

Alabama Commission on Higher Education  
RSA Union Building, 100 North Union Street, Room 782  
Montgomery, Alabama 36104  
Office: 334-242-1998  
Fax: 334-242-0268  
Website: [www.ache.alabama.gov](http://www.ache.alabama.gov)

# COMMISSION MEETING

Public Service Commission Hearing Room  
RSA Union Building, 9th Floor  
100 North Union Street  
Montgomery, Alabama 36104

March 10, 2017  
10:00 a.m.



# Alabama Commission on Higher Education

## 2017 Committee Structure

### Executive Committee

*Charles Ball, Chairman*  
*Randle McKinney, Vice-Chairman*  
*Charles E. Sanders*  
*William R. Jones, Jr.*

### Instructional Affairs Committee

*Charles E. Sanders, Chairman*  
*Karen Calametti*  
*Stan R. Pylant*  
*Miranda Bouldin Frost*

### Finance Committee

*William R. Jones, Jr., Chairman*  
*Charles Buntin*  
*Amy Price*  
*Patricia McGriff*  
*Timothy Gyan*



# AGENDA

## ALABAMA COMMISSION ON HIGHER EDUCATION

RSA Union Building, 9th Floor  
Public Service Commission Hearing Room

March 10, 2017  
10:00 a.m.

- I. Call to Order
- II. Roll Call of Members and Determination of Quorum
- III. Approval of Agenda
- IV. Consideration of Minutes of December 9, 2016 .....1
- V. Chairman’s Report
- VI. Executive Director’s Report
- VII. Discussion Items
  - A. Cash for College Initiative  
*Guest Presenter: Ms. Kristina Scott, Executive Director, Alabama Possible*
  - B. Update on the Longitudinal Data System Initiative  
*Guest Presenter: Ms. Diane Sherman, Alabama LDS Director for Education, Office of Information Technology*
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**X. Adjournment**

# ALABAMA COMMISSION ON HIGHER EDUCATION

## MINUTES OF MEETING

December 9, 2016

### I. Call to Order

The Alabama Commission on Higher Education met in regular session on Friday, December 9, 2016 in the Public Service Commission Hearing Room, RSA Union Building, Montgomery, Alabama. Commissioner Ball called the meeting to order at 10:05 a.m.

Commissioner Ball welcomed presidents, institutional representatives, and guests.

### II. Roll Call of Members and Determination of Quorum

Members present: Charles Ball, Charles Sanders, Karen Calametti, Miranda Bouldin Frost, William Jones, Amy S. Price, Charles Buntin, Patricia McGriff, and Stan Pylant. Members absent: Darius Foster, Randle McKinney, and Timothy Gyan. A quorum was determined by roll call of members present.

### III. Approval of Agenda

RESOLVED: Commissioner Jones moved to approve the agenda. Commissioner Price seconded. The agenda was approved.

### IV. Consideration of Minutes of September 9, 2016

RESOLVED: Commissioner Calametti moved for approval of the September 9, 2016 minutes. Commissioner Jones seconded. Motion carried. The minutes were approved.

### V. Chairman's Report

Commissioner Ball reminded everyone of how much there is to be grateful for during the holiday season. He thanked the Commissioners, institutional representatives, and Commission staff for the educational service provided to Alabama citizens.

### VI. Executive Director's Report

Mr. Vick announced that on December 6, 2016 the Southern Association of Colleges and Schools, Commission on Colleges, approved the merger of Faulkner State Community College, Alabama Southern Community College, and Jefferson Davis Community College.

He also announced that the Montgomery Advertiser reported that South University, a proprietary school in Montgomery, was placed on probation due to financial concerns surrounding its parent company, Education Management Corporation. A copy of the article was distributed to Commissioners and is attached.

## VII. Discussion Items

### A. Annual Report: Articulation and General Studies Committee (AGSC & STARS) 2016

Dr. Suzanne Ozment, Chair, Articulation and General Studies Committee, reported on the FY 2015-16 activities and accomplishments of the Articulation Committee. A power point presentation was given which outlined the history and background of the AGSC and STARS and the priorities and goals for FY 2016-17.

A copy of the Annual Report was distributed to Commissioners and is attached.

Dr. Ozment thanked the Commissioners for their support of the AGSC/STARS program.

### B. Annual Report: U.S. Department of Education No Child Left Behind (NCLB) Title II (P.L. 107-110) FY 2015-16 / Announcement of Continuation Awards FY 2016-17

Dr. Conely stated that the NCLB legislation that provided NCLB competitive grant awards to institutions for K-12 teachers professional development was reauthorized as the Every Student Succeeds Act (ESSA), which does not continue funding for competitive grant programs. However, the USDE has provided one year of transition under NCLB rules.

He introduced Dr. J. Michael Wyss, Director of Community Outreach and Development at the University of Alabama at Birmingham. Dr Wyss explained that the NCLB grant project, "University-School Partnership for Secondary School Science (BioTeach)," provides high school teachers with advanced training and knowledge in biology. A copy of the power point presented is attached.

After Dr. Wyss' presentation, Dr. Conely announced the 2016-17 Continuation Grant Awards. A copy of the list of awards is attached.

### C. Annual Report: Alabama Experimental Program to Stimulate Competitive Research (EPSCoR)

Dr. Chris Lawson, Executive Director, EPSCoR, reported that in FY 2015 ALEPSCoR was awarded nearly \$9M in new federal grants from four federally funded EPSCoR agencies. Ongoing EPSCoR federal funded projects generated an estimated \$12.3M in research during FY 2015. In 2016, ALEPSCoR along with research companies HudsonAlpha and Southern Research, undertook the task of developing the Alabama EPSCoR State Science and Technology Roadmap (AESSTR) to define statewide research priorities and expertise across the state. This document works in conjunction with Accelerate Alabama to provide targeted economic growth for the state.

He then introduced Dr. Miranda Steele, a GRSP student who joined iRepertoire, Inc. in 2009 as a post-doctoral researcher. She now serves as Director of R&D and

Operations and is currently overseeing a large laboratory expansion. A copy of the power point presentation she presented is attached.

The 2015-16 Alabama EPSCoR Annual Report, along with *Volume 9, Graduate Research Scholars Program (GRSP)* publication was distributed to Commissioners. Copies are attached.

**D. Annual Report: State Authorization of Non-Resident Institutions**

Dr. French opened her remarks by explaining that it is customary for the annual report for non-resident institutions to focus on the scope of activity related to state authorization that is presented in two publications available on the Commission's website: the state authorization inventory and the programmatic profiles of degree granting institutions. But because of the escalation in school closures nationwide, she preferred to address the implications of these closures on students by addressing three questions: 1) What happens when a school closes? 2) Who is watching? and 3) Who cares?

Further discussion addressed the protocols used by the Commission for school closures and the process for archiving records of schools closed. Attention was then turned to the recent and more complex process of school closing on a national level (Corinthian College and ITT Technical Institute) with the involvement of accreditation agencies and the U.S. Department of Education. Dr. French indicated this was an ongoing process which continues to be monitored by staff.

**E. Annual Report: Alabama Commission on Higher Education 2015-2016**

Ms. Margaret Gunter stated that the annual report had been submitted previously to Commissioners via email. She asked that the report be accepted. A copy of the Annual Report is attached.

RESOLVED: Commissioner McGriff moved to accept the annual report. Commissioner Jones seconded. Motion carried.

**VIII. Decision Items**

**A. Designation of an Acting Executive Director**

Commissioner Charles Ball presented the Commission's recommendation that Tim Vick, current Director for Agency Operations & Fiscal Services, be appointed as Acting Director of the Commission on Higher Education.

RESOLVED: Commissioner Frost moved that the Commission accept the recommendation. Commissioner Jones seconded. Motion carried.

**B. Executive Budget Request for FY 2017-2018**

Ms. Veronica Harris presented the staff recommendation to the Commission with a recommendation for approval.



RESOLVED: Commissioner Calametti moved that the Commission accept the staff recommendation for approval. Commissioner Sanders seconded. The Chair called for a vote. 8 voted yes. 1 voted no. Motion carried.

**C. Consolidated Budget Recommendation for FY 2017-2018**

Ms. Susan Cagle presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Pylant moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

**D. Report on the Facilities Master Plan & Capital Projects Requests for FY 2017-2018 - FY 2021-2022**

Ms. Susan Cagle presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Price moved that the Commission accept the staff recommendation for approval. Commissioner Buntin seconded. Motion carried.

**E. Academic Programs and Amendments to the Administrative Procedures**

1. University of Alabama, Doctor of Philosophy in Geography (CIP 45.0701)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Frost moved that the Commission accept the staff recommendation for approval. Commissioner Sanders seconded. Motion carried.

2. Auburn University, Master of Arts in Counseling Psychology (CIP 42.2803)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Jones moved that the Commission accept the staff recommendation for approval. Commissioner Price seconded. Motion carried.

3. Auburn University, Master of Science in Industrial and Organizational Psychology (CIP 42.2804)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Pylant moved that the Commission accept the staff recommendation for approval. Commissioner Jones seconded. Motion carried.

