New College of Florida CIP code change requests:

	Current CIP PS		Program Name Majors/Concentrations	Requested CIP	PSE	pages
1	03.0103 Environmental Studies	\checkmark	Environmental Studies	(no change)		
2	11.0104 Informatics	\checkmark	Applied Data Science (M.S.)	30.7001 Data Science, General	\checkmark	3-5
3		\checkmark	Chinese	(no change)		
4		\checkmark	French	(no change)		
5		\checkmark	German	(no change)		
6	16.0101 Foreign Lang/Lit	\checkmark	Russian	(no change)		
7		\checkmark	Spanish	(no change)		
8		\checkmark	Classics	16.1200 Classics & Classical Lang		
9		\checkmark	Greek	16.1200 Classics & Classical Lang		6-9
10		\checkmark	Latin	16.1200 Classics & Classical Lang		
11			Anthropology	45.0201 Anthropology		10-12
12			Art	50.0102 Digital Arts	\checkmark	13-15
13			Art History	50.0703 Art History, Crit., Cnsrv		16-19
14			Creative Writing	23.1302 Creative Writing		20-22
15			Economics	45.0601 Economics		23-26
16			English Literature	23.0101 English Language & Lit		27-30
17			Finance	52.0801 Finance, General	\checkmark	31-33
18			History Medieval & Ren. Studies	54.0101 History, General		34-37
19			Humanities	(no change)		
20	24.0199 Lib. Arts & Sciences		Liberal Arts	(no change)		
22			Music	50.0901 Music, General		38-41
23			Philosophy	38.0101 Philosophy		42-45
24	ł		Political Science Public Policy	45.1001 Political Science & Govt.		46-49
25			Psychology	42.0101 Psychology, General		50-53
26			Quantitative Economics	45.0603 Econometrics & Quant Econ	\checkmark	54-56
27			Religion	38.0201 Religion/Religious Studies		57-60
28			Rhetoric and Writing	23.1304 Rhetoric and Composition		61-63
29			Social Sciences	(no change)		
30			Sociology	45.1101 Sociology		64-67
31			Theater, Dance, Performance	50.0501 Drama and Theatre Arts		68-71

	Current CIP	PSE	Program Name	Requested CIP	PSE	pages
32		\checkmark Animal Wellbeing & Conserv.		(no change)		
33		\checkmark	Biology Biochemistry Biopsychology Health, Culture, Societies	26.0101 Biology/Bio Sciences	\checkmark	72-75
34		\checkmark	Chemistry	40.0501 Chemistry, General		76-79
35		\checkmark	Computer Science	11.0701 Computer Science	\checkmark	80-82
36		\checkmark	Data Science	30.7001 Data Science, General	\checkmark	83-85
37	30.0101 Bio & Phys Sciences	\checkmark	Marine Biology	30.3201 Marine Sciences	\checkmark	86-88
38	8	\checkmark	Mathematics Applied Mathematics	27.0101 Mathematics, General	\checkmark	89-92
39			Natural Sciences	(no change)		
40			Neuroscience	26.1501 Neuroscience		93-96
40		\checkmark	Physics	40.0801 Physics, General		97-99
42		\checkmark	Statistics Quantitative Social Science	27.0501 Statistics, General	\checkmark	100-103
43	30.2001 Intl/Globalization Std	\checkmark	International and Area Studies, including: • Caribbean & Latin Amer • East Asian Studies • European Studies	(no change)		



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	11.0104	30.7001
CIP	(Informatics)	(Data Science, General)
Program Name	Applied Data Science	Applied Data Science

Degree Level: Masters

Effective Term of Reporting Students Under New CIP: Fall 2024

Board of Trustees

04/11/2029 Date Approved by Board of Trustees

/12/2024 /15/2024 Date

ignature of President

Signature of Provost

1. Does the program currently fall under one of the CIP codes listed below that are eligible for the PSE waiver? (*Baccalaureate program only*)

🗌 Yes 📃 No

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

6. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

Not applicable.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
on the analysis of large scale data sources from the interdisciplinary perspectives of applied statistics, computer science, data storage, data representation, data modeling, mathematics, and statistics. Includes instruction in computer	IDC 5204: Applied Statistics I IDC 5110: Data Munging and Exploratory Data Analysis IDC 5120: Algorithms for Data Science IDC 5210: Applied Machine Learning IDC 5251: Industrial Seminar Series IDC 5205: Applied Statistics II IDC 5112: Data Visualization IDC 5130: Databases for Data Science IDC 5131: Distributed Computing IDC 6200: Advanced Applied Statistics IDC 6215: Advanced Applied Computing IDC 6250: Practical Data Science IDC 6294: Industrial Practicum	Required courses include applied statistics, computer science (programming, algorithms), data storage, data representation, and data modeling.



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	16.0101	16.1200
CIP	(Foreign Languages & Literatures,	(Classics and Classical Languages,
	General)	Literatures, and Linguistics, General)
Program Name	Classics, Latin, Greek	Classics, Latin, Greek

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Board of Trustees

rustees Date Approved by Board

4/12/2024 4/15/2024

Signature of President

Signature of Provosť

Date

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

Classics Program								
CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE						
A general program that focuses on the literary culture of the ancient Graeco-Roman world and the Greek and Latin languages and literatures and their development prior to the fall of the Roman Empire	LANG 2110, 2120: Elementary Homeric Greek I and II LANG 4010: Advanced Latin: Pliny, Natural History LANG 4020: Advanced Latin: Horace, Satires	The program required 52 credit hours of coursework in Greek and Latin languages and literatures, as well as three independent study projects and a thesis/baccalaureate exam.						

