

PROGRAM MODIFICATION PROPOSAL FORM

Name of Institution: University of South Carolina Beaufort (USCB)

Briefly state the nature of the proposed modification:

Adding a new concentration to the existing B.S. in Biology degree program

Current Name of Program (include degree designation, concentrations, options, and tracks):

B.S. in Biology with Concentrations in:
Biomedical Sciences
Coastal Ecology and Conservation

Proposed Name of Program (include degree designation, concentrations, options, and tracks):

B.S. in Biology with a Concentration in Marine Biology

Program Designation:

- | | |
|---|---|
| <input type="checkbox"/> Associate's Degree | <input type="checkbox"/> Master's Degree |
| <input checked="" type="checkbox"/> Bachelor's Degree: 4 Year | <input type="checkbox"/> Specialist |
| <input type="checkbox"/> Bachelor's Degree: 5 Year
Ph.D. and DMA) | <input type="checkbox"/> Doctoral Degree: Research/Scholarship (e.g.,
Ph.D. and DMA) |
| <input type="checkbox"/> Doctoral Degree: Professional Practice (e.g., Ed.D., D.N.P., J.D., Pharm.D., and M.D.) | |

Does the program qualify for supplemental Palmetto Fellows and LIFE Scholarship awards?

- Yes
 No

Proposed Date of Implementation: Fall 2020

CIP Code: 26.1302 Marine Biology and Biological Oceanography

Current delivery site(s) and modes: Historic Beaufort Campus - 50901
Hilton Head Gateway Campus - 50903

Proposed delivery site(s) and modes: Historic Beaufort Campus - 50901
Hilton Head Gateway Campus - 50903
Hilton Head Island Campus - 56518

Program Contact Information: Dr. Kimberly Ritchie
Associate Professor of Biology
843-521-4135 or kritchie@uscb.edu

Institutional Approvals and Dates of Approval:

Evaluating Unit	Dates of Approval
School Dean, Joseph L. Staton	13 February 2020
Academic Affairs & Institutional Effectiveness	17 February 2020
Dean's Council	20 February 2020
Courses & Curricula Committee	21 February 2020
Faculty Senate Chair	20 March 2020
Chancellor	03 April 2020
USC System Board of Trustees	19 June 2020 (anticipated)

Background Information

Provide a detailed description of the proposed modification, including target audience, centrality to institutional mission, and relation to strategic plan.

The University of South Carolina Beaufort (USCB) is seeking to add a concentration in Marine Biology to its extant B.S. Biology degree program. As stated in its mission, "[t]he University of South Carolina Beaufort (USCB) "responds to regional needs, draws upon regional strengths, and prepares graduates to contribute locally, nationally, and internationally with its focus on teaching, research, and service." Two of USCB's five strategic plan goals are Academic Excellence: "expand and enhance the rigorous, experiential academic environment" and Engagement and Partnership: "expand and deepen partnerships with organizations whose mission, goals, and future are enhanced by alignment with the university mission". Students and community/industry leaders have been vocal about their desire for a Marine Biology degree program at the University. Rather than move forward with a complete degree in the field, the University identified a 15 credit hour Marine Biology concentration as a more efficient and viable initial route to provide students with the necessary coursework and credential. A concentration in Marine Biology will embrace local values of preservation and conservation of our coastal flora, fauna and habitats. Also, given the proximity of the University to the marine and estuarine environments that pervade the immediate region, USCB will be able to provide experiential and cooperative internships with local and regional agencies concerned with the environmental quality of the Lowcountry. The surrounding environment provides the economic and cultural foundation for the quality of life experienced by local residents. The University shares a common goal with the residents of the Lowcountry; protection and enhancement of the coastal ecosystems. This common goal necessitates close and durable relationships between government, business, educational and nonprofit entities to assure marine environmental preservation for generations to come.

Assessment of Need

Provide an assessment of the need for the program modification for the institution, the state, the region, and beyond, if applicable.