4. University of Alabama at Birmingham, Master of Science in Instructional Design Development (CIP 13.0301)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Pylant moved that the Commission accept the staff recommendation for approval. Commissioner Buntin seconded. Motion carried.

5. University of Alabama, Juris Masters with Concentration in Taxation (CIP 22.0211)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Price moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

6. University of Alabama, Master of Arts in Religion in Culture (CIP 38.0201)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Buntin moved that the Commission accept the staff recommendation for approval. Commissioner Price seconded. Motion carried.

7. University of West Alabama, Master of Education in Learning, Design, and Technology (CIP 31.0501)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Calametti moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

8. University of Alabama at Birmingham, Bachelor of Science in Medical Sociology (CIP 45.1101)

Ms. Margaret Pearson presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Buntin moved that the Commission accept the staff recommendation for approval. Commissioner Calametti seconded. Motion carried.

9. Auburn University, Bachelor of Science in Applied Biotechnology (CIP 26.1201)

Ms. Margaret Pearson presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Pylant moved that the Commission accept the staff recommendation for approval. Commissioner Jones seconded. Motion carried.

10. Auburn University, Bachelor of Science in Industrial Design Studies (CIP 50.0499)

Ms. Margaret Pearson presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Frost moved that the Commission accept the staff recommendation for approval. Commissioner Jones seconded. Motion carried.

11. Amendments to the Administrative Procedures for the Alabama Student Grant Program

Ms. Cheryl Newton presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Sanders moved that the Commission accept the staff recommendation for approval. Commissioner Jones seconded. Motion carried.

12. Amendments to the Administrative Procedures for the Alabama Student Assistance Program

Ms. Cheryl Newton presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Jones moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

13. Amendments to the Administrative Procedures for the Alabama National Guard Educational Assistance Program

Ms. Cheryl Newton presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Jones moved that the Commission accept the staff recommendation for approval. Commissioner Calametti seconded. Motion carried.

**F. Extensions/Alterations of Existing Programs and Units of Instruction**

1. University of Alabama, Addition of a Concentration in Production to the Existing BACIS in Creative Media (CIP 09.0799)

Ms. Margaret Pearson presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Buntin moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

2. University of Alabama, Addition of a Concentration in Sports Media to the Existing BACIS in News Media (CIP 09.0499)

Ms. Margaret Pearson presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Calametti moved that the Commission accept the staff recommendation for approval. Commissioner Price seconded. Motion carried.

3. Wallace State Community College (Hanceville), Addition of a Certificate in Child Development to the Existing AAS in Child Development (CIP 19.0708)

Ms. Margaret Pearson presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Plylant moved that the Commission accept the staff recommendation for approval. Commissioner McGriff seconded. Motion carried.

4. Auburn University, Addition of Options in Marine Resources Management, Pre-Professional, and Fisheries and Aquaculture to the Existing BS in Fisheries, Aquaculture, and Aquatic Sciences (CIP 01.0303)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Jones moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

5. Auburn University, Addition of Options in Culinary Science, Hotel and Restaurant Management, and Event Management to the Existing BS in Hospitality Management (CIP 52.0901)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Calametti moved that the Commission accept the staff recommendation for approval. Commissioner Jones seconded. Motion carried.

**G. Request to Amend Post Implementation Conditions**

1. Jacksonville State University, Doctor of Science in Emergency Management (CIP 44.9999)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner McGriff moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

2. Jacksonville State University, Master of Fine Arts in Visual Communication and Design (CIP 50.0401)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Calametti moved that the Commission accept the staff recommendation for approval. Commissioner McGriff seconded. Motion carried.

3. University of Alabama at Birmingham, Master of Arts in Education in Reading (CIP 13.1315)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Calametti moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

4. University of Alabama at Birmingham, Master of Science in Computer Forensics and Security Management (CIP 11.1003)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Frost moved that the Commission accept the staff recommendation for approval. Commissioner Jones seconded. Motion carried.

5. University of Montevallo, Bachelor of Arts/Bachelor of Science in Interdisciplinary Studies (CIP 30.9999)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Sanders moved that the Commission accept the staff recommendation for approval. Commissioner Price seconded. Motion carried.

6. Lawson State Community College, Associate in Applied Science and Certificate in Automotive Manufacturing Technology (CIP 15.0613)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Jones moved that the Commission accept the staff recommendation for approval. Commissioner Price seconded. Motion carried.

7. Chattahoochee Valley Community College, Associate in Applied Science and Certificate in Applied Technology (CIP 15.0613)

Dr. Lenny Lock presented the staff recommendation to the Commission with a recommendation for approval.

RESOLVED: Commissioner Jones moved that the Commission accept the staff recommendation for approval. Commissioner Frost seconded. Motion carried.

#### **IX. Information Items**

RESOLVED: Commissioner Jones moved that the Commission accept Information Items 1 through 15. Commissioner Pylant seconded. Motion carried.

1. Annual Off-Campus Site Follow-Up Report for Academic Year 2015-2016
2. University of Alabama, Change in the Name of the Department of Criminal Justice to the Department of Criminology and Criminal Justice
3. University of North Alabama, Establishment of the Center for the Study of Sport and Recreation
4. University of North Alabama, Establishment of the Center for the Study of Exercise Science and Health Promotion
5. Jacksonville State University, Establishment of the Center for Best Practices in Law Enforcement
6. Troy University, Establishment of the Center for Public Service
7. Auburn University, Establishment of an Educational Complex in Gulf Shores, AL
8. University of South Alabama, New Exempt Off-Campus Site: Hoover High School Hoover, AL
9. University of South Alabama, New Exempt Off-Campus Site: Saraland High School Saraland, AL

10. Implementation of Approved Programs
11. Summary of Post Implementation Reports
12. Implementation of New Short Certificate Programs (Less than 30 Semester Hours)
13. Changes to the Academic Program Inventory
14. Implementation of Non-Degree Programs at Senior Institutions
15. Implementation of Distance Education Programs

**X. Adjournment**

The meeting was adjourned at 12:15 p.m. The next meeting of the Commission is scheduled for March 10, 2017.

\_\_\_\_\_  
Charles Ball, Chairman

Sworn to and subscribed before  
me this the \_\_\_\_ day of \_\_\_\_\_  
2017.

\_\_\_\_\_  
Tim Vick, Interim Executive Director

\_\_\_\_\_  
Notary Public

DECISION ITEM B-1: Snead State Community College, Associate in Applied Science and Certificate in Powerplant Technology (CIP 47.0608)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objective/Description:** This program is designed to prepare students to apply technical knowledge and skills to repair, service, and maintain all aircraft operating, control, and electronic systems. The program will include instruction in flight instrumentation; aircraft communications and homing systems; radar and other sensory systems; navigation aids; and specialized systems for various types of civilian and military aircraft. Students will be prepared to take Federal Aviation Administration (FAA) written, oral, and practical examinations required for certification. Some coursework will be offered at the Albertville Aviation Center in Marshall County.

This proposed program begins with a broad-based approach to the study of electronics to prepare students with a basic knowledge of electronic theory and a working knowledge of electronic equipment and components. Beyond initial instruction in those areas, students receive extensive, hands-on training with aviation electronic equipment such as communication and navigation radios; weather radars; autopilots; on-board computers; transponders and more.

**Role:** The proposed program is within the instructional role recognized for Snead State Community College (SND).

**Mode of Delivery:** This program will be divided between classroom theory and hands-on laboratory work. The program will be taught in a traditional classroom/lab environment, with selected portions of the theory elements being delivered online. Delivering the theory content online allows for a much more flexible lab schedule, allowing students to more easily complete the program, while balancing family and other responsibilities. Students will use a variety of training aids and actual aircraft and aircraft systems to develop manipulative skills and technical competencies. Overall, approximately 25 percent of the program is Interactive Distance Learning Delivery. One-hundred percent of the General Education portion of the program can be completed online.

**Similar Programs:** This program does not duplicate or resemble any other program at the College. This program is currently being taught at Faulkner State Community College and Enterprise State Community College.

**Collaboration:** According to the application, a 2+2 agreement with Auburn University's College of Business in Professional Flight Management and Aviation Management is currently in development.

**Licensure:** The FAA offers separate certifications for Airframe mechanics and Powerplant Technology. The program is designed to prepare students with the knowledge and skills needed to take the Federal Aviation Administration written, oral and practical examinations.

Additionally, each certified aviation maintenance technician school shall provide instruction of such quality that its graduates of a curriculum meet FAA criteria established percentage passing criteria.

The Alabama Aviation Center at Albertville is currently certified by the FAA as an aviation technician school. The College will certify to the FAA testing centers that students have completed the program.

**Resources:** A total of \$1,877,440 in estimated new funds will be needed for the program in the first five years, and a total of \$2,636,556 will be available through internal reallocations, extramural funds, and tuition.