Greek Program

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program that focuses on the literary culture of the ancient Graeco-Roman world and the Greek and Latin	LANG 2110, 2120: Elementary Homeric Greek I and II LANG 4120: Advanced Greek: Euripides' Cyclops	The program required 24 credit hours of coursework in Greek language and literature, as well as three independent study projects and a thesis/baccalaureate exam.
languages and literatures and their development prior to the fall of the Roman Empire	Select two: LANG 4010: Advanced Latin: Pliny, Natural History LANG 4130: Advanced Greek: Herodotus' Histories LANG 4160: Advanced Greek: Euripides' Medea LITR 2065: Greek Monsters and Marvels LITR 2090: Ancient Greek Drama Thesis and Baccalaureate Exam	

Latin Program

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
focuses on the literary culture of the ancient Graeco-Roman world and the Greek and Latin languages and literatures and their development prior to the fall of the Roman Empire	Language courses: LANG 2010, 2020: Elementary Latin I and II LANG 4010: Advanced Latin: Pliny, Natural History LANG 4020: Advanced Latin: Horace, Satires LANG 4035: Advanced Latin: Ovid, Metamorphoses LANG 4035: Advanced Latin: Ovid, Metamorphoses LANG 4040: Advanced Latin: Plautus, Amphitruo LANG 4050: Advanced Latin: Catullus, Poems Select two: LITR 2010: Ancient Epic LITR 2040: Roman Civilization LITR 2040: Roman Civilization LITR 2047: Greek and Roman Lyric Poetry LANG 2110: Elementary Homeric Greek I LANG 4060: Advanced Latin: Apuleius, Cupid and Psyche LANG 4070: Advanced Latin: Petronius, Satyrica LANG 4130: Advanced Greek: Herodotus' Histories LANG 4150: Intermediate/Advanced Greek: Homer, Iliad Thesis and Baccalaureate Exam	The program required 24 credit hours of coursework in Latin language and literature, as well as three independent study projects and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	()coupation Litio	Source / Reason for Inclusion

Labor Market Demand, CIP Code 16.1200

	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level	
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry	
Editors	2.2	-4	481	11,600	102	-4,900	Bachelor's degree	
Interpreters and Translators	23.1	4.3	715	7,200	1,159	3,000	Bachelor's degree	
Museum Technicians and Conservators	6.9	9.9	48	1,900	25	1,400	Bachelor's degree	
Secondary School Teachers, Except Special and Career/Technical Education	8.9	1	4,936	67,100	5,381	11,100	Bachelor's degree	
Technical Writers	13.3	6.9	431	4,800	511	3,700	Bachelor's degree	
Writers and Authors	9.7	3.7	681	15,500	561	5,600	Bachelor's degree	

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested	
	24.0199	45.0201	
CIP	(Liberal Arts & Sciences, General	(Anthropology, General)	
	Studies, and Humanities, Other)		
Program Name	Anthropology	Anthropology	

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signat re of Chair of **Board of Trustees**

Date Approved by Board of Trustees

4/12/2024 Date 4/15/2024

Signature of President

no

Signature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION

COURSES THAT ALIGN WITH THE NEW CIP

ALIGNMENT RATIONALE

	ANTH 2100: Introduction to Cultural Anthropology	The program required 32 credit hours of
study of human beings, their antecedents and related primates, and their cultural		coursework in Anthropology, as well as three independent study projects and a
behavior and institutions, in comparative		thesis/baccalaureate exam.
perspective. Includes instruction in	ANTH 4600: Method and Theory in Archaeology	
biological/physical anthropology,	ANTH 2600: Intro to Biological Anthropology	
primatology, human paleontology and prehistoric archeology, hominid evolution,	ANTH 3100: Language, Culture, and Society	
anthropological linguistics, ethnography,	Collaborative Institutional Training Initiative (CITI)	
	Course in the Protection of Human Subjects: Certified	
	Ethics Training for Studying Human Subjects	
research methods, and applications to areas	Thesis and Baccalaureate Exam	
such as medicine, forensic pathology,		
museum studies, and international affairs		

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	()cclination Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 45.0201

		Change penings		Average penings	# Total Jo	of New bs	Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Managers, All Other	6.1	3.3	5,217	94,400	3,593	41,000	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	50.0102
CIP	(Liberal Arts & Sciences, General	(Digital Arts)
	Studies, and Humanities, Other)	
Program Name	Art	Art

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signature of **Board of Trustees** Chair off

Signature of President

ne

Signature of Provost

24

Date Approved by Board of Trustees

4/12/2024 9/15/2024

Date

1. Does the program currently fall under one of the CIP codes listed below that are eligible for the PSE waiver? (*Baccalaureate program only*)

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

🗌 Yes 🛛 🖾 No

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will cause the program to be listed as a PSE.

6. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
undifferentiated program that focuses on the use of computerized digital images as the primary medium of expression in the visual and performing arts, and that may prepare individuals for a wide variety of careers using new media, including graphic design,	ART 2490: Drawing Through Photography ART 2500: 3D Design: Tools & Techniques ART 3300: Scope and Tropes: Handmade Animation ART 3560: Emerging Media and Interactive Art ART 3572: Internet as a Tool for Making Art ART 4998: Senior Seminar MUSC 2350: Digital Media Design MUSC 3875: Electronic Music Thesis Project: Exhibition & Portfolio	The program offers 40 credit hours of coursework focused on the use of computerized digital images, including graphic design, digital animation, music and sound design, and photography. The program also requires three Independent Study Projects and a thesis/baccalaureate exam.



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	50.0703
CIP	(Liberal Arts & Sciences, General	(Art History, Criticism and Conservation)
	Studies, and Humanities, Other)	Artiliotony
Program Name	Art History	Art History

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

of Board of Trustees Signature of Chair

Date Approved by Board of Trustees

4/12/24 4/15/24

Date

Signature of President

Signature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A program that focuses on the study of the historical development of art as social and intellectual phenomenon, the analysis of works of art, and art conservation. Includes instruction in the theory of art, art history research methods, connoisseurship, the preservation and conservation of works of art, and the study of specific periods, cultures, styles, and theme	ARTH 3755: Monuments & Methods: Classical Antiquity ARTH 2500: Masterpieces: Medieval/Renaissance/Baroque ARTH 3750: Medieval and Early Modern Eras ARTH 3525: Ren. & Baroque at the Ringling Museum ARTH 2375: Pleasure and Power: Art in the 18th Century ARTH 2665 Art in Nineteenth-Century Europe and the US ARTH 3665: Modernism in the Visual Arts: 1900-1940	The program required 28 credit hours of coursework in Art History, one art- related internship, one studio/fine/digital art class, three independent study projects, and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	()ccupation Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 50.0703

	Percent Change in Job Openings			Average penings	Total # Jo	of New bs	Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Museum Technicians and Conservators	6.9	9.9	48	1,900	25	1,400	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

Page 3 of 4

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

		Requested
	Current	23.1302
	24.0199	(Creative Writing)
C	IP (Liberal Arts & Sciences, General	(oreauto triano)
•	Studies, and Humanities, Other)	Creative Writing
Program Nat		Creative Writing

Program Name

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Date Approved by Board of Trustees e of Chair of Board of Trustees Signatu 4/12/24 Date

