

**Request for Authorization to Establish a  
Bachelor of Science in Software Engineering  
(BS, CIP 14.0903) at  
East Carolina University**

**I. Program Highlights**

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- The proposed BS in Software Engineering degree program will prepare graduates for employment in a software-engineering field or graduate study. Students will fulfill ABET educational objectives to demonstrate technical and professional leadership, become global collaborators, and adapt to an ever-changing field.
- The proposed degree program will be delivered on-campus.
- The proposed degree program will require 120 credit hours for completion, which includes 40 general education courses and a core of 13 required and five elective Software Engineering courses.
- Twenty-five full-time students and five part-time students are projected in the first year. One hundred full-time students and 20 part-time students are projected by the fourth year.
- Two full-time faculty positions and a full-time administrative assistant position are requested for the proposed degree program. The curriculum will require 13 new courses, which need to be offered at least once a year. This teaching load will be shared between the two new faculty members and an adjunct faculty member.
- Enrollment increase funds will be sought to support the proposed degree program. This will fund two faculty lines and one administrative assistant. If the enrollment funds are not allotted, ECU will fund the positions through internal resources.
- The Board of Governors recently approved a request from ECU's College of Engineering and Technology (CET) to levy an enhancement fee of \$150 per semester for full-time students in the college. This will apply to all the degree programs in the college at both undergraduate and graduate levels.
- The resources of the ECU Joyner Library are adequate to support the proposed BS in Software Engineering. Shared digital resources, including approximately 90,000 e-journals, relevant databases, and e-books will support student learning. In addition, the library provides access to Lynda.com through ITCS's subscription.
- The proposed BS in Software Engineering will need classroom space furnished with instructional technology equipment for collaborative learning. ECU will allocate a 1600-square foot classroom/library space for the proposed degree program. The space will be shared with another proposed degree program: M.S. in Data Science. When classes are not held in the space, it will be used by students to work on course and capstone projects and research.

**II. BOG Academic Program Planning Criteria (UNC Policy 400.1)**

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1. **Existing Programs (Number, Location, Mode of Delivery).** Although eight institutions in the UNC System offer programs related to technology and engineering, only ECU offers a software engineering program at the master's degree level. There are no bachelor's degree programs in software engineering in the UNC System.

- 2. Relation to Campus Distinctiveness and Mission.** The proposed degree program aligns with the UNC Strategic Plan, expanding opportunities for student success and preparing a workforce to meet the needs of software-driven industry in North Carolina and beyond. It supports the ECU mission and is directly aligned with the ECU College of Engineering and Technology (CET) strategic plan, which centers on three commitments: maximizing student success, serving the public, and leading regional transformation.
- 3. Demand (local, regional, state).** According to ncworks.gov data, 426 jobs were advertised in North Carolina for software developers in the systems software category in October 2016. In addition, 1,001 jobs were advertised in North Carolina for software developers in the applications category. This is a growing field and currently the supply is medium but the demand is high. The median annual wage for software developers was \$100,690 in May 2015.
- 4. Potential for Unnecessary Duplication.** Even though other institutions offer degrees that provide some of the same skills, no other institution focuses specifically on software engineering. ECU already offers a successful master's degree in software engineering (MSSE). However, this program targets those who already have bachelor's degrees in a non-computing field. The proposed BS in Software Engineering program will leverage the existing software engineering infrastructure and provide a direct route to the software engineering job market.
- 5. Employment Opportunities for Graduates.** According to the U.S. Bureau of Labor Statistics (BLS), employment of software developers is projected to grow 17 percent from 2014 to 2024, much faster than the average for all occupations. The main reason for the rapid growth is a large increase in demand for computer software. The BLS estimates that 76 percent of all new jobs in STEM disciplines come from the computing disciplines, and 31 percent of all new jobs in computing are in software development.
- 6. Faculty Quality and Number.** Two full-time faculty positions and a full-time administrative assistant position are requested for the proposed degree program. The curriculum will require 13 new courses, which need to be offered at least once a year. This teaching load will be shared between the two new faculty members and an adjunct faculty member.
- 7. Availability of Campus Resources (library, space, etc.)** The resources of the ECU Joyner Library are adequate to support the proposed BS in Software Engineering. Shared digital resources, including approximately 90,000 e-journals, relevant databases, and e-books will support student learning. In addition, the library provides access to Lynda.com through ITCS's subscription.

The proposed BS in Software Engineering will need classroom space furnished with instructional technology equipment for collaborative learning. ECU will allocate a 1600-square foot classroom/library space for the proposed degree program. The space will be shared with another proposed degree program: MS in Data Science. When classes are not held in the space, it will be used by students to work on course and capstone projects and research.

- 8. Relevant Lower-level and Cognate Programs.** The proposed BS in Software Engineering degree program depends on three cognate programs at ECU: mathematics, sciences (biology, physics, or chemistry), and general education. Students will take two courses in mathematics, 12 semester hours of sciences, and 40 semester hours of general education courses.

- 9. Impact on Access and Affordability.** Enrollment increase funds will be sought to support the proposed degree program. This will fund two faculty lines and one administrative assistant. If the enrollment funds are not allotted, ECU will fund the positions through internal resources.

The Board of Governors recently approved a request from ECU's College of Engineering and Technology (CET) to levy an enhancement fee of \$150 per semester for full-time students in the college. This will apply to all the degree programs in the college at both undergraduate and graduate levels.

Tuition rates for undergraduate students at ECU are as follows:

ECU In-State Undergraduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-5 Hours	\$556.50	\$672.75	\$1,229.25
6-8 Hours	\$1,113.00	\$1,345.50	\$2,458.50
9-11 Hours	\$1,669.50	\$1,345.50	\$3,015.00
12+ Hours	\$2,226.00	\$1,345.50	\$3,571.50

ECU Out-of-State Undergraduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-5 Hours	\$2,591.13	\$672.75	\$3,263.88
6-8 Hours	\$5,182.25	\$1,345.50	\$6,527.75
9-11 Hours	\$7,773.38	\$1,345.50	\$9,118.88
12+ Hours	\$10,364.50	\$1,345.50	\$11,710.00

- 10. Expected Quality.** The measures used to evaluate the proposed degree program will include quality of applicants and admission rates, average time to degree completion, proportion of students who successfully complete the program, proportion of students who receive job offers prior to graduation, proportion of students who receive job offers within 90 days of graduation, ratings from alumni surveys, feedback from employers about the quality of program graduates, and student acquisition of program learning outcomes.

