

Minutes
Committee on Academic Affairs and Licensing
November 10, 2016

Members Present

Chair Terrye Seckinger
Dr. Louis Lynn, via teleconference
Ms. Allison Dean Love
Admiral Charles Munns
Mr. Kim Phillips, via teleconference

Members Absent:

Dr. Evans Whitaker

Staff Present

Dr. Argentini Anderson
Mr. Clay Barton
Ms. Laura Belcher
Ms. Sandra Carr
Ms. Carrie Eberly
Ms. Lane Goodwin
Ms. Anna Grubic
Ms. Trena Houpp
Dr. John Lane
Ms. Tanya Rogers
Ms. Peggy Simons

Guests

Dr. John Beard, Coastal Carolina University
Ms. Beth Bell, Clemson University
Dr. Connie Book, The Citadel
Dr. Lynn Cherry, College of Charleston
Dr. Stephen Cutler, University of South Carolina Columbia
Mr. Tim Druke, Winthrop University
Ms. Rachel Durrance, Embry-Riddle Aeronautical University
Dr. Csilla Farkas, University of South Carolina Columbia
Dr. Kristia Finnigan, University of South Carolina Columbia
Dr. Stephanie Frazier, S.C. Technical College System
Dr. Zhengqing Fu, University of South Carolina Columbia
Dr. Philip Hall, Medical University of South Carolina
Dr. Debra Jackson, Clemson University
Mr. Nell Keifer, Embry-Riddle Aeronautical University
Dr. Manton Matthews, University of South Carolina Columbia
Dr. Brian McGee, College of Charleston
Dr. Valerie Morris, College of Charleston
Mr. William Muldoon, Embry-Riddle Aeronautical University
Dr. Jeff Priest, University of South Carolina Aiken
Dr. Hope Rivers, S.C. Technical College System
Dr. Richard Robinson, The Citadel
Dr. Gary Senn, University of South Carolina Aiken
Dr. Darlene Shaw, Medical University of South Carolina
Ms. Bree Stansberry, Embry-Riddle Aeronautical University
Dr. Nathaniel Walker, College of Charleston
Dr. Calvin Williams, Clemson University
Dr. Victor Zordan, Clemson University

Welcome

Chair Seckinger called the meeting to order at 10:04 am and announced the meeting was being held in compliance with the Freedom of Information Act.

1. Consideration of Minutes of September 8, 2016

Chair Seckinger requested a motion to accept the minutes of the September 8, 2016 meeting. Ms. Belcher informed the Committee that Commissioner Love noticed a typographical error and Ms. Belcher assured the Committee it would be corrected. The motion was **moved** (Lynn) and **seconded** (Phillips) and the Committee **voted unanimously to accept the minutes as corrected.**

2. Program Proposals

a. University of South Carolina Columbia, M.S., Information Security

Chair Seckinger introduced the item, and the Committee **moved** (Munns) and **seconded** (Seckinger) a motion to accept the staff's recommendation for approval. Dr. Finnigan explained the University is well-positioned to offer this program and the University has been building capabilities in this field for approximately 15 years. She stated that President Pastides identified information security as one of a few key strategic directions. She informed the Committee the University is presently the only higher education institution in South Carolina designated by the National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence (CAE) in Information Assurance and Cyber Defense Education (2010-2020), and as a CAE in Information Assurance Research (2015-2020). She explained the University currently offers a post-baccalaureate certificate in cybersecurity in which enrollment has increased and also stated outside entities have requested a master's level credential in the field.

Chair Seckinger asked whether this degree program would replace the certificate and Dr. Finnigan replied the program would be offered in addition to the certificate. Chair Seckinger asked about the interest for the program. Dr. Farkas responded many existing students are interested in the degree and that nationally, many community schools seek to offer associate degrees in cybersecurity but struggle with finding well-credentialed faculty to teach the coursework. Commissioner Munns asked about the low estimated headcount found on page 10. Dr. Farkas answered that the University wanted to present conservative numbers even with data that supports the national need for more graduates in the field.