Signature of President

Signature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
short story, poetry, the novel, and others. Includes instruction in technical and editorial	Two beginning or intermediate-level writing workshops, such as: LITR 2110: Beginning Creative Writing Workshop LITR 3115: Stories & Scripts Workshop LITR 3170: Poetry Recess: A Creative Writing Workshop LITR 3244: A Reading as a Writer Seminar Two Craft Seminars, such as: LITR 3248: Writing Environments LITR 3800: Creative Writing, Course, and the Unknown A fourth-year creative writing tutorial (independent study) Thesis that incorporates a sustained piece of imaginative writing of literary merit, and Baccalaureate Exam	The program required 24 credit hours of coursework in creative writing, as well as three independent study projects and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Occupation Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 23.1302

	Percent Change		Annual Average		Total # of New		Education
	in Job Openings		Job Openings		Jobs		Level
Occupations	FL	U.S.	FL	U.S.	FL	U.S.	Needed
	2023-31	2022-32	2023-31	2022-32	2023-31	2022-32	for Entry
Editors	2.2	-4	481	11,600	102	-4,900	Bachelor's degree
Writers and Authors	9.7	3.7	681	15,500	561	5,600	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	45.0601
CIP	(Liberal Arts & Sciences, General	(Economics, General)
	Studies, and Humanities, Other)	
Program Name	Economics	Economics

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signate Trustees bard of

Signature of President

Date Appro **Board'of Trustees** ed by

Date

and

Signature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
organizational frameworks related to these processes. Includes instruction in economic theory, micro- and macroeconomics, comparative economic systems, money and banking systems, international economics, quantitative analytical	or ECON 2100 & 2150: Introductory Micro and Macroeconomics	The program required 40 credit hours of coursework in economics, as well as three independent study projects and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Occupation Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 45.0603

	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Managers, All Other	6.1	3.3	5,217	94,400	3,593	41,000	Bachelor's degree
Secondary School Teachers, Except Special and Career/Technical Education	8.9	1	4,936	67,100	5,381	11,100	Bachelor's degree
Social Science	15.1	4.8	127	4,400	127	1,600	Bachelor's

Page 3 of 4

Research				degree
Assistants				

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-</u> information/data-center/statistical-programs/employment-projections



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	23.0101
CIP	(Liberal Arts & Sciences, General	(English Language and Literature, General)
	Studies, and Humanities, Other)	
Program Name	English and Literature	English and Literature

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signa Date Approved by **Board of Trustees Board of Trustees** Chai e of Signature of President Date

Signature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

English Program

CIP CODE DESCRIPTION COURSES THAT ALIGN WITH THE NEW CIP ALIGNMENT RATIONALE A general program that focuses on Two classes in Textual Analysis, such as: The program required 32 credit hours the English language, including its LITR 2330: Introduction to Literary Studies of coursework in English, as well as history, structure and related LITR 2390: Law and Literature: Narrative and Rhetoric in Action three independent study projects and communications skills; and the a thesis/baccalaureate exam. Two classes in Historial Approaches, such as: literature and culture of English-LITR 2180: Imagining and Reimagining Early England speaking peoples. LITR 3150: Rewriting the Renaissance: Transforming Authorship Two classes in Cross-Cultural Perspectives, such as: LITR 2070: Landscape in Chinese Literature LITR 3490: Latin American Storytellers Two classes in Criticism/Theory, such as: LITR 3210: Chaucer: Imaginary Persons & Narrative Form LITR 4300: Lines of Sight: Poetry and the Visual Arts Thesis and Baccalaureate Exam

Literature Program

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program that focuses on	LITR 2520: Introduction to Literature: Reading Poetry	The program required 24 credit hours of
the English language, including its history, structure and related communications skills; and the literature and culture of English- speaking peoples.	Two classes in Literary Methods, such as: LITR 4620: Postcolonial Literature and Theory LITR 3185: Dostoevsky: The Major Novels	coursework in Literature, as well as three independent study projects and a thesis/baccalaureate exam.
	Three electives, including: One course focused on literature before 1900 One course focused on poetry or poetics	
	Thesis and Baccalaureate Exam	

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Source / Reason for Inclusion

Labor Market Demand, CIP Code 23.0101

	Percent Change		Annual Average		Total # of New		Education
	in Job Openings		Job Openings		Jobs		Level
Occupations	FL	U.S.	FL	U.S.	FL	U.S.	Needed
	2023-31	2022-32	2023-31	2022-32	2023-31	2022-32	for Entry

Page 3 of 4

Proofreaders and Copy Markers	1.5	-3.9	67	900	7	-300	Bachelor's degree
Secondary School Teachers, Except Special and Career/Technical Education	8.9	1	4,936	67,100	5,381	11,100	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	52.0801
CIP	(Liberal Arts & Sciences, General	(Finance, General)
	Studies, and Humanities, Other)	
Program Name	Finance	Finance
9	a second design of the second s	

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Date Approved by Board of Trustees Signaty Chair of B Trustees oard of of 4/12/24 Date 4/15/2024 Signature of President Cur

Signature of Provost

1. Does the program currently fall under one of the CIP codes listed below that are eligible for the PSE waiver? (*Baccalaureate program only*)

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

🛛 Yes 🗌 No

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty. Current and future students will now have access to the PSE waiver. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will cause the program to be listed as a PSE.

6. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
prepares individuals to plan, manage, and analyze the financial and monetary aspects and performance of business	Thesis and Baccalaureate Exam	The program requires 24 credit hours of coursework in finance, three Independent Study Projects, a senior thesis in finance, and baccalaureate exam. Other coursework includes courses in economics.