**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. The proposed program will support existing industry and make the area more attractive to new employers.
2. "Aerospace and Defense" is listed in the Alabama Workforce Region 2 strategic plan as a top industry, and it is poised to grow.
3. North Alabama is home to multiple aerospace employers due to the presence of the Redstone Arsenal.
4. There are numerous aerospace employers within a 60 mile radius of the Albertville Airport. Companies include: BAE, Sierra Nevada, Yulista Aviation, Calista Corporation, and CSRA. This program will therefore support existing industry and make the area more attractive to new employers.
5. Job prospects are best for mechanics holding an Airframe and Powerplant credentials. However, employment prospects are best for individuals with certification in both Airframe and Powerplant (A&P). The addition of Powerplant to the offerings in Albertville is therefore critical.

DECISION ITEM B-1: Snead State Community College, Associate in Applied Science and Certificate in Powerplant Technology (CIP 47.0608)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the proposed Associate in Applied Science and Certificate in Powerplant Technology.

The program will have the implementation date and post-implementation conditions listed below.

**Implementation Date:** The proposed program will be implemented August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount beginning 2017-18 will be at least 10, based on the proposal.
2. That the annual average number of graduates for the period 2018-19 through 2021-22 (four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Snead State Community College (SND) will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Curriculum for Proposed Program, attached.
3. Letter from Chairman (Tom Sharp, Jr.) The Madison County Executive Airport Authority, attached.

4. Snead State Community College proposal, dated December 7, 2016. Available upon request.
5. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.

**Attachment 1**

INSTITUTION Snead State Community College

PROGRAM Associate in Applied Science and Certificate in Powerplant Technology (CIP 47.0608)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$94,500	\$94,500	\$94,500	\$94,500	\$94,500	\$472,500
LIBRARY	\$0	\$0	\$0	\$0	\$0	\$0
FACILITIES	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$32,500
EQUIPMENT	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$42,500
STAFF	\$209,250	\$209,250	\$209,250	\$209,250	\$209,250	\$1,046,250
OTHER	\$56,738	\$56,738	\$56,738	\$56,738	\$56,738	\$283,690
<b>TOTAL</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$1,877,440</b>

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
INTERNAL REALLOCATIONS	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
EXTRAMURAL	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
TUITION	\$79,288	\$90,153	\$101,230	\$113,685	\$127,200	\$511,556
<b>TOTAL</b>	<b>\$504,288</b>	<b>\$515,153</b>	<b>\$526,230</b>	<b>\$538,685</b>	<b>\$552,200</b>	<b>\$2,636,556</b>

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	8	13	15	17	20	15
NEW ENROLLMENT HEADCOUNT	8	9	10	11	12	10
						4-YEAR AVERAGE
DEGREE COMPLETION PROJECTIONS	0	6	7	8	9	8

**Attachment 2**

**Snead State Community College  
 Associate in Applied Science and Certificate in  
 Powerplant Technology**

	Course #	Course Name	Semester Hours
<b>Semester 1</b>	AMT 100	Technical Preparation	5
	AMT 101	Basic Electricity	5
	AMT 102	Materials & Processes	5
	AMT 107	Generals Comprehensive Testing	1
	MTH 116	Mathematics Applications	3
			<b>SEMESTER HOURS:</b>
<b>Semester 2</b>	AMP 120	Engine Theory and Propellers	5
	AMP 121	Reciprocating Engine Systems	5
	AMP 122	Reciprocating Engine Overhaul	5
	CIS 146	Microcomputer Applications	3
			<b>SEMESTER HOURS</b>
<b>Summer</b>	AMP 123	Reciprocating Engine Inspections	5
	AMP 124	Turbine Engine Theory	5
	SPH 106 OR SPH 107	Fundamentals of Oral Communication OR Fundamentals of Public Speaking	3
			<b>SEMESTER HOURS</b>
<b>Semester 3</b>	AMP 125	Turbine Engine Overhaul	5
	AMT 127	Powerplant Comprehensive Testing	1
	ENG 101	English Comp I	3
		History, Social, and Behavior Science Elective	3
			<b>SEMESTER HOURS</b>
		<b>TOTAL CREDIT HOURS</b>	<b>65</b>
<b>CERTIFICATE</b>			
<b>Semester 1</b>	AMP 120	Engine Theory and Propellers	5
	AMP 121	Reciprocating Engine Systems	5
	AMP 122	Reciprocating Engine Overhaul	5
			<b>SEMESTER HOURS</b>
<b>Semester 2</b>	AMP 123	Reciprocating Engine Inspections	5
	AMP 124	Turbine Engine Theory	5
	AMP 125	Turbine Engine Overhaul	5
	AMP 127	Powerplant Comprehensive Testing	1
			<b>SEMESTER HOURS</b>
		<b>TOTAL CREDIT HOURS</b>	<b>31</b>

**Attachment 3**  
**Letter from Chairman (Tom Sharp, Jr.) The Madison County Executive Airport Authority**

DPE-28  
September 2008

# The Madison County Executive Airport Authority



Chairman  
Tom Sharp, Jr.  
Vice Chairman  
C. Smith Haywood  
Treasurer  
Ralph Malone  
Secretary  
Bill Stender  
Board Member  
Bob Broadway

P.O. Box 110 • Meridianville, Alabama 35759 • (256) 828-3883

Date 10-31-2016

To Whom it may concern:

This letter is sent in support of Snead State Community College's Aviation Maintenance Airframe and Powerplant Technology AAS program. I feel that this program would be a tremendous asset for not only the city of Albertville but the surrounding communities such as Madison County Huntsville area. The structure of the program and the detailed curriculum will give students the knowledge and skills they will need to be successful in the aircraft maintenance field.

The certifications and training would be something that our airport tenants like Yulista and Sierra Nevada would look at when hiring in the future. I also know that in dealing with other business leaders in the community, this program would be something that might benefit many of them as well.

Sincerely,

Tom Sharp, Jr  
Chairman

DECISION ITEM B-2: Snead State Community College, Associate in Applied Science and Certificate in Airframe Technology (CIP 47.0607)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objective/Description:** The proposed program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all aircraft components other than engines, propellers, avionics and instruments. This program is designed to prepare students with the knowledge and skills needed to take Federal Aviation Administration (FAA) written, oral, and practical examinations required for certification as an aviation maintenance technician with an airframe endorsement. Some coursework will be delivered at the Albertville Aviation Center in Marshall County.

**Role:** The proposed program is within the instructional role recognized for Snead State Community College (SND).

**Mode of Delivery:** This program will be divided between classroom theory and hands-on laboratory work. The program will be taught in a traditional classroom/lab environment, with selected portions of the theory elements being delivered online. Delivering the theory content online allows for a much more flexible lab schedule, allowing students to more easily complete the program, while balancing family and other responsibilities. Students will use a variety of training aids and actual aircraft and aircraft systems to develop manipulative skills and technical competencies. One hundred percent of the General Education portion of the program can be completed online. Overall, about 25 percent of the proposed program will be interactive distance learning delivery.

**Similar Programs:** This program does not duplicate or resemble any other program at the College. This program is currently being taught at Faulkner State Community College and Enterprise State Community College.

**Collaboration:** According to the application, discussions are being held with Auburn University regarding a 2+2 agreement with the University's College of Business in Professional Flight Management and Aviation Management.

**Licensure:** The FAA offers separate certifications for Airframe mechanics and Powerplant Technology. The program is designed to prepare students with the knowledge and skills needed to take the Federal Aviation Administration written, oral and practical examinations.

Additionally, each certified aviation maintenance technician school shall provide instruction of such quality that its graduates meet FAA criteria established percentage passing criteria.

The Alabama Aviation Center at Albertville is currently certified by the FAA as an aviation technician school. The College will certify to the FAA testing centers that students have completed the program.

**Resources:** A total of \$1,877,440 in estimated new funds will be needed for the program in the first five years, and a total of \$2,607,600 will be available through internal reallocation, extramural funds, and tuition.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. The proposed program will support existing industry and make the area more attractive to new employers.
2. "Aerospace and Defense" is listed in the Alabama Workforce Region 2 strategic plan as a top industry, and it is poised to grow.
3. North Alabama is home to multiple aerospace employers due to the presence of the Redstone Arsenal.
4. There are numerous aerospace employers within a 60 mile radius of the Albertville Airport. Companies include: BAE, Sierra Nevada, Yulista Aviation, Calista Corporation, and CSRA. This program will therefore support existing industry and make the area more attractive to new employers.
5. The proposed Airframe Technology Program is in response to employer needs in the College's service area.



DECISION ITEM B-2: Snead State Community College, Associate in Applied Science and Certificate in Airframe Technology (CIP 47.0607)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the proposed Associate in Applied Science and Certificate in Airframe Technology.

The program will have the implementation date and post-implementation conditions listed below.

**Implementation Date:** The proposed program will be implemented August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount beginning 2017-18 will be at least 10, based on the proposal.
2. That the annual average number of graduates for the period 2018-19 through 2021-22 (four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Snead State Community College (SND) will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Curriculum for Proposed Program, attached.
3. Letter from The Chief Executive Officer (Marlin J. Priest) Pioneer Aviation Management, attached.

4. Snead State Community College proposal, dated December 7, 2016. Available upon request.
5. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.