Chair Seckinger asked how the projected in-state and out-of-state student ratio was determined. Dr. Matthews responded the ratio is comparable to similar graduate programs in computing and engineering at the University. Chair Seckinger asked if graduates will be tracked in regards to career choices. Dr. Matthews stated the University attempts to survey graduates about employment but it is challenging. Commissioner Munns asked whether understanding the motivation or psychology of cyber criminals would be a learning objective of the program. Dr. Farkas responded that type of understanding is implicit and covered in the curriculum. Commissioner Munns asked why the delivery mode is traditional and whether expanding to online delivery is possible. Dr. Matthews answered that the majority of the courses are delivered

traditionally mainly because the students are traditional. Dr. Farkas then added the program has the potential to expand to online delivery.

Commissioner Munns asked why the University does not consider reducing tuition based on the profits the program is projected to generate. He asked that the answer be provided prior to CHE consideration and therefore **moved that the motion be amended** pending the submission of information. Commissioner Lynn asked about potential collaboration with The Citadel for this program. Dr. Book responded that The Citadel works closely with USC; supports the USC program; and would be open to any specific articulation agreement with USC. Commissioner Phillips asked about potential salaries for graduates of the program. Dr. Farkas replied salaries could be in the range of \$90,000-\$100,000. Commissioner Love expressed her support for the consideration of expanding the program online. She asked for current job opening data, beyond 2013 numbers. Dr. Lane shared that information could be updated in the proposal prior to consideration by CHE.

Without further discussion, the Committee **voted unanimously to commend favorably** to the Commission the program leading to a Master of Science degree in Information Security at the University of South Carolina Columbia, to be implemented in Spring 2017, pending the submission of requested information regarding projected high profit margin and updated job opening data.

Commissioner Munns made a motion to consider Agenda Item 4 before Agenda Item 2b to accommodate Commissioners' schedules and Commissioner Love seconded the motion. The motion passed unanimously. Please see information under Agenda Item 4.

- b. University of South Carolina Columbia, Pharm.D.
- c. Medical University of South Carolina Columbia, Pharm.D.

Chair Seckinger introduced the items, and the Committee **moved** (Munns) and **seconded** (Love) a motion to accept the staff's recommendations for approval for both Agenda Items 2b and 2c. Dr. Finnigan explained that the proposals seek to restore the institutions' individual PharmD programs which existed prior to the creation of the merged program offered by S.C. College of Pharmacy in 2005. She informed the Committee that the institutions collaborated on this program before the merger and plan to continue collaboration after the merged program is split. She stated that structural issues regarding the S.C. College of Pharmacy, such as separate tenure policies and separate financial systems, helped the institutions determine that the proposed amicable split of the merged program was beneficial. She explained structural issues such as these precluded the institutions from ever creating a truly joint program. She reported that the separate programs will continue the same curricula and that the institutions expect stable enrollment. Chair Seckinger observed the issues seem to be operational in nature. Dr. Finnigan agreed. Dr. Shaw added the institutions also have different student learning systems which created difficulties. Chair Seckinger clarified that the institutions have already sought separate accreditation so CHE approval would be the last step. Dr. Finnigan concurred. Chair Seckinger stated the separation of the merged program seems to be a prudent business decision.

Commissioner Munns expressed concerns about potential program redundancy. He specifically asked what additional costs will be incurred through the creation of two separate programs. Dean Hall explained the number of students and number of faculty members will remain the same and the same courses are already being taught on both campuses. He stated that the institutions will continue to work together on clinical sites. Commissioner Munns asked whether increased teaching hours will drive up costs. Dean Rowen answered "no" and stated some faculty members

will have to adjust their teaching-to-research ratio to accommodate additional teaching hours. Commissioner Munns expressed dissatisfaction with answers about costs. He continued by asking what costs will be incurred administratively. Dean Hall answered that the Executive Dean position will be eliminated and the campus deans will govern the programs at their respective institutions. Commissioner Munns **moved that the approval of the programs be contingent upon submission of better financial justifications.** Commissioner Love **seconded** and asked for institutions to provide the current costs and the projected future costs of each program. Chair Seckinger asked whether the programs are full. Dr. Shaw answered affirmatively. Dr. Shaw stated that the institutions do not expect an increase in costs. Commissioner Lynn asked about competition from schools in other states. Dean Hall answered this change will have no effect on the market. Commissioner Lynn asked if the PharmD is offered through the Academic Common Market. Ms. Carr answered “no.”