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	54.0101
CIP	(Liberal Arts & Sciences, General	(History, General)
	Studies, and Humanities, Other)	
Program Name	History	History

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signatur oard of Trustees

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Date Approved by Board of Trustees

12/24

Date

Signature of Provost

Signature of President

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

History Program (History major/concentration)

CIP CODE DESCRIPTION COURSES THAT ALIGN WITH THE NEW CIP ALIGNMENT RATIONALE A program that focuses on the HIST 3100: Historical Methods The program required 46 credit hours of general study and interpretation of coursework in History, as well as three Eight courses (two courses in each of four of five fields): the past, including the gathering, independent study projects and a Premodern History recording, synthesizing and thesis/baccalaureate exam. Modern European History criticizing of evidence and theories American History about past events. Includes East Asian History instruction in historiography; Transnational History historical research methods; studies Three electives, such as: of specific periods, issues and HIST 2260: Ancient Rome: History and Legacy cultures; and applications to areas HIST 2133: A Brief History of the Bible such as historic preservation, public HIST 3885: Environmental History of China policy, and records administration HIST 4700: Seminar in European Military History Thesis and Baccalaureate Exam

History Program (Medieval Renaissance major/concentration)

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
general study and interpretation of the past, including the gathering,	One relevant Art History course, such as: ARTH 3750: Medieval and Early Modern Eras ARTH 2500: Masterpieces: Medieval/Ren/Baroque	The program required 32 credit hours of coursework in History-focused courses, as well as three independent study
criticizing of evidence and theories about past events. Includes	One relevant History course, such as: HIST 2300: The Middle Ages & Birth of the Modern World HIST 2450: Early Modern Europe: The World in Maps	projects and a thesis/baccalaureate exam.
historical research methods; studies of specific periods, issues and	One relevant Literature course, such as: LITR 2180: Imagining and Reimagining Early England LITR 3210: Chaucer: Imaginary Persons and Narrative Form	
cultures; and applications to areas such as historic preservation, public policy, and records administration	One relevant Philosophy or Religion course, such as: RELI 3440: Jewish Scriptures PHIL 4150: Early Modern Women Philosophers	
	Two additional courses in one of the previous categories	
	Two classes in related fields, such as: Classical Antiquity Early Judaism and Christianity Islamic Studies Premodern China The Seventeenth Century Museum Studies Thesis and Baccalaureate Exam	

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code Occupation Title Source / Reason for Inclusion

Page 3 of 4

(XX-XXXX)	

Labor Market Demand, CIP Code 54.0101

	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level	
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry	
Managers, All Other	6.1	3.3	5,217	94,400	3,593	41,000	Bachelor's degree	
Secondary School Teachers, Except Special and								
Career/Technical Education	8.9	1	4,936	67,100	5,381	11,100	Bachelor's degree	

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	50.0901
CIP	(Liberal Arts & Sciences, General	(Music, General)
	Studies, and Humanities, Other)	
Program Name	Music	Music

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signatu e of Chair of Board of Trustees

Board of Trustees Date Approved by

Signature of President

ann Signature of Provost

-1-7 15/24 Date

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
the introductory study and appreciation of music and the	MUSC 3100: Music Theory II MUSC 2300: Keyboard Skills	The program required 36 credit hours of coursework in Music, as well as three independent study projects and a
performing arts. Includes instruction in music, dance, and other performing arts media	Two writing-enhanced music courses, such as: MUSC 2175: Western Art Music Tradition MUSC 2190: Opera, Ballet, and the Supernatural MUSC 2700: Sound Studies: An Introduction	thesis/baccalaureate exam.
	Four elective music courses Thesis and Baccalaureate Exam	

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Occupation Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 50.0901

	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Middle School Teachers, Except Special and Career/Technical Education	9	0.8	3,398	42,200	3,522	5,100	Bachelor's degree
Music Directors and Composers	10	1.1	597	5,100	525	600	Bachelor's degree
Secondary School Teachers, Except Special and Career/Technical	8.9	1	4,936	67,100	5,381	11,100	Bachelor's degree

Page 3 of 4

Education							
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Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - https://data.bls.gov/projections/occupationProj

Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	38.0101
CIP	(Liberal Arts & Sciences, General	(Philosophy)
	Studies, and Humanities, Other)	5 2 5.0
Program Name	Philosophy	Philosophy

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signature of Board of Trustees C hàir

Date Appro Trustees

4112/24 11/2/201

Signature of President

man

Signature of Provost

Date

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
abstract and real phenomena. Includes instruction in logic, ethics, aesthetics, epistemology, metaphysics, symbolism, and history of philosophy, and applications to	or PHIL 2200: Modern Philosophy One additional course in the History of Philosophy, such as: PHIL 2150: Comparative History of Philosophy PHIL 3410: Medieval Philosophy	The program required 40 credit hours of coursework in Philosophy, as well as three independent study projects and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Occupation Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 38.0101

	Percent Change		Annual Average		Total # of New		Education
	in Job Openings		Job Openings		Jobs		Level
Occupations	FL	U.S.	FL	U.S.	FL	U.S.	Needed
	2023-31	2022-32	2023-31	2022-32	2023-31	2022-32	for Entry

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - https://data.bls.gov/projections/occupationProj

Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	45.1001
CIP	(Liberal Arts & Sciences, General	(Political Science and Government,
	Studies, and Humanities, Other)	General)
Program Name	Political Science	Political Science

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Date Approved by Board of Trustees Signature of Chair of Board of Trustees 4/12/24 4/10/24 **Signature of President** Date

ignature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

Political Science (Political Science major/concentration)

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program that focuses on the systematic study of political institutions and behavior. Includes instruction in political philosophy, political theory, comparative government and politics, political parties and interest groups, public opinion, political research methods, studies of the government and politics of specific countries, and studies of specific political institutions and processes	POLS 2200: Comparative Politics	The program required 40 credit hours of coursework in Political Science, as well as three independent study projects and a thesis/baccalaureate exam.

Political Science (Public Policy major/concentration)

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program that focuses on the systematic study of political institutions and behavior. Includes instruction in political philosophy, political theory, comparative government and politics, political parties and interest groups, public opinion, political research methods, studies of the government and politics of specific countries, and studies of specific political institutions and processes	ECON 3100: Public Finance: Government Expenditures ECON 3110: Public Finance: Taxation	The program required 44 credit hours of coursework in political science, public policy, and economics, as well as three independent study projects and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Occupation Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 45.1001

	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Chief Executives	-0.8	-8.2	2,307	15,300	-257	-23,000	Bachelor's degree
Legislators	4.3	3.4	87	3,400	44	1,500	Bachelor's degree
Managers, All Other	6.1	3.3	5,217	94,400	3,593	41,000	Bachelor's degree
Secondary School Teachers, Except Special and Career/Technical Education	8.9	1	4,936	67,100	5,381	11,100	Bachelor's degree
Social Science Research Assistants	15.1	4.8	127	4,400	127	1,600	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

¢.	Current	Requested	
	24.0199	42.0101	
CIP	(Liberal Arts & Sciences, General	(Psychology, General)	
	Studies, and Humanities, Other)		
Program Name	Psychology	Psychology	

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signate Chair of Bo of Trustees rd

