technical change to the current (2018-19) Common Prerequisite Manual to include FGCU in CIP 13.0101, CIP title Education General, as Track 2/2. The program name at FGCU is Child and Youth Studies. The position of the faculty has been and continues to be that EDF X005 is not needed as a common prerequisite for all students entering this major. FTIC students who need or want this course are advised to take it. Others, especially transfer students or students who are changing majors, could be in a situation of having to take an extra 3 credits to declare and finish this major. The faculty do not believe that EDF X005 is essential preparation for the major.

We thank you for your assistance in clarifying this matter so that there is no longer confusion with the Common Prerequisite Manual.

Program: Secondary Teacher Ed **CIP:** 13.1205
Biology Teacher Education **Track:** 4/6
Offered At: UCF **Program Length:** 120 Cr. Hrs.

**LOWER LEVEL
COURSES**

Cr Hours

EDFX005 3
& Select from the following:
Take all four courses:
BSCX010
& BSCX010L
& BSCX011
& BSCX011L
OR Take both courses:
BSCX010C
& BSCX011C
& Select from the following:
CHMX045C OR PHYX048C or PHYX053C
Or Take both Courses:
CHMX045 & CHMX045L
Or take both courses:
PHYX048 & PHYX048L
Or Take both of the following:
PHYX053 & PHYX053L
& Select two options from the following: (1)
CHMPHYX045C or CHMX046C
Or PHYX049C or PHYX048C
Or PHYX053C or PHYX054C
Or take both courses:
PHYX053 & PHYX053L
Or take both courses:
CHMX045 & CHMX045L
Or take both courses:
CHMX046 & CHMX046L
Or take both courses:
PHYX048 & PHYX048L
Or take both courses:
PHYX049 & PHYX049L
Or take both courses:
PHYX054 & PHYX054L

& Select from the following:
MACX311 or MACX241

(1) or higher. Students are expected to take 8 credit hours of Chemistry/lab and/or Physics/lab course work.

(Note to common prerequisite committee: this aligns with the common prerequisites found for 13.1316)

Program:	<u>Music Teacher Education</u>	CIP:	<u>13.1312</u>
		Track:	<u>1</u>
Offered At:	<u>FAMU, FAU, FGCU, FSU*, UCF*, UF*, UNF*</u>	Program Length:	<u>134 cr hrs</u>
	<u>USF, UWF</u>		

**LOWER LEVEL
COURSES**

	Cr Hours
EDFX085 (4)	
EDFX005 or MUEX040 (4)	
& EMEX040 (1) or MUEX691 or MUEX693 or MUEX690	
& MUTX111 or MUTX121	3
& MUTX112 or MUTX122	3
& MUTX116 or MUTX126	3
& MUTX117 or MUTX127	3
<u>Select from the following options for 4 credits:</u>	4
MUTX241 & MUTX242 & MUTX246 & MUTX247	
Or MUTX221 & MUTX222 & MUTX226 & MUTX227	
Or MUTX271 & MUTX272 & MUTX276 & MUT X277	
<u>Take 4 semesters of the following coursework: (1)</u>	
& MUNXXXX	4
<u>Take 2 semesters of the following coursework: (1)</u>	
& MVxXX1X (2)	2-4
<u>Take 2 semesters of the following coursework: (1)</u>	
& MVxXX2X (2)	2-4
<u>Repeat these courses up to 4 semesters in order to gain piano proficiency: (3)</u>	
<u>& MVKX111 & MVKX112 & MVKX121 & MVKX122</u>	
(1) <u>This course will no longer be required for admission purposes for students anticipating entering teacher education degree programs as a junior fall 2019 and beyond.</u>	
(1) <u>Music program national accreditation requires minimum semesters of exposure in specified coursework.</u>	
(2) <u>Definitions</u>	
<u>MVxXX1X is defined as a course under one of the specified prefixes that constantly maintains the digit 1 or 2 (depending upon which course) while allowing 0-9 to replacing each "X." The prefix varies depending upon the student's focus (i.e. Brass, Strings, Woodwinds, etc.). Prefix areas to choose from are MVB, MVH, MVJ, MVK, MVO, MVP, MVS, MVV and MVW. Two examples of possible courses are MVB1011 or MVP1311. Examples for MVxXX2X are MVW2223 and MVK2222.</u>	
(3) <u>Or Secondary Piano Proficiency by examination.</u>	
<u>(2) or MVKX111& MVKX112& MVKX121 & MVKX122 OR MVKX111r & MVKX1114 & MVKX121r & MVKX121r & MVKX211 & MVKX221 as needed to achieve piano proficiency.</u>	
<u>(3) Varies from Track to Track.</u>	
<u>Please note: Duplicate courses such as MVKX111r may be repeated up to 4 times.</u>	