**Attachment 1**

INSTITUTION Snead State Community College

PROGRAM Associate in Applied Science and Certificate in Airframe Technology (CIP 47.0607)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$94,500	\$94,500	\$94,500	\$94,500	\$94,500	\$472,500
LIBRARY	\$0	\$0	\$0	\$0	\$0	\$0
FACILITIES	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$32,500
EQUIPMENT	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$42,500
STAFF	\$209,250	\$209,250	\$209,250	\$209,250	\$209,250	\$1,046,250
OTHER	\$56,738	\$56,738	\$56,738	\$56,738	\$56,738	\$283,690
<b>TOTAL</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$1,877,440</b>

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
INTERNAL REALLOCATIONS	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
EXTRAMURAL	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
TUITION	\$74,800	\$85,050	\$95,500	\$107,250	\$120,000	\$482,600
<b>TOTAL</b>	<b>\$499,800</b>	<b>\$510,050</b>	<b>\$520,500</b>	<b>\$532,250</b>	<b>\$545,000</b>	<b>\$2,607,600</b>

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	8	13	15	17	20	15
NEW ENROLLMENT HEADCOUNT	8	9	10	11	12	10
						4-YEAR AVERAGE
DEGREE COMPLETION PROJECTIONS	0	6	7	8	9	8

**Attachment 2**

**Snead State Community College  
 Associate in Applied Science and Certificate in  
 Airframe Technology**

	Course #	Course Name	Semester Hours
<b>Semester 1</b>	MTH 116	Mathematical Applications	3
	AMT 100	Technical Preparation	5
	AMT 101	Basic Electricity	5
	AMT 102	Materials & Processes	5
	AMT 107	Generals Comprehensive Testing	1
			<b>SEMESTER HOURS:</b>
<b>Semester 2</b>	AMT 110	Non-Metallic Structures and Welding	5
	AMT 111	Aircraft Sheet Metal Structures	5
	AMT 112	Airframes Systems I	5
	CIS 146	Microcomputer Applications	3
			<b>SEMESTER HOURS</b>
<b>Summer</b>	AMT 113	Airframes Systems II	5
	AMT 114	Airframes Systems III	5
			<b>SEMESTER HOURS</b>
<b>Semester 3</b>		History, Social, and Behavior Science Elective	3
	SPH 106OR	Fundamentals of Oral Communication OR	3
	SPH 107	Fundamentals of Public Speaking	
	AMT 115	Airframes Systems IV	5
	AMT 117	Airframe Comprehensive Testing	1
			<b>SEMESTER HOURS</b>
<b>Semester 4</b>	ENG 101	English Comp	3
		Computer Science/Math/Science Elective	3
			<b>SEMESTER HOURS</b>
		<b>TOTAL CREDIT HOURS</b>	<b>64</b>
<b>CERTIFICATE</b>			
<b>Semester 1</b>	AMT 110	Non-Metallic Structures & Welding	5
	AMT 111	Aircraft Sheet Metal Structures	5
	AMT 112	Airframes Systems I	5
			<b>SEMESTER HOURS</b>
<b>Semester 2</b>	AMT 113	Airframe Systems II	5
	AMT 114	Airframe Systems III	5
	AMT 115	Airframe Systems IV	5
	AMT 117	Airframe Comprehensive Examination	1
			<b>SEMESTER HOURS</b>
		<b>TOTAL CREDIT HOURS</b>	<b>31</b>

**Attachment 3**  
**Letter from The Chief Executive Officer (Marlin J. Priest) Pioneer Aviation Management**

DPE-28  
September 2008



Marlin J. Priest  
Chief Executive Officer  
121 Coshatt Trail  
Hoover, AL 35244

October 27, 2016

To whom it may concern:

I am writing today to show my support of the Snead State Community College's Aviation Maintenance Airframe and Powerplant Technology AAS program. I feel that this program would be a tremendous asset for the city of Albertville, the surrounding communities, and the aviation/aerospace industry in north-central Alabama, and neighboring states.

The structure of the program and the detailed curriculum would give students the knowledge and skills they will need to be successful in the aircraft maintenance and electronics fields. The certification, training, and education would be something that I would definitely consider when looking for employees in the future. I also know that in dealing with other business leaders in the community, this program would be something that might benefit many of them as well. I believe this center is well-positioned to have a positive impact for technical training to meet the current and future needs of industry in its area of influence. I also believe it is in the best interest of the center and the business community if the center is aligned with Snead State Community College.

Sincerely,

A handwritten signature in black ink, appearing to read 'Marlin J. Priest', is written over a printed name.

Marlin J. Priest

DECISION ITEM B-3: Snead State Community College, Certificate in Avionics Technology (CIP 47.0609)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objective/Description:** The proposed program prepares individuals to apply technical knowledge and skills to repair, service, and maintain all aircraft operating, control, and electronic systems. This includes instruction in flight instrumentation; aircraft communications and homing systems; radar and other sensory systems; navigation aids; and specialized systems for various types of civilian and military aircraft. Some coursework will be delivered at the Albertville Aviation Center in Marshall County.

Graduates of the program will be prepared to take the Federal Communications Commission (FCC) General Radiotelephone Operator License examination. Along with the Avionics Technology degree the student will also receive a variety of employability skills and work ethics that will allow him/her to be competitive in other elements of the aviation industry.

**Role:** The proposed program is within the instructional role recognized for Snead State Community College (SND).

**Mode of Delivery:** This program will be divided between classroom theory and hands-on laboratory work. The program will be taught in a traditional classroom/lab environment, with selected portions of the theory elements being delivered online. Delivering the theory content online allows for a much more flexible lab schedule, allowing students to more easily complete the program, while balancing family and other responsibilities. Students will use a variety of training aids and actual aircraft and aircraft systems to develop manipulative skills and technical competencies. Overall, approximately 25 percent will be Interactive Distance Learning Delivery. One hundred percent of the General Education portion of the program can be completed online.

**Similar Programs:** This program does not duplicate or resemble any other program at the College. This program is currently being taught at Faulkner State Community College and Enterprise State Community College.

**Collaboration:** According to the application, a 2+2 agreement with Auburn University's College of Business in Professional Flight Management and Aviation Management is currently in development.

**Licensure:** The Alabama Aviation Center at Albertville is currently certified by the FAA as an aviation technician school. The College will certify to the FAA testing centers that students have completed the program.

After completion of the second semester, students may take the FCC General Radio Operator License exam, Elements 1 and 3, to become certified for Radio Operation and Repair and an Aircraft Electronics Technician (AET) certification, by the National Center for Aerospace & Transportation Technologies (NCATT).

After completion of the fourth semester, students may take the FCC General Radio Operators License, Element 8 (Radar) exam to become certified for Radar Operation and Repair and also the NCATT Endorsement Certifications in Onboard Communication & Safety Systems and Radio Communication Systems; Autonomous Navigation Systems; and Dependent Navigation Systems.

At the end of the fourth semester, the student may test for Institute of Printed Circuits (IPAC) IPC/WHMA-A-6208 Requirements and apply for acceptance for Cable and Wire Harness Assemblies Certification.

**Resources:** A total of \$1,877,440 in estimated new funds will be needed for the program in the first five years, and a total of \$2,607,600 will be available through internal reallocations, extramural funds, and tuition.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. These technicians are in high demand by regional and national commercial airlines, in general aviation, and in support of the military and other governmental agencies that use aircraft.
2. "Aerospace and Defense" is listed in the Alabama Workforce Region 2 strategic plan as a top industry, and it is poised to grow.
3. North Alabama is home to multiple aerospace employers due to the presence of the Redstone Arsenal.
4. There are numerous aerospace employers within a 60 mile radius of the Albertville Airport. Companies include: BAE, Sierra Nevada, Yulista Aviation, Calista Corporation, and CSRA. This program will therefore support existing industry and make the area more attractive to new employers.
5. Graduates of the program will be prepared to take the Federal Communications Commission (FCC) General Radiotelephone Operator License examination.

DECISION ITEM B-3: Snead State Community College, Certificate in Avionics Technology (CIP 47.0609)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the proposed Certificate in Avionics Technology.

The program will have the implementation date and post-implementation conditions listed below.

Implementation Date: The proposed program will be implemented August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount beginning 2017-18 will be at least 10, based on the proposal.
2. That the annual average number of graduates for the period 2018-19 through 2021-22 (four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Snead State Community College (SND) will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Curriculum for Proposed Program, attached.
3. Snead State Community College proposal, dated December 7, 2016. Available upon request.
4. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin.



ALABAMA COMMISSION ON HIGHER EDUCATION  
Friday, March 10, 2017

Code (Commission on Higher Education), r. 300-2-1-.03.  
Available upon request.