2024 ard of Trustees

Date Approved by Board

Signature of President

Signature of Provost

Date

4/12/24 4/15/pm

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
the scientific study of individual and collective behavior, the physical and environmental bases of behavior, and the analysis and treatment of behavior problems and disorders. Includes instruction in the principles of the various subfields of psychology, research methods, and psychological assessment and testing methods	Four intermediate courses, such as: PSYC 3000: Behavioral Endocrinology PSYC 3025: Educational Psychology PSYC 3400: Cognitive Psychology PSYC 3560: Biological Psychology	The program required 44 credit hours of coursework in Psychology, as well as three independent study projects and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	()cclination Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 42.0101

	Percent Change in Job OpeningsAnnual Average Job OpeningsTotal # of New Jobs			Education Level			
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Managers, All Other	6.1	3.3	5,217	94,400	3,593	41,000	Bachelor's degree

Social Science							
Research							Bachelor's
Assistants	15.1	4.8	127	4,400	127	1,600	degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - https://data.bls.gov/projections/occupationProj

Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	45.0603
	(Liberal Arts & Sciences, General	(Econometrics and Quantitative
	Studies, and Humanities, Other)	Economics)
Program Name	Quantitative Economics	Quantitative Economics

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

of Trustees Signatu Chair of Board of Trustees of Date Approved by Board Signature of President Date

Signature of Provost

1. Does the program currently fall under one of the CIP codes listed below that are eligible for the PSE waiver? (*Baccalaureate program only*)

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

☐ Yes ⊠ No

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will cause the program to be listed as a PSE.

6. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A program that focuses on the systematic study of mathematical and statistical analysis of economic phenomena and problems. Includes instruction in economic statistics, optimization theory, cost/benefit analysis, price theory, economic modeling, and economic forecasting and evaluation	ECON 2110: Principles of Economics or	The program requires 40 credit hours of coursework in econometrics and quantitative economics, three Independent Study Projects, and a thesis/baccalaureate exam.



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	38.0201
CIP	(Liberal Arts & Sciences, General	(Religion/Religious Studies)
	Studies, and Humanities, Other)	
Program Name	Religion	Religion

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signatu Chair of Trustees

2026

Date Approved by Board of Trustees

4/12/24

Signature of President

Date

Signature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A program that focuses on the nature of religious belief and specific religious and quasi-religious systems. Includes instruction in phenomenology; the sociology, psychology, philosophy, anthropology, literature and art of religion; mythology; scriptural and textual studies; religious history and politics; and specific studies of particular faith communities and their behavior.		The program required 36 credit hours of coursework in Religion, as well as three independent study projects and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Source / Reason for Inclusion

Labor Market Demand, CIP Code 38.0201

		Change penings			Total # of New Jobs		Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Clergy	7.9	0.6	1,570	21,900	1,166	1,500	Bachelor's

Page 3 of 4

							degree
Directors, Religious Activities and Education	8.5	-0.2	1,352	16,300	959	-400	Bachelor's degree
Religious Workers, All Other	8.2	0.6	606	10,000	344	400	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	23.1304
CIP	(Liberal Arts & Sciences, General	(Rhetoric and Composition)
	Studies, and Humanities, Other)	
Program Name	Rhetoric and Writing	Rhetoric and Writing

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signat Date Approved by Boa Trustees Chair of Board of Trustees 2/2

Signature of President

Date

Signature of Provost

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A program that focuses on the humanistic and scientific study of rhetoric, composition, literacy, and language/linguistic theories and their practical and pedagogical applications. Includes instruction in historical and contemporary rhetoric/composition theories;	WRTG 2100: R&W – Writing about Writing WRTG 2140: R&W – Writing about Writing in the Sciences WRTG 2300: R&W – Linguistic Approach to Writing	The program required 28 credit hours of coursework in Rhetoric and Writing, employment as a Student Writing Assistant in NCF's Writing Center, as well as three independent study projects and an ePortfolio.
composition and criticism of written, visual, and mixed-media texts; analysis of literacy practices in cultural and cross-cultural contexts;	Two Writing-Enhanced Courses or Writing-Intensive courses Internship in Related Field Employment as Student Writing Assistant ePortfolio Evaluation	

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Occupation Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 23.1304

	Percent Change in Job Openings				Total # of New Jobs		Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Editors	2.2	-4	481	11,600	102	-4,900	Bachelor's degree
Writers and Authors	9.7	3.7	681	15,500	561	5,600	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	45.1101
CIP	(Liberal Arts & Sciences, General	(Sociology)
	Studies, and Humanities, Other)	
Program Name	Sociology	Sociology

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signa are of Chair of Board of Trustees Date Ap ed by Board of Trustees 11212 Signature of Presiden Date Signature of Provost Date

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
systematic study of human social institutions and social relationships. Includes instruction in social theory,	SOCI 3200: Social Theory SOCI 3100: Sociological Research Methods	The program required 36 credit hours of coursework in Sociology, a statistics course, three independent study projects, and a thesis/baccalaureate exam.
organization and structure, social stratification and hierarchies, dynamics of social change, family structures, social deviance and control, and applications to the study of specific social groups, social institutions, and social problems.	Five electives, with 1+ class from each of the following areas: Social Organization/Institutions Social Change Persons and Society Thesis and Baccalaureate Exam	

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Source / Reason for Inclusion

Labor Market Demand, CIP Code 45.1101

	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Child, Family, and School Social Workers	12.5	5.3	1,733	29,500	1,906	18,900	Bachelor's degree
Managers, All Other	6.1	3.3	5,217	94,400	3,593	41,000	Bachelor's degree
Social Science Research Assistants	15.1	4.8	127	4,400	127	1,600	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - https://data.bls.gov/projections/occupationProj

Page 3 of 4

Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>

Page 4 of 4



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
	24.0199	50.0501
CIP	(Liberal Arts & Sciences, General	(Drama and Dramatics/Theatre Arts,
	Studies, and Humanities, Other)	General)
Program Name	Theater, Dance, Performance	Theater, Dance, Performance