Program:	<u>Construction/Building Technology</u>	CIP:	<u>15.1001</u>
		Track:	<u>1/3</u>
Offered At:	<u>FIU</u>	Program Length:	<u>121 cr hr</u>
	<u>UF*</u>		<u>125</u>
	<u>FGCU</u>		<u>126</u>

**LOWER LEVEL
COURSES**
Cr Hours

ACGX021 (1, 2, 3)
or ACGX023(1)
Or ACGX001(1)

& BCNX251 (2, 3)

& BCNX253 (1)

& BCNX280 (1) or SURX101 (1)

& BCNX210 (1, 2, 3)

& BCNX405C (3)

& ECOX013 (1,2, 3) or ECOX023 (1,2)

& GLYX010 & GLYX010L
Or GLYX030C (1, 3)

& MACX233 (1)
Or MACX311 (1,2)
Or MACX147 (3)

Precalculus

& PHYX053 & PHYX048L (1)
Or PHYX004 & PHYX004L (2)
Or PHYX005 & PHYX005L
Or PHYX053C (3)

& STAX023 (1, 2, 3)

& BULX320 (1, 3) or BULX0241 (1, 3) or BULX310 (2, 3)
Or BULX130 (3)

& ENCX210 (2)

& SPNX180 (2) or SPNX120 (2)

& COMX000 (2) or SPCX608 (1, 2, 3)

& BCNX001 (3)

Construction Seminar

- (1) FIU requirement.
- (2) UF requirement
- (3) FGCU requirement

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 32	Minus Number of Proposed Common Prerequisite Credit Hours
+ 6	Plus Number of Common Prerequisites in General Education Core
34	Equals Number Credit Hours to complete the 30 remainder hours of General Education

BCNX001 is taught at PESC, PHSC, SFC, SJRSC, and TCC (and FAMU, UF, and, soon, FGCU)

Application to **Modify** Currently Approved Common Prerequisites

Degree Program Name: Construction Management (B.S.C.M.) CIP Code: 15.1001 Anticipated Degree Total Hours: 126

Are other degree programs under this name currently found in the Common Prerequisite Manual (CPM)? Yes No

If yes, under what CIP code: 15.1001

Institution Requesting Modification: Florida Gulf Coast University

Name of Contact Person: Lisa Zidek

Email Address of Above: lzidek@fgcu.edu Phone Number: 239-590-7392

Please list the current common prerequisites and any corresponding approved alternative courses. Please add rows to the table as appropriate.

CIP: 15.1001

Track: 1

Current Primary Prerequisites	Current Alternative Course(s)
ACGX021 (1, 2)	ACGX024 (1) ACGX001 (1)
BCNX251 (2) BCNX253 (1)	BCNX280 (1) SURX101 (1)
ECOX013 (1, 2)	ECOX023 (1, 2)
GLYX010/X010L	GLYX030C (1)
MACX233 (1)	MACX311 (1, 2)
PHYX053/X048L (1)	PHYX004/X004L (2) PHYX005/X005L
STAX023 (1, 2)	
BULX320 (1)	BULX241 (1) BULX310 (2)
ENCX210 (2)	
SPNX180 (2)	SPNX120 (2)
COMX000 (2)	SPCX608 (1, 2)

(1) FIU

2. Does this modification of currently approved common prerequisites involve adding another track to the currently approved prerequisites within the *Common Prerequisite Manual*?