Within the last four years, students attending USCB *Campus Day* events have shifted from a majority of students inquiring about pre-med to nearly 70% of inquiries about a Marine Biology degree program. Of freshmen surveyed in an introductory biology class, more than 40% express interest in a degree program specifically addressing a focus in marine biology. Analysis of potential efficiencies indicate that a 15 credit hour concentration in Marine Biology as an option with the Biology degree will provide the education students want in a more cost-effective structure. Given the University's coastal county location and the research emphasis of many of our faculty, marine biology is a natural fit for a new concentration at USCB. Beaufort County harbors one of the largest expanses of *Spartina* marsh on the eastern coast of the United States, with estimates ranging as high as 10% of the total on the east coast. Beaufort County also borders the 350,000 acre Ashepoo, Combahee, Edisto (ACE) Basin, described as "One of the last great places" by the Nature Conservancy. These areas host a huge diversity of nursery and adult habitats for commercial marine species. However, the region lacks any significant basic marine and environmental research, despite its environmental prominence and importance. In a recent study on severe declines in international bird populations, wetland regions were the only general area type where significant declines did not occur. Understanding and preserving this region and others like it are of increasing importance in the wake of sea-level rise and changes in climate. The new program ties directly to USCB's Strategic plan. Employment opportunities in South Carolina and the United States for graduates with the Marine Biology concentration are listed in the table below.

Beaufort County and its economy are highly tied to its natural resources and the marine environment and relies on a workforce that is knowledgeable about and educated on the preservation of that environment. USCB has partnerships with local and regional non-profits and agencies (National Oceanic and Atmosphere Administration, National Marine Fisheries Service, SC Department of Natural Resources (SC DNR), Port Royal Sound Foundation to list a few) for student internship and job opportunities following graduation. Several USCB students graduating with the Coastal Ecology and Conservation concentration have gained local employment with SC DNR, conservation foundations, Hunting Island, Charles Town Landing, and Edisto Beach State Parks. Increased anthropogenic pressures like tourism-related

development, river and estuarine dredging projects and the possible development of a *Super Port* in Jasper County all jeopardize our local estuarine and marine environment and make training young environmental scientists vital for the continued health of these wild systems. Conversations held with Marine Biology master’s degree program leaders at the University of South Carolina Columbia, Coastal Carolina University, and College of Charleston—the three institutions in the state offering the degree—substantiated that implementation of this concentration would provide a strong foundation for graduates to continue study and obtain a master’s degree in state, preparing them even further to positively impact the region and the state.

Employment Opportunities (not required for a program modification)

Occupation	State		National		Data Type and Source
	Expected Number of Jobs (2016)	Employment Projection (2016-2026)	Expected Number of Jobs (2016)	Employment Projection (2016-2026)	
Biological Scientists	210	230 (9.5%) ↑	38,700	41,800 (8.0%) ↑	1. U.S. Bureau of Labor Statistics ¹ 2. Projections Central ²
Biological Science Teachers Postsecondary	640	750 (17.2%) ↑	62,300	71,700 (15.1%) ↑	
Biological Technicians	590	660 (11.9%) ↑	82,100	90,400 (10%) ↑	
Environmental Scientists and Specialists, Incl. Health	420	490 (16.7%) ↑	89,500	99,400 (11.1%) ↑	
Geoscientists	180	210 (16.7%) ↑	32,000	36,500 (14%) ↑	
Hydrologists	120	130 (8.3%) ↑	6,700	7,400 (10.4%) ↑	
Life, Physical, and Social Science Technicians	190	210 (10.5%) ↑	76,100	83,500 (9.7%) ↑	
Microbiologists	90	110 (22.2%) ↑	23,200	25,100 (8.2%) ↑	
Natural Science Managers	490	570 (16.3%) ↑	56,700	62,300 (9.9%) ↑	
Zoologists and Wildlife Biologists	240	260 (8.3%) ↑	19,400	20,900 (7.7%) ↑	
Average Growth		14.20% ↑		10.75% ↑	
Total Available Jobs	3,170 (Year 2016)	3,620 (Year 2026)	486,700 (Year 2016)	539,000 (Year 2026)	

¹ <https://www.careeronestop.org>

² <http://www.projectionscentral.com/Projections/LongTerm>

Transfer and Articulation

Identify any special articulation agreements for the modified proposed program. Provide the articulation agreement or Memorandum of Agreement/Understanding.

N/A

Description of the Program

Projected Enrollment						
Year	Fall Headcount		Spring Headcount		Summer Headcount	
	New	Total	New	Total	New	Total
2020	10	10	2	10	0	7
2021	16	23	4	22	0	16
2022	18	34	6	32	0	24
2023	20	44	6	40	0	30
2024	22	52	8	48	0	36
2025	24	60	8	54	0	41

Explain how the enrollment projections were calculated.