Without further discussion, the Committee **voted unanimously to commend favorably** to the Commission the program leading to a Doctorate of Pharmacy degree at the University of South Carolina Columbia and the program leading to a Doctorate of Pharmacy degree at the Medical University of South Carolina, to be implemented in Spring 2017, pending the submission of revised financial justifications for the proposed programs.

d. College of Charleston, M.A., Community Planning, Policy and Design

Chair Seckinger introduced the item, and the Committee **moved** (Love) and **seconded** (Munns) a motion to accept the staff’s recommendation for approval. Dr. McGee explained the proposed program is a product of an interdisciplinary conversation; it aims for a progressive traditional approach and is a fascinating intersection of real estate, urban planning, and architectural design. He referred to support letters included in the proposal and cited job opportunities in the progressive traditional approach. Chair Seckinger expressed her support for the program.

Commissioner Lynn asked the College to comment on Clemson’s similar program in Resilient Urban Design. Dr. McGee informed the Committee of discussions with Clemson regarding the two programs. He explained Clemson’s program is focused on engineering and the two programs complement each other. Dr. Jackson added that the programs attract different backgrounds of students. Commissioner Love commended the data and support letters in the packet.

Commissioner Munns asked about limitations for student growth. Dr. McGee responded that the College has assured the local community it does not intend to grow the undergraduate day-time student population on the peninsula, but the College does not have a limit in regards to graduate students because they already live in the area in their own housing and therefore have little impact on the City of Charleston. Commissioner Munns asked why the College does not consider reducing tuition based on the high profits that the program is projected to generate. Dr. McGee stated that the budget form on the proposal is difficult to complete but the College can represent new costs or allocated costs on the form with explanatory footnotes. He stated total costs are more difficult to represent due to “sunk” costs. He explained that the College does not seek to hire new faculty unless the program generates substantial growth. Commissioner Munns commented on the creation of a dashboard indicator and explained that hopefully it will include a reference to a program’s effect on tuition. Commissioner Love commended the discussion and encouraged more conversation with Provosts around this topic. Ms. Houpp commented that an ACAP task force will be analyzing the program proposal forms for revision and suggesting better ways to represent budgets.

Without further discussion, the Committee **voted unanimously to commend favorably** to the Commission approval of the Master of Arts degree in Community Planning, Policy and Design at the College of Charleston to be implemented in Fall 2017.

e. Clemson University, M.S., Digital Production Arts

Chair Seckinger introduced the item, and the Committee **moved** (Love) and **seconded** (Phillips) a motion to accept the staff's recommendation for approval. Dr. Jackson informed the Committee Clemson currently offers a Master of Fine Arts (M.F.A.) degree in Digital Production Arts but seeks to offer a Master of Science degree in the field as well. Commissioner Munns referred to his submitted questions and Clemson's written responses (please see Attachment A) and asked why Clemson does not charge different tuition rates for in-state and out-of-state tuition. Dr. Jackson answered the program is a highly specialized graduate program with a higher than normal tuition rate based on the market and does not distinguish between in- or out-of-state. Chair Seckinger asked whether the curriculum is different between the M.F.A. and the M.S. Dr. Zordan responded that the core curriculum is the same, while the M.S. students will focus on technical and programming skills and the M.F.A. students will focus on studio production. Commissioner Lynn asked where the program will be offered. Dr. Jackson responded the program will be offered at the Zucker building in Charleston and on the Main Campus. Commissioner Lynn asked about articulation agreements with Charleston-area institutions. Dr. Jackson replied Clemson has an articulation agreement with The Citadel which will be amended to include additional courses for this program.

Commissioner Munns asked about the length of time between Clemson Board of Trustees' approval and the Commission's approval process. Dr. Jackson answered that the first CHE submission date after Board approval was July 1 and the program was reviewed at ACAP in September. Dr. Lane reminded the Committee that the cycle dates were reviewed and approved by both ACAP and CAAL and that ACAP members chose not to meet in the summer due to institutions' challenges coordinating faculty and other personnel schedules. Commissioners encouraged staff to continue to study the program proposal review calendar to possibly shorten the approval process. Dr. Lane responded that staff are currently creating a three-year calendar of dates, which are scheduled for ACAP and CAAL consideration at upcoming meetings. Dr. Jackson reminded the Committee that Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC) approval must be pursued after CHE approval for programs. Ms. Belcher emphasized that both ACAP and CAAL members review, provide feedback and approve submission and meeting dates before staff execute the approval cycles. Commissioner Love expressed concern about the planned May 11, 2017 CAAL meeting because it was her understanding that the full Commission would meet that day. Ms. Houpp explained that the Commission meeting dates for 2017 have not been released.