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

e of Chair Signati

of Board of Trustees

Signature of President

Signature of Provost

Date Approved by Board of Trustees

4/12/24

Date

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE		
	ANTH 2450: The Anthropology of Performance LITR 2090: Ancient Greek Drama LITR 2150: Theater and Society MUSC 2100: Music Theory I	The program required 48 credit hours of coursework in Theater, Dance, and Performance, as well as three independent study projects and a thesis/baccalaureate exam.		
	One Acting course, such as: TDPS 2510: Acting I TDPS 3500: Acting II TDPS 3750: Performance Practicum - Theater One Dance course, such as: TDPS 2090: The Elements of Dance TDPS 2550: Introduction to Dance TDPS 2300: Ballet I			
	One Technical Theater course, such as: TDPS 2050: Basics of Theater Production TDPS 2020: Technical Theater Production One Advanced Practicum course, such as: TDPS 3720: Voice and Speech for the Actor TDPS 3200: Directing I TDPS 3550: Modern Dance and Performance			
	One additional course in any of the above categories One internship with a professional or community organization Thesis and Baccalaureate Exam			

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Source / Reason for Inclusion			

Labor Market Demand, CIP Code 50.0501

	Percent Change		Annual Average		Total # of New		Education
	in Job Openings		Job Openings		Jobs		Level
Occupations	FL	U.S.	FL	U.S.	FL	U.S.	Needed
	2023-31	2022-32	2023-31	2022-32	2023-31	2022-32	for Entry

Actors	12.6	3.2	242	9,300	206	2,500	Some college, no degree
Producers and Directors	5.3	6.7	922	16,000	475	11,700	Bachelor's degree

Sources:

Date Retrieved: 02/29/2024

U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	30.0101	26.0101
	(Biological & Physical Science)	(Biology/Biological Sciences, General)
Program Name	Biology	Biology

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signati Chair o Trustees

Signature of President

Signature of Provost

2024

Date Approved by Board of Trustees

4/12/24

Date

Yes

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program of biology at the introductory, basic level or a program in biology or the biological sciences that is undifferentiated as to title or content. Includes instruction in general biology and programs covering a variety of biological specializations.	7 Organismia Saala	The program requires 44 credit hours of biology coursework, three Independent Study Projects, and a thesis/baccalaureate exam.

Biology (Biology major/concentration)

Biology (Biopsychology major/concentration)

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program of	BIOL 2100: Foundations of Biology I	The program requires 44 credit hours of biology
biology at the introductory, basic level or a program in biology	BIOL 2200: Foundations of Biology II	coursework, three Independent Study Projects,
	PSYC 3560: Biological Psychology	and a thesis/baccalaureate exam.
or the biological sciences	BIOL 2150: Biostatistics	
that is undifferentiated as	BIOL 4960: Research Methods in Biology	
to title or content. Includes instruction in general biology and programs covering a variety of biological	Select one laboratory course: BIOL 3210: Neurobiology Lab BIOL 3360: Animal Behavior Lab BIOL 3610: Fish Biology Lab BIOL 4510: Organismic Biology Lab	

specializations.	Internship or Research Experience for Undergraduates (REU)	
	BIOL 3200: Neurobiology	
	Three intermediate or advanced electives, including:	
	BIOL 2360 Animal Behavior	
	BIOL 3370 Invertebrate Zoology	
	Thesis and Baccalaureate Exam	

Biology (Biochemistry major/concentration)

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
biology at the introductory, basic level or a program in biology or the biological sciences	CHEM 4400: Biochemistry I	The program requires 36 credit hours of biology coursework, three Independent Study Projects, and a thesis/baccalaureate exam. The other requirements include courses in chemistry, physics, and math.

Biology (Health, Culture, and Societies major/concentration)

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
0 1 0	HUMN 2100: A History of Biomedicine	The program includes 28 credit hours of
biology at the introductory, basic level		coursework in biology, biomedicine, and biomedical ethics. The program also requires a
or a program in biology		professionalism seminar, internship or
	BIOL 3270: Social Epidemiology	experiential learning course, three independent
that is undifferentiated as to title or content.	HUMN: Biomedical Ethics	study projects, and a thesis/baccalaureate exam.
Includes instruction in	BIOL 3050: Global Health and Humanity	
	Professionalism Seminar	
	Practicum: Experiential course or internship related to health	
variety of biological specializations.	BIOL 3550: Introduction to Microbiology	
specializations.	Thesis and Baccalaureate Exam	



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	30.0101	40.0501
CIP	(Biological & Physical Science)	(Chemistry, General)
Program Name	Chemistry	Chemistry

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Date Approved by Boar Trustees Signa Trustees Chair of Board of re of

Signature of reside

Signature of Provost

<u>9/12/29</u> Date <u>9/15/5-</u>

1. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program that focuses on	CHEM 2100, 2150: General Chemistry I and II	The program includes 28 credit hours of
the scientific study of the		coursework in biology, biomedicine, and biomedical ethics. The program also
composition and behavior of matter, including its micro- and macro-		requires a professionalism seminar,
structure, the processes of chemical	CHEM 3600, 3610: Organic Chemistry II and Lab	internship or experiential learning
change, and the theoretical	CHEM 4750: Physical Chemistry: Quantum Mechanics	course, three independent study projects, and a thesis/baccalaureate exam.
of these phenomena.	CHEM 4750: Physical Chemistry: Quantum Mechanics CHEM 4760: Physical Chemistry: Thermodynamics	and a thesis/baccalaureate exam.
	CHEM 4755: Physical Chemistry Lab	
	Thesis and Baccalaureate Exam	

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	()cclination Litle	Source / Reason for Inclusion

Labor Market Demand, CIP Code 40.0501

		Change penings		Average penings		of New bs	Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Chemists	11.4	6.2	240	6,600	271	5,400	Bachelor's degree
Forensic Science Technicians	10.1	12.6	268	2,600	190	2,300	Bachelor's degree
Natural Sciences Managers	8.7	4.8	373	6,500	347	4,200	Bachelor's degree
Secondary School Teachers, Except Special and Career/Technical							Bachelor's
Education	8.9	1	4,936	67,100	5,381	11,100	degree

Page 3 of 4

Sources: Date Retrieved: 02/29/2024 U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	30.0101	11.0101
CIF	(Biological & Physical Science)	(Computer & Information Sciences)
Program Name	Computer Science	Computer Science

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signature of Chair of Board of Trustees

Signature of Presider

Signature of Provost

Date Approved by Board of Trustees

Date

🛛 Yes 🗌 No

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty. Current and future students will continue to have access to the PSE waiver. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
	CSCI 2280: Discrete Mathematics for Computer Science CSCI 3400: Objected Oriented Design	The program requires 48 credit hours of computer science coursework (covering programming, application development, AI, systems, and theory), 8 credit hours of mathematics and statistics, a capstone focused on computing, information science, or systems, and a thesis/baccalaureate exam.