**Attachment 1**

INSTITUTION Snead State Community College

PROGRAM Certificate in Avionics Technology (CIP 47.0609)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$94,500	\$94,500	\$94,500	\$94,500	\$94,500	\$472,500
LIBRARY	\$0	\$0	\$0	\$0	\$0	\$0
FACILITIES	\$6,500	\$6,500	\$6,500	\$6,500	\$6,500	\$32,500
EQUIPMENT	\$8,500	\$8,500	\$8,500	\$8,500	\$8,500	\$42,500
STAFF	\$209,250	\$209,250	\$209,250	\$209,250	\$209,250	\$1,046,250
OTHER	\$56,738	\$56,738	\$56,738	\$56,738	\$56,738	\$283,690
<b>TOTAL</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$375,488</b>	<b>\$1,877,440</b>

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
INTERNAL REALLOCATIONS	\$400,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,000,000
EXTRAMURAL	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
TUITION	\$74,800	\$85,050	\$95,500	\$107,250	\$120,000	\$482,600
<b>TOTAL</b>	<b>\$499,800</b>	<b>\$510,050</b>	<b>\$520,500</b>	<b>\$532,250</b>	<b>\$545,000</b>	<b>\$2,607,600</b>

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	8	13	15	17	20	15
NEW ENROLLMENT HEADCOUNT	8	9	10	11	12	10
						4-YEAR AVERAGE
DEGREE COMPLETION PROJECTIONS	0	6	7	8	9	8

**Attachment 2**

**Snead State Community College  
 Certificate in Avionics Technology**

**Avionics Technology Certificate**

	<b>Course #</b>	<b>Course Name</b>	<b>Semester Hours</b>
<b>Semester 1</b>	AVT 111	Aviation Electronics Theory	6
	AVT 112	Aviation Electronics Lab I	5
	AVT 121	Principles of Solid State	5
	AVT 141	Introduction to Avionics	2
		<b>SEMESTER HOURS:</b>	<b>18</b>
<b>Semester 2</b>	AVT 131	Digital Concepts	4
	AVT 142	Electronic Communications	5
	AVT 148	Microprocessors & Interfacing	5
	AVT 211	Pulse and Radar Circuits	4
		<b>SEMESTER HOURS</b>	<b>18</b>
<b>Summer</b>	AVT 212	Aircraft Installation and Soldering	4
	AVT 213	Aviation Communications	4
		<b>SEMESTER HOURS</b>	<b>8</b>
<b>Semester 3</b>	AVT 214	Navigation/ILS	4
	AVT 215	DME/Transponder	4
	AVT 216	Autopilot/Aircraft	4
	AVT 140	FCC Rules and Regulations	2
		<b>SEMESTER HOURS</b>	<b>14</b>
		<b>TOTAL CREDIT HOURS</b>	<b>58</b>

The Federal Communications Commission (FCC) examination is not included in the curriculum.

DECISION ITEM B-4: Lawson State Community College, Associate in Applied Science in Diagnostic Medical Sonography (CIP 51.0910)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objective/Description:** The Diagnostic Medical Sonography (DMS) program prepares individuals, under the supervision of physicians, to utilize medical ultrasound techniques to gather sonographic data used to diagnose a variety of conditions and diseases. The program includes instruction in obtaining, reviewing, and integrating patient histories and data; patient instruction and care; anatomic, physiologic and pathologic data recording; sonographic data processing; sonography equipment operation; and professional standards and ethics.

Emphasis within the Lawson State Community College sonography program will focus on cardiac sonography and vascular technology although students exiting the program will be versed in other general sonography areas to include abdomen, obstetric, gynecologic, superficial parts and other appropriate areas and various other subspecialties.

More specifically, although this degree has an emphasis on Cardiovascular Sonography, students entering the program can select to focus on 1) Cardio, 2) Vascular or 3) Abdomen.

Upon completion of the program the candidate will have met the following objectives:

- Demonstrate the ability to evaluate, interpret, and analyze didactic knowledge and be able to apply the clinical expertise relative to their role as entry-level general sonographers, specific to cardio vascular sonography and other applications.
- Demonstrate and be versed in the technical expertise and critical skills necessary to fulfill the role of entry-level general sonographer, specific to cardio vascular sonography and other applications.
- Demonstrate the appropriate and required personal behaviors and aptitude that is consistent with professional and employer standards and expectations for an entry-level general sonographer.
- Be able to obtain, review and integrate pertinent patient history and supporting clinical data to facilitate optimum diagnostic results.
- Be able to perform ultrasounds and record anatomic, pathologic and/or physiologic data for interpretation by a physician.
- Be able to record, analyze and process diagnostic data and other pertinent observations made during the ultrasound examination for presentation to the interpreting physician.
- Demonstrate appropriate communication skills with patients, staff sonographers and physicians.
- Will be able to provide patient education related to sonography results.

**Role:** The proposed program expands the instructional role recognized for Lawson State Community College. Approval of this program will expand academic subgroupings, "Health Related Professions" to the AAS level.

**Mode of Delivery:** According to the application, the Diagnostic Medical Sonography curriculum is based on the Standards and Guidelines for an Accredited Educational Program for the Diagnostic

Medical Sonographer (2011) as established by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon the recommendation of the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS), as well as the American Registry of Diagnostic Medical Sonographers (ARDMS).

The faculty will present the curriculum through formal ground lecture, laboratory and clinical applications to enhance the learning experience. The preparation of Case Study projects is a regularly scheduled program requirement, as well as interpretive case analysis (via technological means).

**Collaboration:** The cardiac division of UAB Hospital is partnering with Lawson State to bring this program to fruition.

**Similar Programs:** According to Lawson's research and Lawson's UAB cardiac partners research, presently there are no Diagnostic Medical Sonography programs in the Birmingham Metro area that focus primarily on cardiac and vascular sonography (which will be the central focus of this proposed program) and the expressed need of Lawson partners.

However, there are five accredited Sonogram Technician Programs in Alabama that offer a broader scope of the field that could justify collaboration. They include H. Council Trenholm State Community College in Montgomery; the Institute of Ultrasound Diagnostics in Mobile; Lurleen B. Wallace Community College in Andalusia; and Wallace State Community College - Hanceville. Virginia College (which is not an accredited institution) offers DMS, and is much closer, but the focus of their program is abdomen and uterine sonography, not cardio or cardio vascular.

**Licensure:** The State of Alabama does not require Diagnostic Medical Sonographers to obtain a license. Anyone interested in certification has to pass the American Registry of Diagnostic Medical Sonographers (ARDMS) certification exam. There are two paths to sit for the exam: (1): the individual must have a degree granted by a Commission on Accreditation of Allied Health Education Programs (CAAHEP) accredited program to satisfy the prerequisites for the exam; or (2) if an individual completed a program that is not accredited, they may still apply for the exam, but the person also has to provide documentation of one year of work experience in the field to qualify first.

Lawson State (and its partner, UAB) plan to seek accreditation and become a CAAHEP program, and also ensure that all Lawson graduates have the work experience needed to sit for the certification exam. The certificate will be sought in year two of the program, not before.

**Resources:** A total of \$373,000 in estimated new funds will be needed for the program in the first five years, and a total of \$486,800 will be available through tuition.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. Employment of diagnostic medical sonographers and cardiovascular technologists and technicians, including vascular technologists, is projected to grow 24 percent from 2014 to 2024, much faster than the average for all occupations.
2. According to the application, there are no Diagnostic Medical Sonography programs in the Birmingham Metro.
3. The cardiac division of UAB Hospital (which is partnering with Lawson State to bring about this program) has already committed to providing Lawson State with \$50,000 for the up-front cost to purchase three sonography machines at the cost of \$15,000 each.
4. University of Alabama at Birmingham Division of Cardiovascular Disease, provided a detailed letter of support from Dr. Oscar Julian Booker, Medical Director, UAB Echocardiography and Medical Director, Cardiovascular Imaging.

DECISION ITEM B-4: Lawson State Community College, Associate in Applied Science in Diagnostic Medical Sonography (CIP 51.0910)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the proposed Associate in Applied Science in Diagnostic Medical Sonography.

The program will have the implementation date and post-implementation conditions listed below.

Implementation Date: The proposed program will be implemented August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount beginning 2017-18 will be at least 10, based on the proposal.
2. That the annual average number of graduates for the period 2018-19 through 2021-22 (four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Lawson State Community College will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Curriculum for Proposed Program, attached.
3. University of Alabama at Birmingham Division of Cardiovascular Disease, Letter from Dr. Oscar Julian Booker, attached.
4. Lawson State Community College proposal, dated December 9, 2016. Available upon request.

5. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.