Without further discussion, the Committee **voted unanimously to commend favorably** to the Commission the program leading to a Master of Science degree in Digital Production Arts at Clemson University, to be implemented in Spring 2017.

f. Central Carolina Technical College; Greenville Technical College; Piedmont Technical College; Tri-County Technical College: A.A.S., Engineering Design Technology

Chair Seckinger introduced the item, and the Committee **moved** (Munns) and **seconded** (Love) a motion to accept the staff's recommendation for approval. Dr. Rivers explained industry and business feedback led the System to terminate its program in Engineering Graphics Technology and offer a program in Engineering Design Technology in its place. She informed the Committee

the recently terminated programs had an 80% placement rate and were ABET-accredited. She stated the System sent a letter of notification to ABET and SACSCOC to authorize this change. She stated this program was designed for transfer to baccalaureate programs. Commissioner Munns asked whether the System's approval is parallel to the Commission's approval process as encouraged by the May 2015 Memorandum of Understanding. Dr. Rivers responded that the System already approved the change of program. Commissioner Munns asked about transfer. Dr. Rivers answered the Engineering Graphics Technology courses are not designed for transfer but that some do transfer. Commissioner Love referred to three questions previously submitted and stated that the answers were provided (please see Attachment B). Dr. Rivers and Dr. Lane both stated the System and CHE will continue to work together and review the approval process of associate of applied science degrees.

Without further discussion, the Committee **voted unanimously to commend favorably** to the Commission the program leading to an Associate of Applied Science degree in Engineering Design Technology at Central Carolina Technical College, Greenville Technical College, Piedmont Technical College, and Tri-County Technical College, to be implemented in Spring 2017 (Greenville Technical College) and Fall 2017 (Central Carolina Technical College; Piedmont Technical College; and Tri-County Technical College).

3. Consideration of Request for Amendment to Existing License to Add New Site

Embry-Riddle Aeronautical University, New Site in North Charleston:

A.S., B.S. in (1) Aeronautics, (2) Aviation Maintenance, and (3) Technical Management;

M.S. in (1) Aeronautics, (2) Management, and (3) Project Management

Chair Seckinger introduced the item, and the Committee **moved** (Munns) and **seconded** (Love) a motion to accept the staff's recommendation for approval. Ms. Stansberry explained the agenda item asks approval of an amendment to Embry-Riddle's license to add a new site in North Charleston and to offer a variety of aeronautical programs. She informed the Committee Embry-Riddle seeks to offer programs in Charleston as a part of its robust relationship with Boeing.

Commissioner Love expressed her concern about the overlap and duplication of management and project management programs already offered in the Lowcountry by public colleges and universities. She asked that the proposed programs in management and project management be delayed but expressed support for the aeronautical programs to move forward. Dr. Book commented The Citadel offers a M.S. in Project Management and M.B.A. in Management in the Charleston area. She expressed her opinion that programs considered for licensure which are similar to programs offered in the area should be vetted by ACAP. Commissioner Munns asked about potential duplication of associate degrees. Dr. Rivers responded that Trident Technical Colleges offers an A.A.S. in Aircraft Maintenance Technology.

Commissioner Munns commented that the Commission's standard for approval for licensed programs is different from approval of public programs. He suggested that CHE staff arrange a legal opinion as to the Commission using program duplication as a reason to disapprove a license amendment. Dr. Lane explained proposed programs for licensure receive a thorough vetting by Licensing staff according to the Licensing statute and regulations. He continued by stating because institutions seeking licensure are not public institutions and therefore not represented on ACAP, it would not be fair to have their programs peer-reviewed by ACAP. Chair Seckinger clarified the issue seems to focus on duplication of local current and public programs which are not at full capacity. She then requested Embry-Riddle review possible duplication of the management programs and that CAAL consider those programs at a later date. Commissioner

Munns asked whether the A.S. in Aviation Maintenance might need to be reviewed more for duplication of Trident Technical College's program before it is considered by CAAL.

Commissioner Munns asked for the implementation dates for the programs. Ms. Stansberry responded Embry-Riddle plans to open the campus as soon as the Commission approves the site and programs. She explained these programs have been offered at other locations, including in Greenville, SC, for a long time and are quite successful. Commissioner Munns asked to better understand the redundancies before issuing CAAL approval but also wishes not to delay the implementation of the programs.