- 11. Feasibility of Collaborative Program.** North Carolina State University offers a Master of Computer Science degree with two tracks: Data Science and Software Engineering. Courses in these programs are at the graduate level. Therefore, no opportunities exist for collaboration with the proposed degree program, which is designed for the undergraduate level. ECU is actively engaging the Pitt Community College administration and faculty in the design of the proposed BS in Software Engineering degree program. The goal is to develop articulation agreements for both institutions. This can provide a model for future articulation agreements with other colleges in the North Carolina Community College System.

- 12. Other Considerations.** None.

**III. Summary of Review Processes**

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**Campus Review Process and Feedback.** The proposal was reviewed by the ECU faculty, department and university curriculum committees, provost, and chancellor. Approval was obtained at all levels.

**UNC System Office Review Process and Feedback.** Throughout the review process, ECU provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the requests and did not request further information.

**IV. Recommendation**

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It is recommended that the Board of Governors approve ECU's request to establish a Bachelor of Science in Software Engineering degree program (CIP 14.0903) to enroll students starting fall 2018.

**Request for Authorization to Establish a  
Master of Science in Data Science  
(MS, CIP 11.0701) at  
East Carolina University**

**I. Program Highlights**

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- The proposed MS in Data Science degree program will prepare students who have an academic background in computing and others with backgrounds in quantitative disciplines such as mathematics, physics, chemistry, engineering, and epidemiology, to meet the rapidly growing need for data scientists in North Carolina and beyond. Graduates will have the requisite training, tools, and current industry practices to work in a range of data science related jobs. They will have knowledge of the critical role played by data science-driven software systems and their impact in a global, economic, healthcare, and societal context.
- The proposed degree program will be delivered on-campus and online in a hybrid delivery mode.
- The proposed degree program will require 30 semester hours, taken during four regular semesters of full-time study. Features of the proposed degree program include strong industry involvement, along with theory and practice contextualized within the medical and healthcare domains. An industry advisory board will be constituted for the proposed degree program.
- Twenty full-time students are projected in the first year. Sixty full-time students are projected by the fourth year.
- Two full-time faculty positions, a full-time administrative assistant position and stipends and tuition remission for graduate students are requested through enrollment increase funds.
- The Board of Governors recently approved a request from ECU's College of Engineering and Technology (CET) to levy an enhancement fee of \$150 per semester for full-time students in the college. This will apply to all the degree programs in the college at both undergraduate and graduate levels.
- The resources of the ECU Joyner Library are adequate to support the proposed MS in Data Science. Shared digital resources, including approximately 90,000 e-journals, relevant databases, and e-books will support student learning. In addition, both the Joyner Library and Laupus Health Sciences Library, which serves the Division of Health Sciences, will contribute resources focused on their constituencies.
- The proposed MS in Data Science will need classroom space furnished with instructional technology equipment for collaborative learning. ECU will allocate a 1600-square foot classroom/library space for the proposed degree program. The space will be shared with another proposed degree program: BS in Software Engineering. When classes are not held in the space, it will be used by students to work on course and capstone projects and research.

**II. BOG Academic Program Planning Criteria (UNC Policy 400.1)**

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1. **Existing Programs (Number, Location, Mode of Delivery).** Institutions in the UNC System that offer similar programs include: Appalachian State University, North Carolina State University, the University of North Carolina at Charlotte, and the University of North Carolina Wilmington.
2. **Relation to Campus Distinctiveness and Mission.** The proposed degree program aligns with the UNC Strategic Plan goals: increase access to success, provide all students with outstanding

academic and experiential learning opportunities, provide affordable education through efficient use of available resources, and enhance economic impact and community engagement through workforce development in high demand areas and research-enabled entrepreneurship. It supports the ECU mission and is directly aligned with the strategic plans of ECU College of Engineering and Technology (CET), Thomas Harriot College of Arts and Sciences, and College of Allied Health Sciences, which center on three commitments: maximizing student success, serving the public, and leading regional transformation.

3. **Demand (local, regional, state).** Numerous software-intensive industries in North Carolina depend on the availability of a highly-skilled workforce in data science. In November 2015, 310 data scientist jobs in the Raleigh area were posted on indeed.com, with a total of 526 in North Carolina. In the same month, glassdoor.com reported 510 Data Scientist jobs in Raleigh, and 931 total in North Carolina.

Other major North Carolina industries that need data scientists include agri-biotech (BASF, Bayer, and Syngenta), consulting (Accenture, Deloitte, PricewaterhouseCoopers, RTI International, and Trident Technologies), energy (Duke Energy Corporation), engineering (AECOM, Amec Foster Wheeler, and Terracon), federal government (Animal and Plant Health Inspection, and National Institutes of Health), finance (Aetna Inc., Bank of America, BB&T, Fidelity Investments, etc.), health (Becton Dickinson Blue Cross and Blue Shield, Carolina Healthcare System, Lab Corp of America, etc.), information technology (Cisco, Citrix, IBM, Lenova, Oracle, and Red Hat), pharmaceutical (Catalent, GlaxoSmithKline, Quintiles, and Teledyne), transportation (Norfolk Southern Railroad), and agriculture (R.J. Reynolds Tobacco and Reynolds American, Inc.).

4. **Potential for Unnecessary Duplication.** The proposed MS in Data Science at ECU is unique from the other data science programs in the UNC System. The proposed ECU degree program will have exclusive focus on healthcare and medical domains and will draw upon local resources: Vidant Health, the pharmaceutical industry, and ECU Medical School, Dental School, Nursing School, School of Public Health, and College of Allied Health Sciences.
5. **Employment Opportunities for Graduates.** According to the U.S. Bureau of Labor Statistics (BLS), employment in disciplines closely related to data science is projected to grow from 2014 to 2024 at a much faster rate than the average for all occupations. Positions in software development, which is closely related to data science, are projected to add 20,000 jobs per year through 2024.
6. **Faculty Quality and Number.** Two full-time faculty positions, a full-time administrative assistant position and stipends and tuition remission for graduate students are requested through enrollment increase funds.
7. **Availability of Campus Resources (library, space, etc.)** The resources of the ECU Joyner Library are adequate to support the proposed MS in Data Science. Shared digital resources, including approximately 90,000 e-journals, relevant databases, and e-books will support student learning. In addition, both the Joyner Library and Laupus Health Sciences Library, which serves the Division of Health Sciences, will contribute resources focused on their constituencies.