**Attachment 1**

INSTITUTION Lawson State Community College

PROGRAM Associate in Applied Science in Diagnostic Medical Sonography (CIP 51.0910)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$60,000	\$60,000	\$65,000	\$65,000	\$67,000	\$317,000
LIBRARY	\$5,000	\$2,000	\$2,000	\$2,000	\$2,000	\$13,000
FACILITIES	\$0	\$0	\$0	\$0	\$0	\$0
EQUIPMENT	\$0*	\$2,500	\$2,500	\$25,000	\$2,500	\$32,500
STAFF	\$0	\$0	\$0	\$0	\$0	\$0
OTHER	\$4,000	\$2,000	\$1,500	\$1,500	\$1,500	\$10,500
TOTAL	\$69,000	\$66,500	\$71,000	\$93,500	\$73,000	\$373,000

\*Donated

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-222	TOTAL
INTERNAL REALLOCATIONS	\$0	\$0	\$0	\$0	\$0	\$0
EXTRAMURAL	\$50,000	\$0	\$0	\$0	\$0	\$50,000
TUITION	\$43,680	\$81,900	\$92,820	\$103,740	\$114,660	\$436,800
TOTAL	\$93,680	\$81,900	\$92,820	\$103,740	\$114,660	\$486,800

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	8	15	17	19	21	16
NEW ENROLLMENT HEADCOUNT	8	9	10	11	12	10
						4-YEAR AVERAGE
DEGREE COMPLETION PROJECTIONS	0	6	7	8	9	8



**Attachment 2**

**Lawson State Community College  
 Associate in Applied Science in Diagnostic Medical Sonography  
 Echocardi & Vascular Program Focus Requirements**

Echocardi & Vascular Program Requirements

General Required Courses

- 1 ORI 101 Orientation to College
- 3 ENG 101 English Composition I - Area I
- 3 SPH 107 Fundamentals of Speech - Area II
- 3 MTH 100 Intermediate College Algebra -Area III
- 4 BIO 201 Anatomy and Physiology I Area III
- 4 PHY 115 Technical Physics or PHY 120 Introduction to Physics –Area III
- 3 PSY 200 General Psychology- Area IV
- 21 Total

Note: These courses must be completed prior to entry into the Diagnostic Medical Sonography Program-  
 EchoCardioVascular

	Course#	Course Name	Semester Hours
Semester 1	DMS 216	Sonographic Principles and Instrumentation	3
	DMS 217	Sonographic Principles and Instrumentation Lab	1
	DMS 229	Sonography Preceptorship I	2
	DMS 202	Foundations of Sonography	2
	DMS 204	Sonographic Anatomy	3
	DMS 203	Sonographic Terms	2
Semester 2	DMS 260	Vascular Physics and Instrumentation	3
	DMS261	Vascular Sonography Techniques	3
	DMS 263	Pathology of Vascular System	3
	DMS 264	Vascular Sonography Clinical	5
Semester 3	DMS 271	Echocardiographic Technology	3
	DMS 273	Pathophysiology of the Cardiovascular System	3
	DMS 274	Echo Clinical	5
Semester 4	DMS 245	Sonography Case Presentation	1
	DMS 240	Sonography Seminar I	2
	DMS 232	Sonography Preceptorship IV	5
	DMS 241	Sonography Seminar II	3
		Total Hours Required for Degree	70

**Attachment 2 (continued)  
 Abdominal & Vascular Program Focus Requirements**

Abdominal & Vascular Program Requirements

General Required Courses

- 1 ORI 101 Orientation to College
- 3 ENG 101 English Composition I – Area I
- 3 SPH 107 Fundamentals of Speech – Area II
- 3 MTH 100 Intermediate College Algebra Area III
- 4 BIO 201 Anatomy and Physiology I –Area III
- 4 PHY 115 Technical Physics or PHY 120 Introduction to Physics –Area III
- 3 PSY 200 General Psychology –Area IV
- 21 Total

Note: These courses must be completed prior to entry into the Diagnostic Medical Sonography  
 Abdomen/Vascular

	Course#	Course Name	Semester Hours
Semester 1	DMS 216	Sonographic Principles and Instrumentation	3
	DMS 217	Sonographic Principles and Instrumentation Lab	1
	DMS 229	Sonography Preceptorship I	2
	DMS 202	Foundations of Sonography	2
	DMS 204	Sonographic Anatomy	3
	DMS 205	Abdominal Sonography	4
Semester 2	DMS 203	Sonographic Terms	2
	DMS 207	Abdominal Pathology	3
	DMS 220	Obstetrical Sonography I	3
	DMS 206	Gynecologic Sonography	4
	DMS 230	Sonographic Preceptorship II	3
Semester 3	DMS 260	Vascular Physics and Instrumentation	3
	DMS261	Vascular Sonography Techniques	3
	DMS 263	Pathology of Vascular System	3
	DMS 264	Vascular Sonography Clinical	5
Semester 4	DMS 245	Sonography Case Presentation	1
	DMS 240	Sonography Seminar I	2
	DMS 232	Sonography Preceptorship IV	5
	DMS 241	Sonography Seminar II	3
		Total Hours Required for Degree	76

**Attachment 2 (Continued)**  
**Abdominal Echocardiography Program Focus Requirements**

Abdominal Echocardiography Program Requirements

**General Required Courses**

- 1 ORI 101 Orientation to College
- 3 ENG 101 English Composition I –Area I
- 3 SPH 107 Fundamentals of Speech – Area II
- 3 MTH 100 Intermediate College Algebra –Area III
- 4 BIO 201 Anatomy and Physiology I – Area III
- 4 PHY 115 Technical Physics or PHY 120 Introduction to Physics –Area III
- 3 PSY 200 General Psychology –Area IV
- 21 Total

Note: These courses must be completed prior to entry into the Diagnostic Medical Sonography-  
 Abdominal Echocardiography

	Course#	Course Name	Semester Hours
Semester 1	DMS 216	Sonographic Principles and Instrumentation	3
	DMS 217	Sonographic Principles and Instrumentation Lab	1
	DMS 229	Sonography Preceptorship I	2
	DMS 202	Foundations of Sonography	2
	DMS 204	Sonographic Anatomy	3
	DMS 205	Abdominal Sonography	4
Semester 2	DMS 207	Abdominal Pathology	3
	DMS 220	Obstetrical Sonography I	3
	DMS206	Gynecologic Sonography	4
	DMS230	Sonographic Preceptorship II	3
	DMS 203	Sonographic Terms	2
Semester 3	DMS 271	Echocardiographic Technology	3
	DMS 273	Pathophysiology of the Cardiovascular System	3
	DMS 274	Echo Clinical	5
Semester 4	DMS 245	Sonography Case Presentation	1
	DMS 240	Sonography Seminar I	2
	DMS 232	Sonography Preceptorship IV	5
	DMS 241	Sonography Seminar II	3
		Total Hours Required for Degree	73

**Attachment 3**  
**University of Alabama at Birmingham Division of Cardiovascular Disease,**  
**Letter from Dr. Oscar Julian Booker**



December 6, 2016

To Whom It May Concern:

I am writing this letter in support of developing a Cardiac Ultrasound (echocardiography) training program at Lawson State Community College. Historically, cardiac sonographers in Alabama have been trained on the job. From a workforce development standpoint, this has served our state well. Unfortunately, the quality of the sonographer is inextricably linked to the quality of the clinical environment in which they are trained. Additionally, the focus of on the job training typically centers on the practical aspects of image acquisition and not the ultrasound theory and pathophysiology.

Over the years, physicians have become less involved in the day-to-day operations and education within the average echo lab. As a consequence there has been steady erosion in the image quality and general fund of knowledge for cardiac sonographers. In an effort to reverse this trend, the international governing body for echocardiography has established minimum standards of training for cardiac sonographers. These standards are heavily weighted towards formal, classroom based education in echocardiography coupled with the practical experience gained in the clinical setting.

Stakeholders within the state of Alabama have been slow to recognize the demand for formal training in echocardiography. Currently, there is only one training program in the state of Alabama recognized by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) dedicated to the specific training required for cardiac Sonography. The University of Alabama at Birmingham as well as other health systems and cardiology practices are in dire need of well-trained cardiac sonographers. The critical shortage of registered cardiac sonographers has forced the Echo lab at UAB to routinely recruit sonographers from the surrounding states in the region. I feel there are a tremendous opportunity and an educational void that must be filled. UAB is excited to partner with Lawson State Community College to help meet that educational need.

I fully endorse the administration at Lawson State Community College and support their initiative to develop a Cardiac Ultrasound training program. Please feel free to contact me directly to discuss further.

Kindest Regards

Oscar Julian Booker, MD MBA  
Assistant Professor, Division of Cardiology  
Medical Director, UAB Echocardiography  
Medical Director, Cardiovascular Imaging  
[obooker@uabmc.edu](mailto:obooker@uabmc.edu)  
205-504-7939

Division of Cardiovascular Disease  
306 Lyons-Harrison Research Building  
701 19<sup>th</sup> Street South  
Birmingham, AL 35294-0007  
Phone: 205-975-7123  
Fax: 205-975-5991

DECISION ITEM B-5: Auburn University, Bachelor of Science in Agricultural Science  
(CIP 01.0000)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objective:** The degree in Agricultural Science will prepare students as practitioners in agricultural business, formal and non-formal education, extension education, and other agriculture-related fields. Graduates will be adept at developing and implementing programs that prepare individuals for the agricultural industry and keep the general public literate to the importance of the agriculture, food, fiber and natural resources in our daily living. The program will offer a wide variety of career choices, such as extension educator, organization trainer, consumer relations manager, corporate representatives, and others.

**Role:** The program is within the instructional role recognized by the Commission for Auburn University (AU).

**Mode of Delivery:** According to the proposal, approximately 10 percent of the program will be available through distance education modalities.

**Similar Programs:** There are no similar programs at this level.

**Collaboration:** Although Auburn (AU) states that it will not directly collaborate with others on their delivery of this proposed program, some of these graduates may be candidates for graduate school with other institutions.