Commissioner Munns asked for a matrix to be created regarding similar programs already being offered in the Lowcountry by public institutions. He requested that data include enrollment numbers, costs, and student capacity. Chair Seckinger suggested that CAAL move forward with approval of the programs that are not duplicated and then have Embry-Riddle return to CAAL with updated information for those programs that seem to duplicate current programs in the area.

Chair Seckinger **moved** and Commissioner Munns **seconded** that the staff recommendation be revised to reflect approval of the following six degree programs: Associate of Science degree in Aeronautics; Associate of Science degree in Technical Management; Bachelor of Science degree in Aeronautics; Bachelor of Science degree in Aviation Management; Bachelor of Science degree in Technical Management and Master of Science degree in Aeronautics.

Without further discussion, the Committee **voted unanimously to commend favorably** to the Commission an amendment to the existing license for Embry-Riddle Aeronautical University at Daytona Beach, Florida, to establish a branch of its Worldwide campus in North Charleston, to be implemented immediately upon approval, provided that no state funds be required or requested. Existing programs to be offered at its site in North Charleston are those leading to an Associate of Science degree in Aeronautics; Associate of Science degree in Technical Management; Bachelor of Science degree in Aeronautics; Bachelor of Science degree in Aviation Management; Bachelor of Science degree in Technical Management and Master of Science degree in Aeronautics at the North Charleston campus of Embry-Riddle Aeronautical University.

4. Election of Committee Chair and Committee Vice-Chair

Chair Seckinger introduced the item, and the Committee **moved** (Love) and **seconded** (Munns) to re-elect Commissioner Seckinger as Committee Chair. Chair Seckinger asked for other nominations. None were offered. The Committee **voted unanimously to elect Commissioner Seckinger as Chair of the Committee.**

The Committee **moved** (Munns) and **seconded** (Love) to re-elect Commissioner Lynn as Committee Vice-Chair. Chair Seckinger asked for other nominations. None were offered. The Committee **voted unanimously to elect Commissioner Lynn as Vice-Chair of the Committee.**

5. Revisions to the *Policies and Procedures for Academic Degree Program Productivity*

Chair Seckinger introduced the item, and the Committee **moved** (Love) and **seconded** (Munns) a motion to accept the staff's recommendation for approval. Dr. Lane commended Ms. Houpp who led the ACAP Task Force and expressed appreciation for the hard work of the Task Force

members. Ms. Houp reminded the Committee that the *Policies and Procedures for Academic Degree Program Productivity* were revised last year to make changes in the enrollment and completion productivity benchmarks. She explained that the task force has continued its work and now brings more changes to the *Policies and Procedures* to finalize the program-specific review of new programs which will review a program after implementation to compare it to the information projected in the program proposal. Ms. Houp explained that instead of creating two separate policies, the task force recommended including the program-specific review in the biennial review.

Chair Seckinger asked for comments from task force members present. Mr. Drueke commented the task force work addresses concerns CAAL members have expressed in past years regarding program productivity. Commissioner Munns stated he was concerned about institutions reacting negatively towards suggestions of “sunsetting” programs. Commissioner Lynn expressed concerns about the potential of this policy and procedure extending into institutional operations and authority. Commissioner Munns commented that this policy and procedure will help the Commission fulfill the role of statewide regulator. Dr. Lane informed the Committee that the policy and procedure are similar to other states, which were consulted in the creation of the policy. Commissioner Lynn asked whether the revised policy will add undue burden to CHE and institutional staff. Ms. Houp replied additional staff resources will be needed in the Commission’s Division of Academic Affairs to execute the program-specific review and institutions will be asked to submit data they already collect as well as submit narrative responses to more nuanced questions on the form. Commissioner Lynn expressed concern about the Commission terminating programs and Commissioner Munns reminded the Committee that the Commission does not have authority to terminate programs, but can only suggest termination.

Commissioner Munns commended the excellent work of the task force and Chair Seckinger agreed. Commissioner Munns commented about the language of the form’s sections on personnel and curriculum being too rigid. Ms. Houp responded that the form allows institutions to justify changes made to the program. Mr. Drueke replied that if a program being reviewed indicates substantial changes being made to personnel or the curriculum, it is most likely that the institution will have already informed the Commission through a program modification. Commissioner Munns commented that he would like to see higher level metrics in the future as the Committee develops dashboards. He explained an example being that the form would not simply compare the current program statistics to what the institutions predicted but to statewide standards and metrics set by the Commission.