Incoming freshmen Biology majors were surveyed to assess interest in a degree in marine biology at USCB. More than 43% of Biology freshmen expressed a desire to earn a degree in marine biology, if given the opportunity. The addition of a 15 credit hour Marine Biology concentration will provide a similar credential that is expected to be attractive to students, future employers and graduate schools. USCB freshman Biology enrollment in fall 2019 was 136 students. At least 10 students are projected in the first year of Marine Biology concentration and modest changes in fall and spring enrollments. These take into account decreases (melt) between fall and spring semesters (here estimated as 80% retention) and a combination of melt and graduation to reduce the returning upper class students in the following year (75% retention; 25% loss through graduation or transfer). The above enrollment projection for this concentration area is achievable.

It is expected that the initial students selecting this concentration will arise from applicants to our existing Biology program, in part, creating little to no increase in overall freshman-year enrollment for Biology majors. However, an increase of applications of full time freshmen and transfer students to join the concentration each year is expected as the program matures past its early years through a planned new marketing campaign.

Curriculum

Attach a curriculum sheet identifying the courses required for the concentration – see last page

Curriculum Changes

Courses Eliminated from Program	Courses Added to Program	Core Courses Modified
none	BIOL B450 Biological Oceanography and lab (required)	BIOL B460 Gen Physiology (past requirement)
	BIOL B490 Marine Policy (required)	
	BIOL B401 Marine Internship (required)	
	PHYS B202/B202L or B212/B212L Physics II with lab (existing course but not currently required of Biology majors)	

New Courses

List and provide course descriptions for new courses.

Many of the current Biology curriculum courses contain significant marine-centered content, given our local geography and student interests, even in the Biology degree program. Several of these courses will co-list as acceptable elective upper-level credits.

New REQUIRED courses for the Marine Biology concentration:

BIOL B450 (w/ Lab) Biological Oceanography 4 credit hours REQ
Capstone course for the Marine Biology degree program integrating physical and biological processes in the marine biosphere. Pre-req: "C" or better in two of the three BIOL B300-level courses.

BIOL B490 Marine Policy 3 credit hours REQ
Overview on political and social perspectives on maritime laws and conservation issues affecting the world's oceans. Pre-req: "C" or better in two of the three BIOL B300-level courses.

BIOL B401 Marine Internship 0 credit hours REQ
Required paid or unpaid internship for gaining professional experience in marine biology. Pre-req: "C" or better in two of the three BIOL B300-level courses. Participation is a requirement. The course will be completed only with a satisfactory review by supervisor. We do not plan to ask students to pay a credit hour charge to complete a practical experience

Currently existing REQUIRED courses for the Marine Biology concentration:

BIOL B475 & B475L Marine Ecology (w/ Lab) 4 credit hours

PHYS B202 or B212 (either w/ Lab) Physics II (w/ Lab) 4 credit hours

Total required courses 15 credit hours

Eight elective upper-level biology courses are required to complete the Biology degree. Marine Biology concentration students will be advised to choose from the following list of pre-existing biology electives with a marine focus.

BIOL B399	Independent study	1-3 credits
BIOL B431	Ichthyology	3 credits
BIOL B431L	Ichthyology Laboratory	1 credit
BIOL B411	Biology of Marine Organisms	3 credits

ACAP
06/09/2020
Agenda Item 3j

BIOL	B411L	Biology of Marine Organisms Laboratory	1 credit
BIOL	B410	Invertebrate Zoology	3 credits
BIOL	B410L	Invertebrate Zoology Laboratory	1 credit
BIOL	B448	Life and Death in the Salt Marsh	4 credits
BIOL	B471	Conservation Biology	3 credits
BIOL	B471L	Conservation Biology Laboratory	1 credit
BIOL	B499	Topics in Biology (marine emphasis)	1-3 credits

Similar Programs in South Carolina offered by Public and Independent Institutions

Identify the similar programs offered and describe the similarities and differences for each program.