The proposed MS in Data Science will need classroom space furnished with instructional technology equipment for collaborative learning. ECU will allocate a 1600-square foot

classroom/library space for the proposed degree program. The space will be shared with another proposed degree program: BS in Software Engineering. When classes are not held in the space, it will be used by students to work on course and capstone projects and research.

8. **Relevant Lower-level and Cognate Programs.** The proposed MS in Data Science degree program will not solely depend on any lower-level and cognate programs at ECU. In addition to ECU graduates, the proposed degree program will recruit students locally, regionally, and internationally. It will be of interest to a broad range of students with undergraduate degrees in computer science, software engineering, information technology, and traditional branches of engineering, mathematics, physics, chemistry, and economics.
9. **Impact on Access and Affordability.** Enrollment increase funds will be sought to support the proposed degree program. While significant income is expected through research grants and contracts to cover the purchase and maintenance of specialized computing infrastructure and labs, the enrollment increase funds can support two faculty lines, one administrative assistant, and graduate student stipends and tuition remissions. If enrollment increase funds are not granted, ECU will fund the positions through internal resources.

The Board of Governors recently approved a request from ECU’s College of Engineering and Technology (CET) to levy an enhancement fee of \$150 per semester for full-time students in the college. This will apply to all the degree programs in the college at both undergraduate and graduate levels.

Tuition rates for graduate students at ECU are as follows:

ECU In-State Graduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-2 Hours	\$593.63	\$672.75	\$1,266.38
3-4 Hours	\$1,187.25	\$672.75	\$1,860.00
5 Hours	\$1,187.25	\$1,345.50	\$2,532.75
6-8 Hours	\$1,780.88	\$1,345.50	\$3,126.38
9 Hours	\$2,374.50	\$1,345.50	\$3,720.00

ECU Out-of-State Graduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-2 Hours	\$2,237.25	\$672.75	\$2,910.00
3-4 Hours	\$4,474.50	\$672.75	\$5,147.25
5 Hours	\$4,474.50	\$1,345.50	\$5,820.00
6-8 Hours	\$6,711.75	\$1,345.50	\$8,057.25
9 Hours	\$8,949.00	\$1,345.50	\$10,294.50

10. **Expected Quality.** The measures used to evaluate the proposed degree program will include quality of applicants and admission rates, average time to degree completion, proportion of students who successfully complete the program, proportion of students who receive job offers

prior to graduation, proportion of students who receive job offers within 90 days of graduation, ratings from alumni surveys, feedback from employers about the quality of program graduates, and student acquisition of program learning outcomes.

**11. Feasibility of Collaborative Program.** The University of North Carolina at Charlotte has a data science program targeting full-time working professionals in the Charlotte area in addition to traditional, full-time students. At this point, it appears there is limited opportunity for collaboration with UNC Charlotte given the differences in the program focus areas. However, research collaboration in data science is an immediate possibility. This topic was discussed with UNC Charlotte Data Science Initiative administrators during ECU's visit to the campus in October 2016.

**12. Other Considerations.** None.

### III. Summary of Review Processes

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**Campus Review Process and Feedback.** The proposal was reviewed by the ECU faculty, department and university curriculum committees, provost, and chancellor. Approval was obtained at all levels.

**UNC System Office Review Process and Feedback.** Throughout the review process, ECU provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the requests and did not request further information.

### IV. Recommendation

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It is recommended that the Board of Governors approve ECU's request to establish a Master of Science in Data Science degree program (CIP 11.0701) to enroll students starting fall 2018.

**Request for Authorization to Establish a  
Master of Science in Mechanical Engineering  
(MS, CIP 14.1901) at  
East Carolina University**

**I. Program Highlights**

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- The proposed MS in Mechanical Engineering degree program will produce graduates with advanced skills to serve state and regional industries, government agencies, and national and international industries. Graduates will be able to work professionally in mechanical-related industries, research, and laboratory operations. They will also be prepared to succeed in advanced terminal degree programs in fields such as engineering, science, medicine, and dentistry.
- The proposed degree program will be delivered on-campus.
- The proposed degree program will require 32 semester hours of coursework and thesis. Approximately 14 semester hours will be completed in the Department of Engineering, with an additional six semester hours of thesis credit and additional courses from the Departments of Mathematics, Physics, Biology, Biostatistics, and other supporting disciplines.
- Eight full-time students and two part-time students are projected in the first year. Twenty full-time students and five part-time students are projected by the fourth year.
- Faculty resources are sufficient for the initiation of the proposed degree program. In year two, a 0.5 FTE faculty position will be requested. This position will be a joint hire with the ECU School of Dental Medicine. In addition, a 1.0 FTE faculty position will be requested in year three.
- No differential tuition or program-specific fees are requested.
- The resources of the ECU Joyner Library and William E. Laupus Health Sciences Library are adequate for commencement of the proposed MS in Mechanical Engineering. To support the proposed degree program, one requested area of improvement is to guarantee students uninterrupted access to the American Society of Mechanical Engineering's digital journal collection. Currently, the subscription is not part of the regular library budget.
- Existing classroom and laboratory facilities are adequate for the proposed MS in Mechanical Engineering.

**II. BOG Academic Program Planning Criteria (UNC Policy 400.1)**

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1. **Existing Programs (Number, Location, Mode of Delivery).** Three UNC System institutions offer graduate programs in mechanical engineering, including: North Carolina Agricultural and Technical State University, North Carolina State University, and the University of North Carolina at Charlotte. One private institution, Duke University, offers a graduate program in mechanical engineering.
2. **Relation to Campus Distinctiveness and Mission.** The proposed degree program aligns with key components of the ECU mission statement: to be a national model for student success, public service, and regional transformation. It supports the institutional mission to prepare students with the knowledge, skills, and values to succeed. The proposed degree program will leverage the unique opportunities for partnership with the ECU School of Dental Medicine, the Brody School of Medicine, the College of Nursing, the College of Allied Health Sciences, the College of Arts and

Sciences, the College of Health and Human Performance, the ECU Center for Sustainability, the NC Agromedicine Institute, and regional and local industry.