Commissioner Love praised the work as well and asked for the strategy used by the task force. Ms. Houp responded that the members were committed to meeting together in person for long periods in order to create the best solutions to differing opinions and perspectives. Chair Seckinger thanked Ms. Houp and the task force members for their hard work.

Without further discussion, the Committee **voted unanimously to commend favorably** to the Commission the revisions to the *Policies and Procedures for Academic Degree Program Productivity*.

6. New Federal *Improving Teacher Quality* Competitive Grants Awards, FY 2016-17

Chair Seckinger introduced the item, and the Committee **moved** (Munns) and **seconded** (Love) a motion to accept the staff’s recommendation for approval. Dr. Lane commended Dr. Gregg on her hard work for the grants program and explained she was unable to attend the meeting. He

then introduced Ms. Houpp to elaborate on the agenda item. Ms. Houpp explained the process of choosing grant award recipients and her experience serving on the review team.

Ms. Houpp reported the review team decided to recommend funding for four proposals and then invited representatives of those proposals to share a summary of their projects. Dr. Robinson from The Citadel explained that its proposal focuses on problem solving and sense-making in mathematics and the importance of disciplinary literacy. He stated the goal for this type of teaching is for students to read and write in ways that are commiserate with how mathematicians in the field interact with the subject matter. Dr. Fu from the University of South Carolina Columbia presented information on its proposal which focuses on ways to teach about plant processes. He explained that the project hopes to show teachers how to make plant processes, and their related structures, understandable for students and expose teachers to current plant-based research. Dr. Williams from Clemson University explained its project involves mathematics and genetics and incorporates a partnership with the Greenwood Genetics Center. He further shared the project will increase teachers' content knowledge in ways that translate into better preparing students for job demands that require strong statistical literacies. Dr. Senn from the University of South Carolina Aiken shared about its project which focuses on high quality professional learning activities designed to improve teacher content knowledge, prepare teachers to teach college- and career-ready mathematics and science standards more effectively with applicable integration of technology, improve student learning, and increase student access to accelerated learning opportunities in high-need areas.

Commissioner Munns asked how many teachers will participate in these projects. The project directors replied that 20-35 teachers will participate in each project. Ms. Houpp explained that each project will receive additional funding because only four projects were recommended for funding and this year is the final year of funding for the federal program. Chair Seckinger expressed support for the projects and specifically lauded the institutions' intentions to bolster subject content knowledge for teachers.

Without further discussion, the Committee **voted unanimously to approve on behalf of the Commission** the review panel's funding recommendations (please see Attachment C). Funding is contingent upon the project directors' revisions of the proposed projects in accord with the review panel's recommended changes.

7. Other Business

Commissioner Love asked about the CAAL Purpose and Responsibilities discussion from September's meeting. Chair Seckinger responded that after further legal review it was determined that CAAL did not need an official statement because the purpose and responsibilities are implied in statute.

Chair Seckinger thanked those in attendance for their participation and staff for their work. Hearing no further business, she adjourned the meeting at 1:04 p.m.

Clemson University's Responses

M.S. Digital Production Arts

1. Is USC's MFA offered in Charleston?

No, the program is approved for delivery only in Columbia. Also, this program is quite different from the one proposed as well, with USC focusing on creative and design while this MS is much more technical and tools oriented.

2. Why such conservative estimates on the number of students?

The estimates are set to be modest (at least as a start for the program) such that the program will not overrun the resources already in place as DPA (MFA) expands based on our latest plan. The plan includes the addition of the program in North Charleston, and simultaneously includes the transition to a new "self-funding" model that has the DPA (MFA) paying for itself due through a differential tuition rate. With the enrollment numbers projected, we will not need to increase numbers of offerings of classes, but fill seats left in class sections already planned for the projected MFA growth. Having more students apply over time (increased demand) is a nice "problem" to have since we can either increase quality, or increase access as factors allow.

3. Page 17 – why not distinguish between in-state and out of state? Will in-state students pay the full cost of the program?

The entire business model for the MS is built to match that of the MFA following the plan approved by the University in 2015. We see this as a necessity to avoid some rather severe differentials. The MFA and MS degree has been set to the same price with no difference in- and out-of-state. One reason is that there is substantial overlap in the courses that may be taken and it seems unfair to have two "classes" of students within the degree program. Also, this solution will make it so that the students in either degree may transition (with proper qualifications) between the degrees.