**Resources:** The proposal stated that the program will require \$0 in new funds over the first five years. A total of \$1,699,300 through internal reallocations and tuition will be available over that period.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

#### **Rationale for Staff Recommendation:**

1. There is a high need for competent professionals in the field of agriculture with a broad knowledge base (a large multi-national agriculture company is interested in providing internships with potential of hiring these graduates).
2. The proposed program will prepare graduates to farm or work with Alabama agribusinesses.
3. A high demand exists for Agriscience Education teachers and this program will allow for a double-major for these students. Currently, the Alabama State Department Education mandates that each teacher preparation program be completed as a double-major with the corresponding science or arts program. Auburn currently has no general agricultural major that could serve as an appropriate double-major.
4. The proposed program will provide a population prepared for the agricultural workforce with a broad knowledge of agriculture that may be quickly trained in the specialty of their field once they have accepted a position. Agribusiness firms today are very diverse and seek employees with broad knowledge.

DECISION ITEM B-5: Auburn University, Bachelor of Science in Agricultural Science (CIP 01.0000)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Programs

Staff Recommendation: That the Commission approve the proposed Bachelor of Science in Agricultural Science.

Implementation Date: The proposed program will be implemented in August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years will be at least 15, based on the proposal.
2. That the annual average number of graduates for the period 2017-18 through 2021-22 (five-year average) will be at least 16, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment or in entering graduate school.
4. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Auburn University will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Summary of Background Information, attached.
3. Curriculum for Proposed Program, attached.
4. Auburn University program proposal, received December 9, 2016. Available upon request.

5. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.

NEW ACADEMIC DEGREE PROGRAM PROPOSAL SUMMARY

INSTITUTION Auburn University

PROGRAM Bachelor of Science in Agricultural Science (CIP 01.0000)

ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$0	\$0	\$0	\$0	\$0	\$0
LIBRARY	\$0	\$0	\$0	\$0	\$0	\$0
FACILITIES	\$0	\$0	\$0	\$0	\$0	\$0
EQUIPMENT	\$0	\$0	\$0	\$0	\$0	\$0
STAFF	\$0	\$0	\$0	\$0	\$0	\$0
ASSISTANTSHIPS	\$0	\$0	\$0	\$0	\$0	\$0
OTHER	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
INTERNAL REALLOCATIONS	\$36,000	\$37,000	\$37,400	\$37,900	\$41,000	\$189,300
EXTRAMURAL	\$0	\$0	\$0	\$0	\$0	\$0
TUITION	\$210,000	\$225,000	\$275,000	\$380,000	\$420,000	\$1,510,000
TOTAL	\$246,000	\$262,000	\$312,400	\$417,900	\$461,000	\$1,699,300

ENROLLMENT AND DEGREE COMPLETION PROJECTIONS

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	38	45	65	78	85	62
NEW ENROLLMENT HEADCOUNT	5	10	15	20	25	15
						5-YEAR AVERAGE



DEGREE  
COMPLETION  
PROJECTIONS

3

12

18

22

26

16

**ATTACHEMENT 1**  
**Attachment 2**

**Summary of Background Information**

Bachelor of Science in in Agricultural Science  
Auburn University

**Role:** The program is within the instructional role recognized by the Commission for Auburn University (AU).

**Objectives:** The degree in Agricultural Science will prepare students as practitioners in agricultural business, formal and non-formal education, extension education, and other agriculture related fields. Graduates will be adept at developing and implementing programs that prepare individuals for the agricultural industry and keep the general public literate to the importance of the agriculture, food, fiber and natural resources in our daily living. The program will offer a wide variety of career choices, such as extension educator, organization trainer, consumer relations manager, corporate representatives, and others.

It should be noted that the proposed degree will serve two purposes:

1. To provide a general agriculture science degree that has been demanded from various stakeholder groups. This will provide a population prepared for the agricultural workforce with a broad knowledge of agriculture that may be quickly trained in the specialty of their field once they have accepted a position. The proposers state that agribusiness firms today are very diverse and seek employees with broad knowledge.
2. To provide a double-major option for Agriscience Education students. Currently, the Alabama State Department Education mandates that each teacher preparation program be completed as a double-major with the corresponding science or arts program (e.g. science teacher education students double major with the College of Sciences and Mathematics - COSAM). Auburn currently has no general agricultural major that could serve as an appropriate double-major.

With these two purposes in mind, Auburn states that it is reasonable to believe that this new degree program will attract new students that desire a general agricultural degree program as well as students who desire to obtain agriscience education teaching credentials.

Student learning outcomes for the program are as follows:

- Exhibit a broad knowledge of agricultural disciplines and effective communications skills.
- Exhibit technical competence in various agricultural disciplines.
- Demonstrate the ability to advocate for the field of agriculture.
- Demonstrate cross-curriculum problem solving and critical skills.
- Serve in professional careers in agribusiness, education, agricultural extension, and other organizations.

**Administration:** The program will be administered by the College of Agriculture, Dr. Paul Patterson, Dean; and the Department of Horticulture, Dr. Dave Williams, Chair.

**Peer Review:** The Notification of Intent to Submit a Proposal (NISP) and the program proposal were reviewed by the university Chief Academic Officers. There were no objections to either.

**Accreditation:** There is not an accreditation agency for a general agricultural science degree.

**Curriculum:** Program Completion Requirements:

Credit hours in general education core:	41 semester hours (sh)
Credit hours required in the major:	38 sh
Support Courses	32 sh
Free electives:	9 sh
Total:	120 sh

**Assessment:** The assessment methods will involve a general formative and summative evaluation in the courses, utilizing exams, papers, presentations, and projects. The planned degree encompasses 100 percent of courses that are a part of the regular curriculum in the College of Agriculture. Therefore, the course credit will be obtained via specific course syllabi and testing. The students will be tracked to determine career placement and to better adjust the degree program as it develops to meet the stakeholder needs. Further, those who choose to double-major in Agriscience Education will take a comprehensive national exam to determine general agricultural knowledge that will be used as a measure of evaluation for the degree program.

**Collaboration:** Although Auburn (AU) states that it will not directly collaborate with others on their delivery of this proposed program, some of these graduates may be candidates for graduate school with other institutions. Additionally, AU states that it will work closely with community colleges across Alabama to prepare 2+2 recruitment programs.

**Distance Education:** The application states that this degree, in total, will not be a distance program. However, some individual required classes are offered through both online and traditional methods. When available, some classes in the curriculum will be accepted as either online or traditional classes. Approximate distant education would be equal to 10 percent.

**Admissions:** The proposed program has no special admission requirements outside the University's admission policies.

**Need:** There is a high need for competent professionals in the field of agriculture with a broad knowledge base in the State of Alabama. This degree program will be valuable to those who desire the general agricultural preparation, as well as those who intend to enter the secondary classroom. Furthermore, with the continuing aging populations of farmers in Alabama, this degree will prepare graduates to enter into farming as a career.

According to the Bureau of Labor Statistics, Occupational Outlook Handbook in 2014, there were 12,000 jobs available in the U.S. for soil and plant scientists and the job outlook calls for a 7 percent increase in the next 10 years in this sector.

Additionally, according to a study released by Purdue University, during the next five years they predicted 35,400 new U.S. graduates are needed with expertise in food, agriculture, and renewable natural resources. Furthermore, a study funded by the Coalition for Sustainable Agricultural Workforce in 2013 reported that globally, the ag-related workforce is projected to grow by 6.3 percent. They expected to hire over 1,000 new domestic Agriculture scientists in 2015 alone (the report is based on responses from six large life science companies that produce plant protectants and seed).

**Student Demand:** Currently, over 45 Agriscience Education students are enrolled at Auburn University with a need for this double-major. All of these will automatically be enrolled into the Agricultural Science major, if approved. In addition, interest in this degree has been reported by AU's faculty while recruiting at community colleges in Alabama (it was discussed as a "proposed

program” to assess interest). Several students indicated “much interest” in such a program. While no formal assessment has been made, AU’s feedback from counselors at the community colleges and individual recruitment interactions indicate a strong interest in the new program.

**Faculty/Staff:**

Current Primary Faculty—

Full-time: 4

Part-time: 0

Current Support Faculty—

Full-time: 6

Part-time: 0

Additional faculty to be hired:

Primary Faculty—

Full-time: 0

Part-time: 0

Support Faculty—

Full-time: 0

Part-time: 0

**Note:** The application states that new funds are not required because this proposal includes existing courses and current faculty and staff only. Faculty and staff salaries are already deployed to support the current Horticulture faculty. These funds will simply be reallocated to support the new agricultural science B.S. program.

**Equipment:** No new equipment is needed for the program.

**Facilities:** No new facilities will be required for the program.

**Library:** The proposers state that Auburn University has a world-class library that is fully staffed and has an Agricultural library faculty and staff as well.

**Program Budget:** The proposal stated that the program will require \$0 in new funds over the first five years. A total of \$1,699,300 through internal reallocations and tuition will be available over that period.