Program Name and Designation	Total Credit Hours	Institution	Similarities	Differences
Marine Biology	122	College of Charleston	Core emphasis on biology of Marine organisms. Similar biology course electives which are broadly similar to all biology programs nationwide	Only one semester of Physics required, no required course in Marine policy
Marine Science	128	UofSC Columbia	Similar biology course electives which are broadly similar to all biology programs nationwide	Emphasis on chemical and physical attributes of the sea; no required course in Marine Policy, no required organic chemistry
Marine Science	120	Coastal Carolina University	Similar biology course electives which are broadly similar to all biology programs nationwide	Emphasis on chemical and physical attributes of the sea; no required course in Marine Policy, no required organic chemistry

Faculty

Discuss the Faculty, Staff, and Administrative Personnel needs of the program.

There will be additional staffing costs associated with new lab offerings located at the Historic Beaufort Campus and for simulcast lecture courses (Hilton Head Gateway campus and Historic Beaufort campus simulcast rooms). One new faculty was added in 2019/2020 with a teaching/research emphasis in Biological Oceanography. The Department is currently advertising for a new tenure-track position with a specialty in engaging students in Marine Biology research. That search is expected to be completed in Spring 2020 with a Fall 2020 start date. The Department will seek a tenure-track line to help oversee and increase the diversity of offerings across the new Marine Biology concentration, as well as pre-existing concentrations and major-course offerings. Also needed will be additional temporary teaching support (adjuncts) to cover newer duplicate offerings on the Hilton Head Gateway/Historic Beaufort campuses that are not offered presently.

With a high course overlap with the Biology major, no additional administrative support positions are needed. The program will be coordinated by one of the five (six with new hire) qualified tenure track faculty (TBD) teaching with marine emphasis. Additional sections of currently offered courses on the Historic Beaufort Campus will be required.

Resources

Identify new library, instructional equipment and facilities needed to support the modified program.

Library Resources: USCB offers a rich array of resources, including 92,000+ books on campus, over 410,000 E-books, and more than 200 databases providing access to online journals in all discipline areas. Also through comprehensive interlibrary loan services and delivery systems through regional consortia, USCB faculty and students have access to rich resources available nationwide. In SC alone, by being a member of PASCAL, over 9 million books and other academic materials are easily accessible. USCB also is a member of KUDZU, a group of 17 southeastern university research libraries that shares resources among its members. Specifically relating to the proposed degree track, there are 2,157 Marine Biology monographs available through PASCAL, 272 of which are located at USCB. In addition, USCB provides full-text access (either online, in print or both) to 75% of the professional journals recommended in Marine Biology by Magazines for Libraries (26th ed.). Based on faculty recommendations and librarian evaluations, library collection development will be ongoing in support of the degree program.

Equipment: The physical resources needed for the new program are more than sufficient on both campuses. All lecture rooms and all laboratories are equipped with computers, document cameras, projection screens and white boards (and dimmable lights on HHB), so no major modifications are needed. The Department has a fleet of three boats and two tow/support vehicles, which provides access to local waterways. USCB already offers a B.S. in Biology and a B.S. in Secondary Teacher Education Biology, at the Hilton Head Gateway campus. However, the labs on the Historic Beaufort campus will need to be outfitted with additional equipment/supplies for newly offered upper level lecture and lab courses in the marine biology curriculum (including second-semester Organic Chemistry laboratory, both Physics Laboratories, and BIOL B301 Laboratory).

Facilities: The physical resources needed for the new program are sufficient on the Historic Beaufort campus. All lecture rooms and all laboratories are equipped with computers, document cameras, projection screens and white boards (and dimmable lights, and efforts are being made to update the Institution's capacity to simulcast lectures at both campuses. USCB recently remodeled one science lab on the Historic Beaufort campus and has plans to renovate the second lab (in the Marine Science Building) to increase lab capacity for the new concentration.

Impact on Existing Programs

Will the proposed program impact existing degree programs or services at the institution (e.g., course offerings or enrollment)? If yes, explain