3. **Demand (local, regional, state).** Labor market analysis from ncworks.gov shows that graduates of mechanical engineering can work as material engineers and energy engineers. The 2014 median annual estimated wage was \$85,840 and \$92,730 for mechanical engineers in the materials and energy areas respectively.
4. **Potential for Unnecessary Duplication.** ECU is the only university within the UNC System that offers academic programs in engineering, medicine, dentistry, nursing and allied health on one campus. The proposed degree program will take advantage of the unique proximity and combined strengths of the Department of Engineering, School of Dental Medicine, Brody School of Medicine, College of Allied Health Sciences, College of Nursing, Thomas Harriot College of Arts and Sciences, Institute of Coastal Science and Policy, and the Center for Sustainability.
5. **Employment Opportunities for Graduates.** According to the U.S. Bureau of Labor Statistics (BLS), employment growth for mechanical engineering will increase by 5.3 percent over the next 10 years, illustrating an increasing demand for graduates in this field.
6. **Faculty Quality and Number.** Faculty resources are sufficient for the initiation of the proposed degree program. In year two, a 0.5 FTE faculty position will be requested. This position will be a joint hire with the ECU School of Dental Medicine. In addition, a 1.0 FTE faculty position will be requested in year three.

The proposed degree program will require a half-time SPA support person (\$18,000) who will provide support for graduate admissions, assistantships and other related duties associated with the graduate program. The Department of Engineering is requesting three graduate assistantships in year one (\$15,000 per student, total \$45,000/year) with an increase to five graduate assistantships in years two, three, and four (\$15,000 x 5 students, total = \$75,000/year). It is expected that engineering faculty will produce at least \$300,000/year of external funding, which is the average that engineering faculty have generated as lead investigators over the past five years.

7. **Availability of Campus Resources (library, space, etc.)** The resources of the ECU Joyner Library and William E. Laupus Health Sciences Library are adequate for commencement of the proposed MS in Mechanical Engineering. To support the proposed degree program, one requested area of improvement is to guarantee students uninterrupted access to the American Society of Mechanical Engineering's digital journal collection. Currently, the subscription is not part of the regular library budget.

The proposed MS in Mechanical Engineering is an interdisciplinary program, and it is anticipated that students will be involved in courses and research projects located in the Department of Engineering, Brody School of Medicine, School of Dental Medicine, College of Allied Health Sciences, Thomas Harriot College of Arts and Sciences, College of Nursing, and the College of Health and Human Performance. The program will be initiated with 10 students in the first year,

growing to 25 by the third year. The impact of additional students should be minimal and easily accommodated in didactic classes and integrated into existing laboratory space.

- 8. Relevant Lower-level and Cognate Programs.** There has been a strong relationship between the Department of Engineering, which is planning the proposed degree program, and the School of Dental Medicine, the Brody School of Medicine, the Department of Physics, the Department of Biology, and the Department of Chemistry. Faculty from the above-mentioned schools and departments have participated as mentors for engineering students' projects.
- 9. Impact on Access and Affordability.** No differential tuition or program-specific fees are requested.

Tuition rates for graduate students at ECU are as follows:

ECU In-State Graduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-2 Hours	\$593.63	\$672.75	\$1,266.38
3-4 Hours	\$1,187.25	\$672.75	\$1,860.00
5 Hours	\$1,187.25	\$1,345.50	\$2,532.75
6-8 Hours	\$1,780.88	\$1,345.50	\$3,126.38
9 Hours	\$2,374.50	\$1,345.50	\$3,720.00

ECU Out-of-State Graduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-2 Hours	\$2,237.25	\$672.75	\$2,910.00
3-4 Hours	\$4,474.50	\$672.75	\$5,147.25
5 Hours	\$4,474.50	\$1,345.50	\$5,820.00
6-8 Hours	\$6,711.75	\$1,345.50	\$8,057.25
9 Hours	\$8,949.00	\$1,345.50	\$10,294.50

- 10. Expected Quality.** The measures used to evaluate the proposed degree program will include student proficiency in program learning outcomes, enrollments, degrees awarded, placement of graduates, and publications and presentations by students.
- 11. Feasibility of Collaborative Program.** Opportunities exist for collaboration with other UNC System institutions. ECU graduates from the proposed degree program would be eligible for the Ph.D. program in Mechanical Engineering at North Carolina A&T State University, NC State University, or UNC Charlotte. In addition, graduate distance course offerings from NC State University may be made available to ECU graduate students.
- 12. Other Considerations.** None.

### III. Summary of Review Processes

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**Campus Review Process and Feedback.** The proposal was reviewed by the ECU faculty, department and university curriculum committees, provost, and chancellor. Approval was obtained at all levels.

**UNC System Office Review Process and Feedback.** Throughout the review process, ECU provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the requests and did not request further information.

### IV. Recommendation

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It is recommended that the Board of Governors approve ECU's request to establish a Master of Science in Mechanical Engineering degree program (CIP 14.1901) to enroll students starting fall 2018.

**Request for Authorization to Establish a  
Joint Doctor of Philosophy in Social Work  
(Ph.D., CIP 44.0701) at  
University of North Carolina at Greensboro  
And  
North Carolina Agricultural and Technical State University**

**I. Program Highlights**

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- The mission of the proposed Ph.D. degree program, offered by North Carolina Agricultural and Technical State University and The University of North Carolina at Greensboro, is to prepare social workers for careers as multiculturally-responsive, community-engaged scholars and educators who are committed to social, economic, and environmental issues on the micro, mezzo, and macro levels of society. The proposed degree program is grounded in the historical partnership between the social work departments at two diverse universities and is informed by their recognition of and appreciation for diverse human strengths and resiliency-- a legacy of the social work profession.
- The proposed degree program will be delivered on-campus.
- The proposed degree program will require 48 credit hours, including 15 credit hours of required social work courses, six credit hours of additional research, 12 credit hours of electives, and 15 credit hours for the dissertation.
- Six full-time students and four part-time students are projected in the first year. Twenty-four full-time students and 16 part-time students are projected by the fourth year. The proposed degree program will admit a new cohort of six full-time students every three years. Part-time enrollment targets are at 10 new students annually. The curriculum has been designed to accommodate both full-time and part-time paths to completion.
- New faculty members will be required on both campuses (North Carolina A&T State University and UNC Greensboro) to launch the proposed degree program without weakening existing social work programs. In anticipation of program approval, UNC Greensboro made a strategic hire of two new faculty in social work; these faculty began their appointments fall 2017. North Carolina A&T State University has committed to a faculty line; the search commenced fall 2017, with the goal of having a new senior research faculty in place fall 2018. If the permission to establish the proposed Joint Ph.D. in Social Work at UNC Greensboro and North Carolina A&T State University is granted, UNC Greensboro will commit to search for another senior research faculty member to be in place fall 2019.
- Enrollment increase funding will be requested to sustain the proposed degree program. Faculty will apply for external grants to further support doctoral students in the proposed Ph.D. program.
- No differential tuition or fees are requested.
- The resources of the campus libraries are adequate to support the proposed degree program.
- The combination of office space, classroom space, meeting places, and technology are sufficient to achieve the mission and goals of the proposed degree program.