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	30.0101	30.7001
UF	(Biological & Physical Science)	(Data Science, General)
Program Name	Data Science	Data Science

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signatu Chair of Board of Trustees

64/11/2029 Date Approved by Board of Trustees

4/12/24 11/2/24

Signature of President

aner

Signature of Provost

Date

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

🗌 Yes 🛛 🖂 No

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A program that focuses on the analysis of large scale data sources from the interdisciplinary perspectives of applied statistics, computer science, data storage, data representation, data modeling, mathematics, and statistics. Includes instruction in computer algorithms, computer programming, data management, data mining, information policy, information retrieval, mathematical modeling, quantitative analysis, statistics, trend spotting, and visual analytics.	MATH 2311: Calculus I CSCI 2200: Introduction to Programming in Python CSCI 3250: Intermediate Python STAN 2700, 2800: Dealing with Data I and II MATH 2500, 3510: Probability I and II MATH 3105: Linear Algebra DATA 3120: Algorithms for Data Science DATA 4300: Databases for Data Science DATA 3300: Software Engineering in Data Science STAN 3275: Applied Linear Models CSCI 4210: Artificial Intelligence and Data Mining DATA 2400: Ethics in Data Science DATA 3131: Distributed Computing Data Science Internship or Community Project Thesis and Baccalaureate Exam	The program includes 60 credit hours of coursework in applied statistics, computer science, data storage, data representation, and data modeling. The program also requires an internship or community project, three independent study projects, and a thesis/baccalaureate exam.



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested	
CIP	30.0101	30.3201	
UIF	(Biological & Physical Science)	(Marine Sciences)	
Program Name	Marine Biology	Marine Biology	

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

D4/11/2024 Date Approved by Board of Trustees Board of Trustees Sia of Chai Signature of President Date

Signature of Provost

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

🗌 Yes 🛛 🖂 No

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A program that focuses	BIOL 2100, 2200, 2110: Foundations of Biology I, II, and Lab	The program requires 52 credit hours of
on the study of biology,	BIOL 2650: Introduction to Oceanography	coursework in marine science, three independent study projects, and a thesis/baccalaureate exam.
chemistry, geology and physics applied to	BIOL 2785: Introduction to Coastal Marine Systems	study projects, and a mesis/baccalaureate exam.
marine, estuarine and	BIOL 3370: Invertebrate Zoology	
coastal environments.	BIOL 3600, 3610: Fish Biology and Lab	
Includes instruction in marine biogeochemistry,	BIOL 3660: Marine Mammal Biology	
atmosphere and ocean	BIOL 3700, 3710: Biology of Sharks, Skates, and Rays with Lab	
dynamics, coastal	BIOL 3140: Marine Ecology	
ecology, coastal ocean processes, microbial	BIOL 4100: Principles of Ecological Management	
ecology, marine	BIOL 3650: Sensory Biology of Fishes	
	BIOL 2500: Coral Reef Issues	
	BIOL 3130, 3145: Marine Ecology Methods and Lab	
	BIOL 2550: Marine Pollution	
	BIOL 2785: Introduction to Coastal Marine Systems	
	BIOL 2850: Analysis of Florida Manatee Mortality Events	
	BIOL 3750: Coral Reef Ecology	
	BIOL 3755: Marine Bio-Optics	
	Thesis and Baccalaureate Exam	



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	30.0101	27.0101
CIP	(Biological & Physical Science)	(Mathematics, General)
Program Name	Mathematics	Mathematics

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Date Approved by Board of Trustees Signatur of Board of Trustees 4/12/24 4/15/2M Signature of President Date Signature of Provost Date

🛛 Yes 🗌 No

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty. Current and future students will continue to have access to the PSE waiver. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
DESCRIPTION A general program that focuses on the analysis of quantities, magnitudes, forms, and	MATH 2311, 2312, 2313: Calculus I-III MATH 3105: Linear Algebra MATH 3300: Ordinary Differential Equations MATH 2500, 3510: Probability I and II MATH 4226: Real Analysis I MATH 4301: Abstract Algebra I MATH 3710: Mathematics Seminar (three semesters) Two upper-level courses from a list that includes:	The program requires 44 credit hours of coursework in mathematics, three independent study projects, and a thesis/baccalaureate exam.
	Real Analysis II Abstract Algebra II Complex Analysis Number Theory with Applications to Cryptography Graph Theory Point-Set Topology Advanced Linear Algebra Partial Differential Equations Basic Set Theory Introduction to Numerical Methods Mathematical Modeling Thesis and Baccalaureate Exam	

Mathematics (Mathematics major/concentration)

Mathematics	(Annlied	Mathematics	maior/	concentration)
Mainematics	Applieu	Mainemailes		

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
		The program requires 44 credit hours of
focuses on the analysis of quantities,		coursework in mathematics, three independent study projects, and a thesis/baccalaureate exam.
magnitudes, forms, and	MATH 3330: Ordinary Differential Equations	study projects, and a mesis/baccalaureate exam.
their relationships, using	MATH 2500, 3510: Probability I and II	
symbolic logic and	MATH 4226: Real Analysis I	

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Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	30.0101	26.1501
CIP	(Biological & Physical Science)	(Neuroscience)
Program Name	Neuroscience	Neuroscience

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signa Trustees Chair of B of bard of

Signature of President

Signature of Provost

レイノ/1/2024 Date Approved by Board of Trus

Trustees

4/12/24 Date 4/15/11

1. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

2. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

3. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

4. For baccalaureate programs, identify any related changes to the approved degree program length.

No changes are being made to the length of the degree program.

5. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

6. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
interdisciplinary scientific study of the molecular, structural,	Four intermediate or advanced courses, such as: BIOL 2360: Animal Behavior BIOL 3200: Neurobiology BIOL 4750: Neuroethology BIOL 3650: Sensory Biology of Fishes PSYC 3000: Behavioral Endocrinology PSYC 4100: Neuroscience of Sport and Exercise PSYC 4475: Advanced Topics in Cognitive Neuroscience	The program includes 24 credit hours of coursework in Neuroscience, as well as three independent study projects, and a thesis/baccalaureate exam.