Yes

No

Financial Support

Estimated Sources of Financing for the New Costs						
Category	1st	2nd	3rd	4th	5th	Total
Tuition Funding	\$20,688	\$82,752	\$159,810	\$274,350	\$350,424	\$888,024
Program-Specific Fees	0	0	0	0	0	0
Special State Appropriation	0	0	0	0	0	0
Reallocation of Existing Funds	\$103,440	\$196,536	\$266,350	\$274,350	\$327,816	\$1,168,492
Federal, Grant, or Other Funding	\$87,246	\$58,164	\$29,082	0	0	\$174,492
Total	\$211,374	\$337,452	\$455,242	\$548,700	\$678,240	\$2,231,008
Estimated New Costs by Year						
Category	1st	2nd	3rd	4th	5th	Total
Program Administration and Faculty and Staff Salaries	\$89,846	\$95,046	\$104,796	\$119,096	\$136,646	\$545,432
Facilities, Equipment, Supplies, and Materials	\$8,000	\$6,000	\$3,000	\$3,000	\$3,000	\$23,000
Library Resources	0	0	0	0	0	0
Other (specify)	0	0	0	0	0	0
Total	\$97,846	\$101,046	\$107,796	\$122,096	\$139,646	\$568,432
Net Total (i.e., Sources of Financing Minus Estimated New Costs)	\$113,528	\$236,406	\$347,446	\$426,604	\$538,594	\$1,662,576

Budget Justification

Provide a brief explanation for all new costs and sources of financing identified in the Financial Support table.

“Salary costs” are for the cost of a new hire of a tenure-track faculty in Marine Biology and to fund a number of adjunct positions that we will require over the first five years with projected growth in the program.

The “equipment/materials/supplies” is the phasing in of lab equipment over the course of five years, with a \$2000 supply budget per year included.

“Tuition funding” is based on predicted growth of newly recruited students in the concentration over the first five years, whereas “Reallocation of Existing Funds” derives from the adoption by existing Biology degree majors of the new Marine Biology concentration.

Other funding comes from a private donor to assist with the new faculty hire for fall 2020.

Evaluation and Assessment

Program Objectives	Student Learning Outcomes Aligned to Program Objectives	Methods of Assessment
Provide students with a diverse knowledge in the biological sciences and significant exposure to the physical sciences.	Possess an understanding of all biological systems at the molecular, physiological, organismal, and ecological levels.	Project or final cumulative grade in each of the core 300-level courses (BIOL B301, B302, and B303)
Provide students with a background of research and application that will help them to understand and apply this knowledge in marine systems in implementing policy or in research.	Demonstrate critical thinking skills, analytical techniques, and problem-solving skills applied to biological problems.	Project performance in BIOL B301 course; Take home exam in BIOL B303
	Possess a knowledge of classical research leading to the fundamental concepts and principles that serve as the foundation for biological inquiry.	Performance in capstone project/assignment for Marine Biology Concentration (BIOL B450)
Provide students with the opportunity to understand themselves and their world from a scientific perspective.	Apply the scientific method to expand scientific knowledge and understanding.	Developing experimental design in project performance in BIOL B301 Projects/assignment performance in BIOL B301, B450, B448 and B490
	Read/apply primary literature to concentration focus	Developing experimental design in project performance in BIOL B301 Projects/assignment performance in BIOL B301, B450, B448 and B490
Introduce students to current issues in marine policy to prepare them to obtain specific internships and later positions in government agencies or in marine graduate programs.	Demonstrate practical application of research and understanding of marine policy issues and their implementation	--Required capstone course in Biological Oceanography (BIOL B450) --Required capstone course in Marine Policy (BIOL B490) with course project to examine regional, state, or national needs to meet or propose new policy in the area of marine research and/or conservation programs. --Embedded term assignment on marine policy issue --Required internship in marine research or policy for practical experience in the scientific/policy field. Outside evaluation of intern by mentor
Educate students on the special abiotic and biotic differences between the terrestrial/marine realm and that of the estuarine/marine environment	Understand fundamental differences of physical, biological and ecological processes between marine and terrestrial systems	Final exam question performance focused on this in B301 and B450.

Will the proposed modification impact the way the program is evaluated and assessed?

- Yes
 No

Will the proposed modification affect or result in program-specific accreditation?

- Yes
 No

Will the proposed modification affect or lead to licensure or certification?

- Yes
 No

If the program is an Educator Preparation Program, does the proposed certification area require national recognition from a Specialized Professional Association (SPA)?