**II. BOG Academic Program Planning Criteria (UNC Policy 400.1)**

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1. **Existing Programs (Number, Location, Mode of Delivery).** The only other institution in the UNC System offering a Ph.D. in Social Work is the University of North Carolina at Chapel Hill. It prepares

graduates for research intensive institutions using a full-time model that is totally classroom-based. The UNC-Chapel Hill School of Social Work was involved in the initial proposal to plan the proposed degree program and remains supportive.

2. **Relation to Campus Distinctiveness and Mission.** The proposed joint Ph.D. degree program reflects the mission and strategic plans of UNC Greensboro, continuing the work of its dedication: “As a doctorate-granting institution, UNC Greensboro is committed to teaching based in scholarship and advancing knowledge through research.” Additionally, two pillars (transformation in student skills and productivity and knowledge of health and wellness) of the 2016 Strategic Plan at UNC Greensboro, Healthy Lives and Vibrant Communities, resonate strongly with the proposed degree program.

The proposed joint Ph.D. degree program is consistent with North Carolina A&T State University’s mission as articulated in its strategic plan, Preeminence 2020: Embracing Our Past, Creating Our Future: “The university’s learner-centered community develops and preserves intellectual capital through interdisciplinary learning, discovery, and engagement, and is committed to fulfilling its fundamental purposes through exemplary undergraduate and graduate instruction, scholarly and creative research, and effective public service and engagement.”

3. **Demand (local, regional, state).** An EAB Burning Glass study was performed in summer 2016 and showed a 54 percent increase in employer demand for social work Ph.D. graduates. It also indicated 75 percent of the Ph.D. program graduates enter academia, which aligns well with the proposed degree program’s focus on teacher-scholar models.
4. **Potential for Unnecessary Duplication.** The proposed degree program is intended to complement, rather than compete with, the program at the UNC-Chapel Hill. Using a unique community collaboration model, the proposed Joint Ph.D. in Social Work program will produce scholar-educators – researchers, teachers, community practitioners, and leaders – for institutions focused on maintaining a balance of teaching with scholarship and community involvement.
5. **Employment Opportunities for Graduates.** According to the U.S. Bureau of Labor Statistics (BLS), employment of social workers is expected to increase by 19 percent from 2012 to 2022, which is faster than the average for all occupations. Employment growth will be driven by increased demand for health care and social services but will vary by specialty. Due to the increasing number of social work education programs that are seeking faculty, those attaining a doctoral degree in social work have experienced a favorable job market.
6. **Faculty Quality and Number.** New faculty members will be required on both campuses (North Carolina A&T State University and UNC Greensboro) to launch the proposed degree program without weakening existing social work programs. In anticipation of program approval, UNC Greensboro made a strategic hire of two new faculty in Social Work; these faculty began their appointments fall 2017. North Carolina A&T State University has committed to a faculty line; the search commenced fall 2017, with the goal of having a new senior research faculty in place fall 2018. If the permission to establish the proposed Joint Ph.D. in Social Work at UNC Greensboro and North Carolina A&T State University is granted, UNC Greensboro will commit to search for another senior research faculty member to be in place fall 2019.

## 7. Availability of Campus Resources (library, space, etc.)

**UNC Greensboro Jackson Library Services:** The UNC Greensboro library collections total more than 1.2 million printed books and federal and state documents. Additionally, the library holds a number of individually purchased e-books relevant to graduate-level study in social work. The current annual budget for the social work department is \$4,095, which is used to purchase both print and electronic books. In addition to electronic books, the university libraries provide access to more than 65,000 electronic journals and 512 article databases. Databases particularly strong in social work include Academic Search Complete, Social Work Abstracts, ProQuest Social Science Journals, SocIndex With Full Text and PsycINFO. The Department of Social Work has a dedicated library liaison who provides specialized support for faculty and for students at all levels. She works with students and faculty both in-person and virtually. Using the SpringShare LibGuides system, the social work liaison currently maintains one social work subject guide and seven course guides, all accessible at <http://uncg.libguides.com/swk>. Additional guides will be created to support the proposed Joint Ph.D. in Social Work degree program as necessary.

**North Carolina A&T State University Bluford Library Services:** Located on the main campus of North Carolina A&T State University, Bluford Library's total collection includes over 617,309 volumes of print books (742,667 total volumes), 396 current print serial subscriptions (468 including government documents), 152,130 electronic serial subscriptions, and 1,102,463 units of microforms and government documents. Ninety-eight of the electronic subscriptions are dedicated to social work. Print serials held by the library (both current and past) and dedicated to social work include 56 titles.

The North Carolina A&T State University Department of Social Work and Sociology has a dedicated library liaison, who provides specialized support for faculty and for students at all levels. She works with students and faculty both in-person and virtually. Using the SpringShare LibGuides system the social work liaison currently maintains one social work subject guide and other collateral guides to holistically support the academic mission, accessible at <http://libguides.library.ncat.edu>. Additional guides will be created to support the proposed Joint Ph.D. in Social Work degree program as necessary.

**Facilities:** The Department of Social Work at UNC Greensboro is located in the Stone Building. Classrooms and conference rooms are also available for student use in this building and other buildings on campus. The Department of Social Work and Sociology at North Carolina A&T State University is located in Gibbs Hall. Classrooms and conference rooms are available in this building and other buildings on campus. Each department has a separate departmental office suite that houses the chair and departmental administrative staff and that provides space for records and files, faculty mail boxes, and supplies.

The combination of office space, classroom space, meeting places, and technology are sufficient to achieve the mission and goals of the proposed degree program.

- 8. Relevant Lower-level and Cognate Programs.** The proposed Joint Ph.D. in Social Work degree program is intentionally designed to allow students to develop an individual area of emphasis through the 12 elective credits. There are numerous high-quality graduate certificate programs available that students may pursue concurrently with the proposed Ph.D. Examples of such

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include, but are not limited to: peace and conflict, sociology, public health, gerontology, qualitative research methods, educational leadership, and nutrition.