7. National and Florida Workforce Demand

In the table below, provide occupational linkages or jobs graduates will be qualified to perform based on the training provided for the proposed program that does not currently appear in the most recent version of the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

Occupational Linkages for the Proposed Program

SOC Code (XX-XXXX)	Source / Reason for Inclusion

Labor Market Demand, CIP Code 26.1501

	Percent C Job Op	Change in enings		Average enings	Total # Jo	of New bs	Education Level
Occupations	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	Needed for Entry
Biological Scientists, All Other	-1.9	3.9	282	4,700	-66	2,300	Bachelor's degree
Biological Technicians	13.9	4.7	386	10,600	343	3,900	Bachelor's degree
Natural Sciences Managers	8.7	4.8	373	6,500	347	4,200	Bachelor's degree

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Sources: Date Retrieved: 02/29/2024 U.S. Bureau of Labor Statistics - <u>https://data.bls.gov/projections/occupationProj</u> Florida Department of Economic Opportunity - <u>http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections</u>



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested
CIP	30.0101	40.0801
CIP	(Biological & Physical Science)	(Physics, General)
Program Name	Physics	Physics

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Date Approved by Board of Trustees Signa rustees of Chair of e 12/24 UIKky Signature of President Date Signature of Provost Date

🛛 Yes 🗌 No

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty. Current and future students will continue to have access to the PSE waiver. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
ocuses on the scientific tudy of matter and energy, and the ormulation and testing of the laws governing the behavior of the matter- energy continuum. Includes instruction in classical and modern ohysics, electricity and magnetism, hermodynamics, mechanics, wave properties, nuclear processes, relativity and uantum theory,	PHYS 2525: Physics I PHYS 2510: Physics I Laboratory PHYS 2575: Physics II PHYS 2555: Physics II Laboratory PHYS 4100: Classical Mechanics PHYS 4250: Electricity and Magnetism PHYS 3450: Modern Physics PHYS 3450: Modern Physics Laboratory PHYS 3460: Modern Physics Laboratory PHYS 4500: Physical Optics PHYS 4500: Physical Optics PHYS 4300: Quantum Mechanics PHYS 4100: Classical Mechanics PHYS 4050: Solid State Physics MATH 2311-2313: Calculus I-III MATH 3105: Linear Algebra MATH 3330: Ordinary Differential Equations Thesis and Baccalaureate Exam	The program requires 48 credit hours of coursework in Physics, 20 credit hours of coursework in mathematics, three independent study projects, and a thesis/baccalaureate exam.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.



Current CIP Code & Program Name:

Requested CIP Code & Program Name:

	Current	Requested	
CIP	30.0101	27.0501	
CIP	(Biological & Physical Science)	(Statistics, General)	
Program Name	Statistics	Statistics	

Degree Level: Bachelors

Effective Term of Reporting Students Under New CIP: Fall 2024

Signatu Chair of Board of Trustees Date App Trustees of Signature of President Date

Signature of Provost

Yes

CIP CODE	CIP TITLE	CATEGORY
11.0101	Computer and Information Sciences	STEM
11.0103	Information Technology	STEM
13.1001	Special Education	EDUCATION
13.1202	Elementary Teacher Education	EDUCATION
14.0801	Civil Engineering	STEM
14.0901	Computer Engineering	STEM
14.1001	Electrical and Electronics Engineering	STEM
27.0101	Mathematics	STEM
40.0801	Physics	STEM
52.0301	Accounting	GAP ANALYSIS
52.0801	Finance	GAP ANALYSIS
52.1201	Management Information Systems	STEM

2. Describe any changes that will occur to the current curriculum with the proposed CIP change.

No changes are being made to the current curriculum.

3. Explain the impact of the proposed change on the current faculty and current and future students.

The proposed change to the CIP code will have no impact on current faculty or students. Future students will more easily identify that NCF offers this program.

4. Will the projected costs and associated funding for the current program change with the proposed CIP change?

The projected costs and associated funding for the current program will not change with the proposed CIP change.

5. If applicable, explain how the CIP change will impact the program's listing in a Programs of Strategic Emphasis (PSE) category. Provide a rationale to support the need for the program to be included in a PSE category if it is not already included in a PSE category.

The CIP change will maintain the program's current status as a PSE.

No changes are being made to the length of the degree program.

7. For baccalaureate programs, list the common prerequisites associated with the proposed CIP code for baccalaureate programs.

NCF does not identify common prerequisites, per Board of Governors Regulation 8.010 Common Prerequisites. NCF staff are working to identify the process for using common course codes in the statewide course numbering system and identifying common prerequisites.

8. Complete the curriculum crosswalk below, describing how the new CIP code description aligns with the required courses offered in the academic degree program.

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A general program that focuses on the relationships between	STAN 2700, 2800: Dealing with Data I and II STAN 3275: Applied Linear Models	On top of the mathematics and probability requirements, this program offers 44 credit hours of statistics coursework, three Independent Study Projects, and a thesis/baccalaureate exam.
to almiana dominad from	 STAN 3350: Introduction to Categorical Analysis STAN 3700: R for Data Science STAN 3000: Statistical Learning STAN 3780: Applied Time Series Analysis STAN 3230: Data Visualization and Communication STAN 4300: Statistical Estimation and Inference DATA 3110: Data Munging and Exploratory Data Analysis 	
Monte Carlo method, Bayesian statistics, non- parametric statistics, sampling theory, and statistical techniques.	DATA 4300: Databases for Data Science Thesis and Baccalaureate Exam	

Statistics (Statistics major/concentration)

Statistics (Quantitative Social Science major/concentration)

CIP CODE DESCRIPTION	COURSES THAT ALIGN WITH THE NEW CIP	ALIGNMENT RATIONALE
A program that focuses	Introductory Economics Courses:	The program requires 40 credit hours of
on the systematic study		coursework in econometrics and quantitative
of mathematical and		economics, three Independent Study Projects, and
statistical analysis of	ECON 2100 & 2150: Introductory Micro and Macroeconomics	a thesis/baccalaureate exam.
economic phenomena	ECON 3500: Intermediate Microeconomics	
and problems. Includes	ECON 3550: Intermediate Macroeconomics	
instruction in economic statistics, optimization	MATH 2311-2313: Calculus I-III	
theory, cost/benefit	ECON 4100: Econometrics	
analysis, price theory,	MATH 2500 & 3510: Probability I and II	

Page 3 of 4

	MATH 3105: Linear Algebra
economic forecasting	Choose one:
and evaluation	ECON 3480: Intro Econometrics & Big Data Applications
	STAT 2100: Introduction to Applied Statistics
	POLS 2500: Quantitative Political Analysis I
	Thesis and Baccalaureate Exam