No _____ Yes _____

Maybe - depends upon Discipline Committee Recommendation X _____

If yes or maybe above, please provide justification regarding the significant differences in your curriculum that would necessitate a new track with different common prerequisites:

FGCU is requesting:

- Identification of adopted common prerequisite to conform with format (1) FIU and (2) UF
- Addition of BCN 1001 Construction Management Seminar to provide students with a solid foundation on the basic concepts and methods related to construction management.
- Addition of MAC 1147 as an acceptable substitution for MAC x233. MAC 1147 is a prerequisite to PHY 2053C which is also being adopted as a common prerequisite
- Addition of PHY 2053C as an acceptable substitution for PHY X053/X048L. The corresponding lab for PHYx053 is X053L. These classes are offered as a combined lecture/lab at FGCU under the course number PHY2053C.
- Addition of BUL 3130 as an acceptable substitution for BULX320.

3. If adding a common prerequisite course or course substitute, please provide the following information. You can find details about individual courses at the [hyperlink to the Statewide Course Numbering System \(SCNS\)](#). Type in the prefix and four digit number of the proposed course. The hyperlink leads to a page with two worksheets: statewide course detail and institutions. Clicking on the institutions page will identify the institutions offering the course. Be aware that there may be institutions besides Florida College System (FCS) and State University System (SUS) institutions listed.

Add rows as necessary.

Proposed Course	Title of Proposed Course	# FCS Currently	# SUS Currently	Justification for the addition or deletion
		Offering Course	Offering Course	
BCN XXXX (1001)	Construction Seminar	6	2	The content of this courses will provide students with introductory knowledge in basic construction management principles that would better prepare them to take required courses in the program
MAC 1147	Precalculus	>10	>10	Requested to be added as an acceptable substitution
PHY 2053C	College Physics w/Lab I	>10	>10	Requested to be added as an acceptable substitution
BUL 3130	Legal & Ethical Enviro of Bus	>10	5	Requested to be added as an acceptable substitution

4. If your request includes course(s) that are offered currently at 3 or less FCS institutions, please provide a justification as to why these courses are critical for a student's success in your upper division. **N/A**

5. If your request includes courses that are offered currently only at your institution, do you have the same amount of elective credit hour space in your upper division so that the associate in arts transfer student is held harmless in excess hours and time? **N/A**
 - a. Yes _____
 - b. No _____

6. If your request includes courses that are offered only at your institution, are you willing and able to offer these courses online or during the summer so that transfer students may pick up the courses without delaying admission for the fall? **N/A**

7. Is the credit hour total for required work more than 24?

Yes

If yes, how do you anticipate students meeting general education requirement:

a. _____

Course(s) are anticipated to be "core" general education;

b. Anticipate that institutions will have course(s) as part of their institution's general education program.

Other:

Note:

Program: Entomology

CIP: 26.0702

Offered At: UF

Track: 1

Program Length: 120 Cr. Hrs.

LOWER LEVEL COURSES

Cr Hours

BSCX010 & BSCX010L Or BSCX010C Or BSCX040 & BSCX040L Or PCBX011C Or BOTX010C Or BSCX040C	4
& BSCX011 & BSCX011L Or BSCX011C Or BSCX041 & BSCX041L	4
& CHMX045 & CHMX045L CHMX045C Or CHMX040 & CHMX041	4
& <u>Select from the following: (1)</u> CHMX046 & CHMX046L (4) Or CHMX046C	4
& MACX142 (2) Or MACX114 & MACX140	3
& <u>Select from the following: (2)</u> MACX311 (2) Or MACX233 Or MACX253 Or MACX281 Or MACX241	4
& <u>Select from the following: (3)</u> PHYX053 & PHYX053L (3) <u>Or PHYX004 & PHYX004L</u> <u>Or PHYX053C</u>	4
& STAX023 (4)	3

(1) CHMX046/046L is required for all specializations except Ecotourism and Urban Pest Management the Biological Science of Insects and Preprofessional specializations but not Urban Pest Management.

(2) MACX311 is required for Basic Science and the Preprofessional specializations; MACX233 is required for the Biological Science of Insects specialization; and MACX142 or MACX114 or MACX140 is required for Ecotourism, Plant Protection, and the Urban Pest Management specialization.

(3) PHYX053/X053L is required for Preprofessional specialization: PHYX004/X004L is required for Ecotourism, Plant Protection, the Biological Science of Insects and Urban Pest Management specializations.

(4) required by all specializations except Ecotourism.