- 9. Impact on Access and Affordability.** To launch the program, the provosts for North Carolina A&T State University and UNC Greensboro have already allocated faculty lines from recent enrollment growth and pledged graduate student support in anticipation of the proposed degree program. As a Ph.D. program, new student credit hour generation will be minimal, but does create the need for enrollment increase funding to sustain the program. Faculty will apply for external grants to further support doctoral students in the proposed Ph.D. program.

No differential tuition or fees are requested.

Tuition rates for full-time graduate students at the participating institutions are as follows:

North Carolina A&T State University In-State Graduate Tuition and Fees				
Hours	Tuition	Fees	Insurance	Total
1-2 Hours	\$593.13	\$593.43	0	\$1,186.56
3-5 Hours	\$1,1186.25	\$893.34	0	\$2,079.59
6-7 Hours	\$1,779.38	\$1,193.26	\$1,270.00	\$4,242.64
8 Hours	\$1,779.38	\$1,493.16	\$1,270.00	\$4,542.54
9 Hours or more	\$2,372.50	\$1,493.16	\$1,270.00	\$5,135.66

North Carolina A&T State University Out-of-State Graduate Tuition and Fees				
Hours	Tuition	Fees	Insurance	Total
1-2 Hours	\$2,143.75	\$593.43	0	\$2,737.18
3-5 Hours	\$4,287.50	\$893.34	0	\$5,180.84
6-7 Hours	\$6,431.25	\$1,193.26	\$1,270.00	\$8,894.51
8 Hours	\$6,431.25	\$1,493.16	\$1,270.00	\$9,194.41
9 Hours or more	\$8,575.00	\$1,493.16	\$1,270.00	\$11,338.16

UNC Greensboro In-State Graduate Tuition and Fees			
Hours	Tuition	Fees	Total
1 Hour	\$652.38	\$111.13	\$763.51
2 Hours	\$652.38	\$111.13	\$763.51
3 Hours	\$1,304.75	\$321.40	\$1,626.15
4 Hours	\$1,304.75	\$426.51	\$1,731.26
5 Hours	\$1,304.75	\$531.63	\$1,836.38
6 Hours	\$1,957.13	\$636.75	\$2,593.88
7 Hours	\$1,957.13	\$741.88	\$2,699.01
8 Hours	\$1,957.13	\$846.99	\$2,804.12
9 Hours	\$2,609.50	\$1,098.65	\$3,708.15

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UNC Greensboro Out-of-State Graduate Tuition and Fees			
Hours	Tuition	Fees	Total
1 Hour	\$1,714.75	\$763.51	\$2,478.26
2 Hours	\$1,714.75	\$868.62	\$2,583.37
3 Hours	\$3,429.50	\$1,626.15	\$5,055.65
4 Hours	\$3,429.50	\$1,731.26	\$5,160.76
5 Hours	\$3,429.50	\$1,836.38	\$5,265.88
6 Hours	\$5,144.25	\$2,593.88	\$7,738.13
7 Hours	\$5,144.25	\$2,699.01	\$7,843.26
8 Hours	\$5,144.25	\$2,804.12	\$7,948.37
9 Hours	\$2,609.50	\$7,957.65	\$10,567.15

**10. Expected Quality.** The measures used to evaluate the proposed degree program will include enrollment, retention, graduation rates, instructional productivity, resource allocation, research fellowships, grants, contracts, and student acquisition of program learning outcomes. A self-study report will be conducted in addition to review by external consultants.

**11. Feasibility of Collaborative Program.** The proposed degree program is a joint program between North Carolina A&T State University and UNC Greensboro. Therefore, its very nature is collaborative.

**12. Other Considerations.** None.

**III. Summary of Review Processes**

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**Campus Review Process and Feedback.** The proposal was reviewed by the UNC Greensboro faculty, department and university curriculum committees, provost, and chancellor. Approval was obtained at all levels.

**UNC System Office Review Process and Feedback.** Throughout the review process, UNC Greensboro provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. External reviewers evaluated the requests and did not request further information.

**IV. Recommendation**

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It is recommended that the Board of Governors approve UNCG's request to establish a Joint Doctor of Philosophy in Social Work degree program (CIP 44.0701) to enroll students starting fall 2019.

**Request for Authorization to Establish a  
Bachelor of Science in Coastal Engineering  
(BS, CIP 14.9999) at  
University of North Carolina Wilmington**

**I. Program Highlights**

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- The proposed BS in Coastal Engineering degree program will prepare students to address the growing needs of southeastern North Carolina and the mid-Atlantic and southeastern regions of the United States in beach nourishment, dredging, dredged material management, coastal sediment management, coastal structure analysis and design, as well as wetlands and marsh stabilization and restoration. In addition, graduates would be prepared to pass the Fundamentals of Engineering (FE) exam, which is the first step towards taking the Professional Engineer (PE) exam necessary to become a licensed professional engineer.
- The proposed degree program will be delivered on-campus.
- All degree programs at UNCW, including the proposed degree program will require completion of 120 hours. The UNCW Faculty Senate will establish this requirement for all future catalogs in fall 2018. Students in the proposed BS in Coastal Engineering degree program will complete coursework and experiential learning classes. This includes foundational engineering courses and technical elective classes in coastal and marine sciences.
- Thirty full-time students and five part-time students are projected in the first year, while 120 full-time students and 20 part-time students are projected by the fourth year.
- Five tenure-track faculty representing physics, mathematics, and coastal engineering would be required to support the proposed degree program.
- Additional administrative staff will be needed to support the proposed degree program.
- No differential tuition or program specific fees will be requested.
- The proposed BS degree program will require the Randall Library to acquire new journal titles in coastal engineering and marine science. In addition, access to databases such as Knovel (Elsevier), ASCE Library, and Engineering Source (EBSCO) will be needed for interactive tools, articles, e-books, standards, and proceedings.
- Adequate facilities exist to implement the proposed BS in Coastal Engineering for the first three to five years. Some equipment will be needed for laboratory courses. Detailed costs are listed in the budget.

**II. BOG Academic Program Planning Criteria (UNC Policy 400.1)**

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1. **Existing Programs (Number, Location, Mode of Delivery).** Although there are no other undergraduate programs in coastal engineering in the state, three institutions in North Carolina currently offer programs that are somewhat similar. North Carolina State University offers a graduate degree in civil engineering with a concentration in coastal engineering. The University of North Carolina at Charlotte offers a BS in Civil and Environmental Engineering. North Carolina Agricultural and Technical State University offers a BS in Civil Engineering.
2. **Relation to Campus Distinctiveness and Mission.** UNCW's recently adopted strategic plan (*Giving Flight to the Imagination*) articulates goals to attract and retain high-quality students and faculty, advance academic programming and connect students to strong applied learning opportunities

while pursuing excellence, and to take advantage of the coastal location and strengthen post-graduate opportunities for students. UNCW is already a leader in marine science because of the Center for Marine Science (CMS) and nationally recognized programs in earth and ocean science and physical oceanography. Located in southeastern North Carolina, UNCW's range of marine science programs and its interdisciplinary Environmental Sciences program are focused on developing expertise and educating students about the coastal and marine resources of the immediate region and beyond.