- Yes
 No

Curriculum by Year					
Courses in Blue are Required for the Concentration (15 Credit Hours)					
Course Name	Credits	Course Name	Credits	Course Name	Credits
Year 1					
Fall		Spring		Summer	
ENGL B101 English Composition	3	ENGL B102 Engl. Comp & Lit	3		
MATH B111 or B115 Algebra or Precalculus	3(4)	MATH B115 or B141 Precalculus or Calculus I*	4		
BIOL B101 Biological Principles I	4	BIOL B102 Biol. Principles II	4		
PSYC B101 Psychology	3	CHEM B111 Gen. Chemistry I	4		
BIOL B290 Biology or B100 Honors Seminar	1				
Total Semester Hours	14 +	Total Semester Hours	15		
Year 2					
Fall		Spring		Summer	
BIOL B301 Ecology & Evolution (w/Lab) or BIOL B303 Fundamental Genetics	4 3	BIOL B302/302L Cell & Molecular Biology with Lab.	4	BIOL B401 Internship (1 required)	0
CHEM B112 General Chemistry II	4	CHEM B333 Organic Chemistry I (w/Lab)	3(1)		
MATH B141 or B142 Calculus I or II*	4	MATH B142 Calculus II* or GE/Elective	4(3)		
GE/Elective or Foreign Language	3	Foreign Language	3		
Total Semester Hours	17	Total Semester Hours	14+	Hours	0
Year 3					
Fall		Spring		Summer	
BIOL B301 Ecology & Evolution (w/Lab) or BIOL B303 Fundamental Genetics	4 3	BIOL B475/B475L Marine Ecology (w/Lab) (required)	4	BIOL B401 Internship (1 required)	0
CHEM B333 Organic Chem. I	3	BIOL B399+ Marine Biology Elective (w/Lab)	3(4)	BIOL B448 (Maymester elective)	4
CHEM B331L Organic Chem. I Lab	1	STAT B201 Elementary Stats	3		
PHYS B2X1† Physics I	3	PHYS B2X2† Physics II (required)	3		
PHYS B2X1L† Physics I Lab	1	PHYS B2X2L† Physics II Lab (req'd)	1		
GE/Electives	6	GE/Elective ²	3		
Total Semester Hours	14+	Total Semester Hours	14+	Hours	0
Year 4					
Fall		Spring		Summer	
BIOL B490 Marine Policy (required)	3	BIOL 450 Biol. Oceanography (req'd)	3		
BIOL B399+ Marine Biology Elective (w/ Lab)	3(4)	BIOL 450L Biol. Ocean. Lab (req'd)	1		
BIOL B399+ Marine Biology Elective (w/ Lab)	3(4)	GE/Elective	3		
GE/Elective	3	GE/Elective	3		
GE/Elective	3	GE/Elective	3		
Total Semester Hours	15+	Total Semester Hours	14	Hours	0

*Math requirements to satisfy degree; either: MATH B141/B142, MATH B141/B170, MATH B141/B172, MATH B122/B170, or MATH B122/B172

ACAP

06/09/2020

Agenda Item 3j

† Either PHYS B201/201L and B202/202L **OR** PHYS B211/211L and B212/212L are acceptable.



Al M. Panu, Ph.D.
Chancellor

April 24, 2020

President Robert Caslen
Osborne Administration Building, Suite 206
University of South Carolina
Columbia, SC 29208

Dear President Caslen:

Enclosed is a Program Modification form to add a new concentration in Marine Biology to the existing B.S. in Biology degree program at the University of South Carolina Beaufort (USCB) to start in Fall 2020. The goal of the program is to develop environmental expertise in best practices and management of the coastal zone to better provide services to the society.

The concentration is central to USCB's mission "to respond to regional needs", and is designed to train students to research, understand and advise on the critical forces that impact the coastal and marine environment, "and prepare(s) graduates to contribute" to various science and industry fields "locally, nationally, and internationally." The program will "draw students from the South Carolina Lowcountry, from around the country, and from around the world." It will increase the success of the current B.S. in Biology degree and "serve a racially and culturally diverse student body, including military personnel, veterans and their dependents."

We ask that the Board of Trustees honor our request to approve the new concentration in Marine Biology. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink that reads "Al M. Panu". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Al M. Panu, Ph.D.
Chancellor

cc: Eric Skipper, Ph.D., Provost & Executive Vice Chancellor for Academic Affairs
Martha A. Moriarty Ph. D., Associate Vice Chancellor for Academic Affairs
Joseph L. Staton, Ph.D., Dean of the School of Science & Mathematics
Trena Houpp, Ph.D., Interim Director, Office of Academic Programs

Enclosure: SC CHE Program Modification Form