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 27	Minus Number of Proposed Common Prerequisite Credit Hours
+ 6	Plus Number of Common Prerequisites in General Education Core
39	Equals Number Credit Hours to complete the 30 remainder hours of General Education

Program:	<u>Applied Physiology and Kinesiology</u>	CIP:	<u>26.0908</u>
	Fitness and Wellness	Track:	<u>2/2</u>
Offered At:	<u>UF</u>	Program Length:	<u>120 Cr. Hrs.</u>
	_____		_____

**LOWER LEVEL
COURSES**

Cr Hours

BSCX085 & BSCX085L

Or PETX322 and PETX322L

Or ~~APKX100C & APKX100L~~

Or BSCX093 & BSCX093L

Or BSCX093C

Or BSCX085C

& BSCX086 & BSCX086L

Or PETX323C and ~~PETX86L~~

Or ~~APKX105C & APKX105L~~

Or BSCX094 & BSCX094L

Or BSCX094C

Or BSCX086C

& PSYX012

& ECOX023

& STAX023

& HUNX201

& MACX0147 or MACX140 or MACX311

~~& APKX300~~ or ATRX010C or PETX622

(Not Shown on Common Prerequisite Page - FYI to Discipline Committee:Only):

ATRX010C is taught by 3 universities; and PETX622 is taught by 5 universities and 12 FCS institutions.

(NOTE: Lab courses are deleted to there being no SCNS Version)

Program: Mathematics: Computational and Applied **CIP:** 27.0304
Offered At: USFSP **Track:** 1
Program Length: 120 Cr. Hrs.

NEW program in a New CIP.

LOWER LEVEL COURSES

Cr Hours

<u>COPX030</u>	<u>3</u>	<u>Programming Concepts</u>
<u>Or COPX360 or COPX222</u>		
<u>Or COPX250</u>		
<u>& STAX023</u>	<u>3</u>	<u>Introductory Statistics I</u>
<u>& MACX311</u>	<u>4</u>	<u>Calculus I</u>
<u>& MACX312</u>	<u>4</u>	<u>Calculus II</u>
<u>& MACX313</u>	<u>4</u>	<u>Calculus II</u>
<u>& MAPX302</u>	<u>3</u>	<u>Differential Equations</u>
<u>Select one course and corresponding Lab (1)</u>		
<u>& ASTX002 & ASTX002L</u>	<u>4</u>	
<u>or BSCX005 & BSCX005L</u>		
<u>or BSCX010 & BSCX010L</u>		
<u>or BSCX085 & BSCX085L</u>		
<u>or CHMX020 & CHMX020L</u>		
<u>or CHMX045 & CHMX045L</u>		
<u>or ESCX000 & ESCX000L</u>		
<u>or EVRX001 & EVRX001L</u>		
<u>or PHYX020 & PHYX020L</u>		
<u>or PHYX048 & PHYX048L</u>		
<u>or PHYX053 & PHYX053L</u>		

(1) Or any other state General Education Core Natural Science Course with Associated Laboratory.

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 25	Minus Number of Proposed Common Prerequisite Credit Hours
+ 6	Plus Number of Common Prerequisites in General Education Core
41	Equals Number Credit Hours to complete the 30 remainder hours of General Education

Application to Approve Common Prerequisites for New Degree

Degree Program Name: Mathematics: Computational and Applied CIP Code: 27.0304 Anticipated

Degree Total Hours: 120 credit hours

Are other degree programs under this name currently found in the Common Prerequisite Manual (CPM)? Yes No

If yes, under what CIP code? N/A

Institution Requesting Modification: University of South Florida St. Petersburg Name of

Contact Person: Cynthia Brown Hernandez

Email Address: cynthiab@usf.edu

Phone Number: 813-974-1791

Please list the current common prerequisites for any similar program (may be in a different CIP but same major): Please add rows to the table as appropriate.