3. **Demand (local, regional, state).** Labor market data from the NC Department of Commerce ([www.ncworks.gov](http://www.ncworks.gov)) and the Bureau of Labor Statistics (BLS) suggests growth in civil engineering, the closest labor category to coastal engineering available. In addition, market analysis by Hanover Research indicates that "student demand is rising rapidly for environmental engineering degrees and some coastal engineering related fields."
4. **Potential for Unnecessary Duplication.** There are no public or private institutions of higher education that offer an undergraduate degree in coastal engineering or ocean engineering in North Carolina. Only NC State University offers a graduate degree in civil engineering with a concentration in coastal engineering. North Carolina A&T State University and UNC Charlotte offer undergraduate degrees in civil and/or environmental engineering. The program at UNCW will be unique, focusing on coastal engineering at the undergraduate level.
5. **Employment Opportunities for Graduates.** Labor market data from the NC Department of Commerce ([www.ncworks.gov](http://www.ncworks.gov)) indicates opportunities for graduates in civil engineering, the closest labor category to coastal engineering available in their database. The job outlook shows growing demand with medium supply (approximately 0.32 candidates available per job opening).

The Bureau of Labor Statistics (BLS) projects 8.4 percent growth in civil engineers from 2014 to 2024. For the same period, BLS projects 8.9 percent growth in marine engineers/architects and 12.4 percent growth for environmental engineers. Though these occupations are not coastal engineers, they do give an indication of the growth of similar occupations for this 10-year period.

6. **Faculty Quality and Number.** The proposed BS in Coastal Engineering will require five new faculty hires: one new tenure-track faculty in physics, one new tenure track faculty in mathematics, and three new tenure-track faculty in coastal engineering. These positions will support increased student demand for introductory physics one and two, fluid mechanics, data analysis, calculus one, two, and three, and differential equations.
7. **Availability of Campus Resources (library, space, etc.).** The proposed BS degree program will require the Randall Library to acquire new journal titles in coastal engineering and marine science. In addition, access to databases such as Knovel (Elsevier), ASCE Library, and Engineering Source (EBSCO), will be needed for interactive tools, articles, e-books, standards, and proceedings.

Adequate facilities exist to implement the proposed BS in Coastal Engineering for the first three to five years. Some equipment will be needed for laboratory courses. Detailed costs are listed in the budget.

- 8. Relevant Lower-level and Cognate Programs.** The primary support for the proposed degree program will come from the Department of Mathematics and Statistics and the segment of the Department of Physics and Physical Oceanography not directly involved in teaching the upper-division engineering courses. These two areas will provide the critical foundation in math and physics needed to prepare students for upper-division engineering courses.
- 9. Impact on Access and Affordability.** The proposed degree program will not require differential tuition or program-specific fees. Enrollment increase funds will not be requested.

UNC Wilmington In-State Undergraduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-5 Hours	\$555.38	\$331.34	\$886.72
6-8 Hours	\$1,110.75	\$662.19	\$1,772.94
9-11 Hours	\$1,666.13	\$1,323.87	\$2,990.00
12 or more	\$2,221.50	\$1,323.87	\$3,545.37

UNC Wilmington Out-of-State Undergraduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-5 Hours	\$2,313.50	\$331.34	\$2,644.84
6-8 Hours	\$4,672.00	\$617.19	\$5,289.19
9-11 Hours	\$6,940.50	\$1,323.87	\$8,264.37
12 or more	\$9,254.00	\$1,323.87	\$10,577.87

- 10. Expected Quality.** The measures used to evaluate the proposed degree program will include enrollments, student progress in coursework, student success on the FE exam, and job placement rates.
- 11. Feasibility of Collaborative Program.** Although there are no public or private institutions in North Carolina with undergraduate degrees in coastal engineering or ocean engineering, there are opportunities for collaboration with UNC institutions that have programs in civil and environmental engineering (UNC Charlotte, North Carolina A&T State University, and NC State). The greatest opportunity for collaboration exists with NC State because it offers graduate coursework in coastal engineering.

In addition, collaboration with East Carolina University and the three marine labs of Duke University, the University of North Carolina at Chapel Hill, and NC State is possible. Further collaborations are available with the U.S. Army Corps of Engineers which has a strong regional presence in the Wilmington district and the Field Research Facility in Duck, North Carolina.

- 12. Other Considerations.** None.

### III. Summary of Review Processes

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**Campus Review Process and Feedback.** The proposal was reviewed by the UNCW faculty, department and university curriculum committees, provost, and chancellor. Approval was obtained at all levels.

**UNC System Office Review Process and Feedback.** Throughout the review process, UNCW provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the requests and did not request further information.

### IV. Recommendation

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It is recommended that the Board of Governors approve UNCW's request to establish a Bachelor of Science in Coastal Engineering degree program (CIP 14.9999) to enroll students starting fall 2019.

**Request for Authorization to Establish a  
Bachelor of Arts in Interdisciplinary Studies  
(BA, CIP 30.9999) at  
University of North Carolina Wilmington**

**I. Program Highlights**

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- The proposed BA in Interdisciplinary Studies degree program will integrate previous educational attainment with critical thinking, problem-solving, and communication skills, as well as building on life and work experience. The curriculum will focus students on skill development, applied learning, and career planning, documented by an e-portfolio to demonstrate student learning.
- The proposed degree program will be delivered on-campus and online.
- All degree programs at UNCW, including the proposed degree program, will require completion of 120 credit hours of coursework. The curriculum will include a 12-hour concentration in either Arts and Humanities, Organizations and Communications, Global and International, Health Sciences and Human Development, Science and Technology, or Social Institutions and Human Behavior. At least 24 hours must be at the 300- to 400-level. In addition, students must complete general education requirements as listed in the UNCW catalog.
- Five full-time online students, 13 part-time online students, and five part-time face-to-face students are projected in the first year. Fifteen full-time online students, 58 part-time online students, and 15 part-time face-to-face students are projected by the fourth year.
- During the first four years, a program director will be assigned, three part-time positions or overload stipends will be needed to teach upper-division courses, and one part-time academic advisor or overload stipend will be required. This will be provided by the Office of Academic Affairs and the College of Arts and Sciences (CAS). A part-time professional advisor for CAS is already in place.
- No differential tuition or program specific fees will be requested.
- The Randall Library's holdings are adequate to support the proposed BA in Interdisciplinary Studies. Continued library investment in monographs, e-books, streaming videos, and other e-resources, as well as subscriptions to academic journals and databases will support existing programs that participate in the proposed program.
- Adequate facilities exist to implement the proposed BA in Interdisciplinary Studies. The only physical facilities needed will be the existing office for the academic advisor.