4. Page 16 – The financial chart shows nearly a 200% profit. Why charge so much tuition and fees, and what program or facility does this then subsidize?

We address this in two fashions, first by increasing the quality of the experience (e.g. sending students to conferences) and equipment/offerings (a key to staying ahead in a fast-paced industry) and second, by offering deeper and more tuition support as the program evolves. In both, we manage the profit to the degree as is possible while benefiting the students to the degree that is feasible

**Committee on Academic Affairs and Licensing Meeting
Thursday, November 10, 2016**

Responses for Committee questions about the proposal for the A.A.S. in Engineering Design Technology from the South Carolina Technical College System on behalf of Central Carolina Technical College, Greenville Technical College, Piedmont Technical College, and Tri-County Technical College.

- 1. Why do the four technical colleges have differing numbers for budgets and the number of faculty needed (vary from 1.5 to 4)?**

Similar to budget variability for all colleges in the SCTCS, the EDT program budgets differ due to projected enrollment. Central Carolina, Piedmont, and Tri-County Technical Colleges do not anticipate any budgetary changes for this name change. Enrollment and the number of faculty members will remain the same. There are no estimated new costs. Greenville Technical College anticipates that the name change will increase the program enrollment, which accounts for the costs listed in the table. The number of faculty members for each college are based on current staffing and enrollment and are sufficient for each college's program.

- 2. Why are the projected graduation rates so different? (30% at Greenville Technical College vs. 60% at Central Carolina? Piedmont Tech is 28.7%, Tri-County Tech is 45%)**

Similar to overall college graduation rates in the SCTCS, the projected EDT graduation rates vary by college due to enrollment, retention, the local labor market and various other reasons. Frequently, students in the SCTCS find employment prior to program completion or face personal obstacles, such as familial or financial obligations. Additionally, students choose different career paths, which ultimately affects the graduation rate. The 150% graduation rate measures students who complete the program within three years. Students who enroll in the program on a part-time basis, frequently due to employment, will not complete within the three year timeframe. The number of part-time students in each program could have a huge impact on the graduation rate and the variability among programs. This trend is not unique to the EDT program. Similar trends would be found among other programs in the SCTCS.

- 3. Do you have any additional growth estimates (or a percentage of growth forecasted) for CAD Designer employment over the next five years (as noted on p. 3)?**

Graduates with the skillset obtained in the Engineering Design Technology program are employable in a variety of occupations. As a result, job titles may vary depending on the employer and industry (e.g. CAD Designers, CAD Operators, and 3D Modelers/Fabricators). Results from the college employment needs survey and data from Career One Stop (2015) project a range of 50 to 128 jobs openings in this field over the next five years.

**Improving Teacher Quality Higher Education Proposals Submitted
FY 2016-17**

Institution	Project Director(s)	Name of Proposal	Content Area	LEA Partners	Funds Requested	Funds Awarded	Recommended for Funding
The Citadel	Jennifer Albert, Richard Robinson	Promoting Problem Solving & Sense Making: Engaging Teachers in the Mathematical Process	Mathematics	Charleston County	\$123,623.80	\$172,257.50	Yes
Clemson University	Nicole Bannister, Calvin Williams	Exploring the Mathematics of Genetics	Science, Mathematics	Abbeville, Greenwood 51, Anderson 3	\$125,464.10	\$172,257.50	Yes
College of Charleston	Ian O'Byrne	Project ELATED (English Language Arts and Technology in Education)	English, Language Arts	Charleston County	\$125,000.00	0	No
University of South Carolina Aiken	Gary Senn, Gloria Allen	Forward Thinking, Teaching and Learning (FTTL): Mathematics and Science Concepts in a Digital-based Society	Science, Mathematics	Aiken, Allendale, Bamberg 2	\$124,992.33	\$172,257.50	Yes
University of South Carolina Columbia	Stephen Thompson	Enhancing Middle Grades Science Teachers' Knowledge of Plant Processes, Structures, and Functions Through Engagement in Plant Sciences Research	Science	Richland 1	\$122,130.73	\$172,257.50	Yes
University of South Carolina Upstate	Marilyn Izzard, Stephen Bismarck	Making Math Matter	Mathematics	Spartanburg 2, 3, 7	\$107,930.60	0	No