CIP: 27.0101

Track: 1/4

Current Primary Prerequisites	Current Alternative Course(s)
COP XXXX	
MAC X311	
MAC X312	
MAC X313	
BSC XXXX/XXXXL	CHM XXXX/XXXXL PHY XXXX/XXXXL GLY XXXX/XXXXL
MAP X302	

1. Is there a similar program? Yes No

2. If yes, are you requesting a modification of currently approved common prerequisites of a similar program within the *Common Prerequisite Manual*? N/A
 No Yes

Maybe - depends upon Discipline Committee recommendation _____

If yes or maybe above, please provide justification regarding the significant differences in your curriculum that would necessitate a new track with different common prerequisites:

3. What are your proposed common prerequisites? Please provide the following information. You can find details about individual courses at the hyperlink to the Statewide Course Numbering System ([SCNS](#)). Type in the prefix and four digit number of the proposed course and select the Search button. The resulting hyperlink of the course number leads to a page with two tabs: statewide course detail and institutions. Clicking on the institutions tab will identify the institutions offering the course.

Please add rows to the table as appropriate.

Proposed Course	Title of Proposed Course	# FCS Currently Offering Course	# SUS Currently Offering Course	Justification for the addition or deletion
COP 2030	Programming Concepts	0	1	Basic and essential computer programming skills are needed for applied mathematics.
STA 2023	Introductory Statistics I	28	11	STA 2023 is the prerequisite for STA 3024 Introductory Statistics II and STA 4102 Computational Methods for Applied Statistics, the statistics sequence in this degree
MAC 2311	Calculus I	28	12	These courses are the foundation of the calculus sequence for this degree program and are the prerequisites for upper-level courses.
MAC 2312	Calculus II	28	11	
MAC 2313	Calculus III	27	11	
MAP 2302	Differential Equations	27	11	
State Core General Education Natural Science Course with Associated Laboratory	The title is different for each discipline (e.g., Chemistry, Biology, Physics, etc.).			Provide relevant applied mathematics and statistics learning in science courses, in preparation for further learning and work in STEM, via computational and applied mathematics.

4. If your request includes course(s) that are offered currently at three or fewer FCS institutions, please provide a justification as to why these courses are critical for a student's success in your upper division.

Part of what makes this STEM-area degree program unique is the broad range of disciplinary knowledge in math, from statistics, geometry, calculus, modelling, analysis, and computer science. COP 2030 provides the foundational computer science skills needed for further computer application in courses in the program.

5. If your request includes courses that are offered currently only at your institution, do you have enough elective credit hour space in your upper division curriculum so that the associate in arts transfer student can complete the courses and still be held harmless in excess hours and time?
- a. Yes X b. No _____
6. If your request includes courses that are offered only at your institution, are you willing and able to offer these courses online or during the summer so that transfer students can complete the courses without delaying admission for the fall?
- a. Yes X b. No _____
- b. Is the credit hour total for required prerequisite coursework more than 24 credit hours? _____
No X

Additional Coursework Required for new Computational and Applied Mathematics

	lower or upper	Alternate or Only	FCS	Univ
COPX030		Only		
STAX023		Only		
MACX311	Lower	Only	10+	
MACX312		Only		
MACX313		Only		
MAPX302		Only		
ASTX002/L		Alternate		
BSCX005/L		Alternate		
BSCX010/L		Alternate		
CHMX020/L		Alternate		
CHMX045/L		Alternate		
ESCX000/L		Alternate		
EVRX001/L		Alternate		
PHYX020/L		Alternate		
PHYX048/L		Alternate		
PHYX053/L		Alternate		

COPX2222	2 fcs
cop2250	6 fcs
copx350	10+

Program:	<u>Music Teacher Education</u>	CIP:	<u>50.</u>
		Track:	<u>1</u>
Offered At:	<u>FAMU, FAU, FGCU, FSU*, UCF*, UF*, UNF*</u>	Program Length:	<u>134 cr hrs</u>
	<u>USF, UWF</u>		