**II. BOG Academic Program Planning Criteria (UNC Policy 400.1)**

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1. **Existing Programs (Number, Location, Mode of Delivery).** There are 20 liberal arts or interdisciplinary degree programs at public and private institutions in North Carolina. Two of the programs are offered 100 percent online, in contrast to the proposed hybrid degree program at UNCW.
2. **Relation to Campus Distinctiveness and Mission.** The proposed degree program aligns with the UNCW mission statement, which emphasizes the value of “diversity and globalization, ethics and integrity, and excellence and innovation.” The proposed degree program is responsive to institutional strategic priorities which seek to increase enrollments and encourage student success, including degree completion. The College of Arts and Sciences at UNCW is committed to

fostering interdisciplinarity and capitalizing on its diversity to develop new approaches and collaborative degree programs where appropriate.

- 3. Demand (local, regional, state).** In 2007, The North Carolina Commission on Workforce Development stated that achieving higher educational attainment would be critical to the success of the work force in the state between 2007-2017. Hart Research Associates reported in 2013 that 95 percent of employers “put a priority on hiring people with the intellectual and interpersonal skills that will help them contribute to innovation in the workplace.” The proposed BA in Interdisciplinary Studies degree program aims at encouraging degree completion for students who stopped attending while still academically eligible from UNCW. Preliminary research suggests that many of the prospective students for the proposed degree program are no longer living in southeastern North Carolina. This highlights the potential of an online program to reach these students.
- 4. Potential for Unnecessary Duplication.** There are 20 degree programs for liberal studies and interdisciplinary studies degrees at public and private institutions in North Carolina. Two are available 100 percent online. The proposed degree program at UNCW is intended to be limited to re-enrolling students and will include targeted ongoing support in connection with a broader UNC System initiative to support re-enrolling returning students. Given that students prefer to complete degrees where they began them, it is expected that the target population of UNCW’s own returning students will not create unnecessary program duplication.
- 5. Employment Opportunities for Graduates.** Given the broad range of interdisciplinary degree programs, it is difficult to identify specific job market data relating to the degree. However, significant evidence exists to support degree completion initiatives. According to a 2012 report from the Brookings Institute, 43 percent of job openings in the 100 largest metropolitan areas typically require a bachelor’s degree, but just 32 percent of all adults 25 and older have one. In 2007, The North Carolina Commission on Workforce Development stated that achieving higher educational attainment would be critical to the success of the work force in the state between 2007-2017. Hart Research Associates reported in 2013 that 95 percent of employers “put a priority on hiring people with the intellectual and interpersonal skills that will help them contribute to innovation in the workplace.”
- 6. Faculty Quality and Number.** The proposed BA in Interdisciplinary Studies will require two new positions in the first year: a program director and a part-time academic advisor. In year two, a second part-time position or overload stipend will be needed to teach IDS 400. In year three, a third part-time/overload stipend will provide two sections of IDS 300. In year four, a final part-time faculty member, or overload teaching assignment, will be required. The Office of Academic Affairs and the College of Arts and Sciences will provide these resources from enrollment growth funds.
- 7. Availability of Campus Resources (library, space, etc.)** The Randall Library’s holdings are adequate to support the proposed BA in Interdisciplinary Studies. Continued library investment in monographs, e-books, streaming videos, and other e-resources, as well as subscriptions to academic journals and databases will support existing programs that participate in the proposed program.

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Adequate facilities exist to implement the proposed BA in Interdisciplinary Studies. The only physical facilities needed will be the existing office for the academic advisor.

8. **Relevant Lower-level and Cognate Programs.** Given that the proposed degree program is in interdisciplinary studies, utilizing various existing programs, no specific lower-level and cognate programs are identified as requirements.
9. **Impact on Access and Affordability.** The proposed degree program will not require differential tuition or program-specific fees. Enrollment growth funds will be provided by the College of Arts and Sciences.

Tuition rates for undergraduate students are as follows:

UNC Wilmington In-State Undergraduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-5 Hours	\$555.38	\$331.34	\$886.72
6-8 Hours	\$1,110.75	\$662.19	\$1,772.94
9-11 Hours	\$1,666.13	\$1,323.87	\$2,990.00
12 or more	\$2,221.50	\$1,323.87	\$3,545.37

UNC Wilmington Out-of-State Undergraduate Tuition and Fees			
Hours	Tuition	Fees	Total
1-5 Hours	\$2,313.50	\$331.34	\$2,644.84
6-8 Hours	\$4,672.00	\$617.19	\$5,289.19
9-11 Hours	\$6,940.50	\$1,323.87	\$8,264.37
12 or more	\$9,254.00	\$1,323.87	\$10,577.87

10. **Expected Quality.** The measures used to evaluate the proposed degree program will include enrollments, graduation rates, job placement rates, time to complete the degree, and student acquisition of program learning outcomes.
11. **Feasibility of Collaborative Program.** There are no opportunities for program collaboration. Existing programs at East Carolina University and the University of North Carolina at Charlotte were reviewed to plan the proposed degree program.
12. **Other Considerations.** None.

### III. Summary of Review Processes

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**Campus Review Process and Feedback.** The proposal was reviewed by the UNCW faculty, department and university curriculum committees, provost, and chancellor. Approval was obtained at all levels.

**UNC System Office Review Process and Feedback.** Throughout the review process, UNCW provided relevant information pertaining to program requirements and resources. The institution submitted appropriate documentation and research to support its statements. Reviewers evaluated the requests and did not request further information.

**IV. Recommendation**

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It is recommended that the Board of Governors approve UNCW's request to establish a Bachelor of Arts in Interdisciplinary Studies degree program (CIP 30.9999) to enroll students starting fall 2018.