LOWER LEVEL COURSES

	Cr Hours
EDFX085 (1) EDFX005 or MUEX040 (4) & EMEX040 (1) or MUEX691 or MUEX693 or MUEX690	
& MUTX111 or MUTX121	3
& MUTX112 or MUTX122	3
& MUTX116 or MUTX126	3
& MUTX117 or MUTX127	3
<u>Select from the following options for 4 credits:</u> MUTX241 & MUTX242 & MUTX246 & MUTX247 Or MUTX221 & MUTX222 & MUTX226 & MUTX227 Or MUTX271 & MUTX272 & MUTX276 & MUT X277	4
<u>Take 4 semesters of the following coursework: (1)</u> & MUNXXXX	4
<u>Take 2 semesters of the following coursework: (1)</u> & MVxXX1X (2)	2-4
<u>Take 2 semesters of the following coursework: (1)</u> & MVxXX2X (2)	2-4
<u>Repeat these courses up to 4 semesters in order to gain piano proficiency: (3)</u> & MVKX111 & MVKX112 & MVKX121 & MVKX122	
 (7) <u>This course will no longer be required for admission purposes for students anticipating entering teacher education degree programs as a junior fall 2019 and beyond.</u>	
 (1) <u>Music program national accreditation requires minimum semesters of exposure in specified coursework.</u>	
 (8) <u>Definitions</u> MVxXX1X is defined as a course under one of the specified prefixes that constantly maintains the digit 1 or 2 (depending upon which course) while allowing 0-9 to replacing each "X." The prefix varies depending upon the student's focus (i.e. Brass, Strings, Woodwinds, etc.). Prefix areas to choose from are MVB, MVH, MVJ, MVK, MVO, MVP, MVS, MVV and MVW. Two examples of possible courses are MVB1011 or MVP1311. Examples for MVxXX2X are MVW2223 and MVK2222.	
 (9) <u>Or Secondary Piano Proficiency by examination.</u>	
 (2) or MVKX111 & MVKX112 & MVKX121 & MVKX122 OR MVKX111r & MVKX1114 & MVKX121r & MVKX121r & MVKX211 & MVKX221 as needed to achieve piano proficiency.	
 (3) <u>Varies from Track to Track.</u>	
 <u>Please note: Duplicate courses such as MVKX111r may be repeated up to 4 times.</u>	

Program:	<u>Health Science</u>	CIP:	<u>51.0000</u>
	Pre-Occupational Therapy	Track	<u>4/7</u>
Offered At:	<u>FAMU, UF</u>	Program Length:	<u>120 Cr. Hrs.</u>

LOWER LEVEL COURSES

Cr Hours

BSCX010 & BSCX010L
 Or BSCX010C
 Or BSC X005 & BSC X005L
 Or BSCX005C

& PSYX012 ~~or~~
 & SYGX000 Or ANTX000

& STAX023 Or STAX122 or STAX034 or STAX173

~~& MACX105~~

& BSCX0393 & BSCX093L & BSCX094 & BSCX094L
 Or BSCX093C & BSCX094C
 Or ZOOX733 & ZOOX733L & PCBX703 & PCBX703L
Or BSCX085 & BSCX085L & BSCX086 & BSCX086L
Or BSCX085C & X086C
Or APK 2100C & APK 2105C

~~& CHMX020 & CHMX020L~~
~~Or CHMX045 & CHMX045L~~
~~Or CHMX045C~~
~~Or CHMX031 & CHMX031L~~

& DEPX004 Or DEP X053 or CLP X140 or CLP X143 or CLP X144

~~& PHYX053 & PSYX048L (PHYX048L?)~~
~~Or PHYX048 & PHYX048L~~
~~Or PHYX049 & PHYX049L~~
~~Or PHYX054 & PHYX054L~~

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
— 24	Minus Number of Proposed Common Prerequisite Credit Hours
+	9 Plus Number of Common Prerequisites in General Education Core
45	Equals Number Credit Hours to complete the 27 remainder hours of General Education

Program: Speech Pathology & Audiology **CIP:** 51.0204
Offered At: FSU*, UCF, UF*, USF, USFSM **Track:** 1
Program Length: 120 Cr. Hrs.

LOWER LEVEL COURSES

	Cr Hours
STAXXX	3
& BSCXXX <u>C</u> (1) Or APKXXX or ANTX514	4
& <u>Select from the following:</u> (1) PHYXXX <u>C</u> or CHMXXX <u>C</u> Or PSCXXX	4
& PSYXXX or EXPXXX Or CLPXXX or DEPXXX Or SYGXXX or SYDXXX Or SYOXXX or SYPXXX Or FYCXXX or FADXXX	3

(1) The University of Central Florida does not require the lab component as a common prerequisite.

Review of Common Prerequisite Completion within 60 hours	
60	Credit Hours for AA Degree
- 14	Minus Number of Proposed Common Prerequisite Credit Hours
+	Plus Number of Common Prerequisites in General Education Core
46	Equals Number Credit Hours to complete the 36 remainder hours of General Education