**Attachment 3  
 Curriculum  
 Bachelor of Science in Agricultural Science**

Course Number and Title	Number of Credit Hours	* If New Course
<b>ANSC 1000 Introduction to Animal Science</b>	4	
MATH 1130 Pre-calculus Trigonometry	3	
ENGL 1100 English Composition I	3	
Core History Sequence I <sup>1</sup>	3	
BIOL 1020/1021 Principles of Biology + Lab	4	
BIOL 1030/1031 Organismal Biology + Lab	4	
CHEM 1030 Fundamentals of Chemistry I	3	
CHEM 1031 Fundamentals of Chemistry I Lab	1	
ENGL 1120 English Composition II	3	
Core History Sequence II or Core Social Science <sup>1</sup>	3	
<b>CSES 2040/43 Basic Soil Science</b>	4	
POUL 1000 Introduction to Poultry Science	3	
Core Literature I <sup>1</sup>	3	
ECON 2020 Principles of Microeconomics	3	
Social Science Choice	3	
<b>HORT 2020 Horticulture Crop Production</b>	3	
STAT 2510 Stats for Bio./Health Sciences	3	
CSES 1000/03 Basic Crop Science	4	
Core Literature II or Humanities Choice <sup>1</sup>	3	
COMM 1000 Public Speaking	3	
<b>HORT 2210 Landscape Gardening</b>	4	
<b>AGEC 3010 Agribusiness Marketing          or AGECE 4000 Agribusiness Management<sup>2</sup></b>	3	
PLPA 3000 General Plant Pathology	4	
<b>Agriculture Supporting Course (3000-5000 level)</b>	4	
CTCT 2100 Power Equipment Technology	3	

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 Friday, March 10, 2017

ENTM 4020 Economic Entomology	4	
Agriculture Supporting Course	3	
Agriculture Supporting Course	3	
Directed Science Elective <sup>3</sup>	3	
<b>FISH 5210 Principles of Aquaculture<sup>4</sup></b> <b>Or FISH 5520 Small Impoundment Mgmt<sup>4/5</sup></b>	3	
<b>CTCT 4030 Career &amp; Technical Student Orgs</b>	3	
HORT 4000 Pesticide Management Or CSES 3120/23 Principles of Weed Science	3	
Electives	4	
<b>CTCT 4140 Ag Structures/Metal Fabrication</b>	3	
<b>Agriculture Supporting Course (3000-5000 level)</b>	4	
Directed Science Elective <sup>3</sup>	3	
Core Fine Arts	3	
UNIV 4AAO University Graduation	0	

DECISION ITEM B-6: Auburn University, Bachelor of Science in Geospatial and Environmental Informatics (CIP 45.0702)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objective:** The Bachelor of Science in Geospatial and Environmental Informatics will provide students rigorous training in fundamental theories, concepts, quantitative tools, analytical technologies and research skills that are used to acquire spatially and temporally referenced information and analyze spatial and temporal processes. Using Science, Technology, Engineering, & Mathematics (STEM) as the base, this program draws from several disciplines including forestry and wildlife, agriculture, geography, engineering and business.

**Role:** The program is within the instructional role recognized by the Commission for Auburn University (AU).

**Mode of Delivery:** According to the proposal, approximately 5 percent of the program will be offered via distance education. This degree will be traditional lecture and laboratory (computer) courses.

**Similar Programs:** Auburn University in Montgomery has the BS in Geographic Information Systems at CIP 45.0702 in the Academic Program Inventory.

**Collaboration:** According to AU officials, no formal collaborations have been planned at this time.

**Resources:** The proposal stated that the program will require \$0 in new funds over the first five years. A total of \$1,118,346 through tuition will be available over that period.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

#### **Rationale for Staff Recommendation:**

1. The proposed program will open the door to a multitude of career paths that include Environmental Planner, Remote Sensing Technologists, Environmental or Forestry Consultant, and Natural Resource Manager to name a few.
2. Letters of support for the proposed program were received from the Alabama Cooperative Fish and Wildlife Research Unit; Resource Management Service, LLC; and the Virginia Tech College of Natural Resources and Environment.

DECISION ITEM B-6: Auburn University, Bachelor of Science in Geospatial and Environmental Informatics (CIP 45.0702)

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: That the Commission approve the proposed Bachelor of Science in Geospatial and Environmental Informatics.

Implementation Date: The proposed program will be implemented in August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years will be at least 16 based on the proposal.
2. That the annual average number of graduates for the period 2019-20 through 2021-22 (three-year average) will be at least 9, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment or in entering graduate school.
4. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Auburn University will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Summary of Background Information, attached.
3. Curriculum for Proposed Program, attached.
4. Auburn University program proposal, received December 9, 2016. Available upon request.

5. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.



**ATTACHEMENT 1**  
 NEW ACADEMIC DEGREE PROGRAM PROPOSAL SUMMARY

INSTITUTION Auburn University

PROGRAM Bachelor of Science in Geospatial and Environmental Informatics (CIP 45.0702)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$0	\$0	\$0	\$0	\$0	\$0
LIBRARY	\$0	\$0	\$0	\$0	\$0	\$0
FACILITIES	\$0	\$0	\$0	\$0	\$0	\$0
EQUIPMENT	\$0	\$0	\$0	\$0	\$0	\$0
STAFF	\$0	\$0	\$0	\$0	\$0	\$0
ASSISTANTSHIPS	\$0	\$0	\$0	\$0	\$0	\$0
OTHER	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
INTERNAL REALLOCATIONS	\$0	\$0	\$0	\$0	\$0	\$0
EXTRAMURAL	\$0	\$0	\$0	\$0	\$0	\$0
TUITION	\$53,480	\$118,040	\$199,060	\$306,606	\$441,160	\$1,118,346
TOTAL	\$53,480	\$118,040	\$199,060	\$306,606	\$441,160	\$1,118,346

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	10	22	37	47	72	38
NEW ENROLLMENT HEADCOUNT	10	12	15	20	25	16 3-YEAR AVERAGE
DEGREE COMPLETION PROJECTIONS	0	0	5	10	12	9

## Attachment 2

### Summary of Background Information

Bachelor of Science in Geospatial and Environmental Informatics  
Auburn University

**Role:** The program is within the instructional role recognized by the Commission for Auburn University (AU).

**Objectives:** The Bachelor of Science in Geospatial and Environmental Informatics will provide students rigorous training in fundamental theories, concepts, quantitative tools, analytical technologies and research skills that are used to acquire spatially and temporally referenced information and analyze spatial and temporal processes. Using Science, Technology, Engineering, & Mathematics (STEM) as the base, this program draws from several disciplines including forestry and wildlife, agriculture, geography, engineering and business.

Student learning outcomes developed for the proposed program are as follows:

- 1) Develop basic understanding of various types of geospatial and environmental data and their spatial and temporal dynamics.
- 2) Learn various technologies involved in data collection, storage and data distribution to the end users including data models and structures to store and organize geospatial and environmental information.
- 3) Convert data into information for a given environmental problem or related issue.
- 4) Understand geospatial and environmental issues and technical needs in problem solving in relation to relevant academic, industrial or public services.
- 5) Demonstrate proficiency in technical skills in geospatial and environmental database design and analysis and the arrangement of things in space and time.
- 6) Apply critical thinking, problem solving and communication skills to solve problems in professional settings.

**Administration:** The program will be administered by the School of Forestry & Wildlife Sciences, Dr. Janaki Alavalapati, Dean.

**Peer Review:** The Notification of Intent to Submit a Proposal (NISP) and the program proposal were reviewed by the university Chief Academic Officers. There were no objections to either.

**Accreditation:** According to the proposal, there is no recognized accreditation agency that the Geospatial and Environmental Informatics degree would fall under. However, many of the courses taught within the School of Forestry and Wildlife Science (SFWS), as part of this new degree program fall under either the Society of American Foresters or the Wildlife Federation, both of which are part of an accreditation body currently in use within the SFWS.

**Curriculum:** The following 6 new courses will be added to the proposed program:

1. GSEI 1200 Digital Earth
2. FOWS 2060 Intro Forested Landscapes
3. GSEI 2070 Intro Environmental Informatics
4. GSEI 5150 Spatial Statistics in Natural Resources
5. GSEI 4360 Environmental Modeling
6. GSEI 4430 Applications in Environmental Informatics

Program Completion Requirements:

Credit hours required in major courses	33
Credit hours required in minor	0
Credit hours in institutional general education or core curriculum	42
Credit hours required in support courses	24
Credit hours in required or free electives	21
Credit hours for thesis or dissertation	0
Total credit hours required for completion	120

**Collaboration:** According to AU officials, no formal collaborations have been planned at this time.

**Distance Education:** According to the proposal, approximately 5 percent of the program will be offered via distance education. This degree will be traditional lecture and laboratory (computer) courses.

**Admissions:** AU's general admission requirements will be sufficient to enter the proposed program.

**Need:** According to the proposal, research, education and outreach activities within the School of Forestry and Wildlife Sciences have intensively involved the geospatial and environmental informatics arena, primarily due to the sustainable management of forests, wildlife and the natural resources throughout the State of Alabama. The demands placed on the limited natural resources and growing interest and expertise within the state make SFWS an ideal unit to lead and host the new degree program. The importance of geospatial and environmental informatics in assessing, monitoring and modeling various environmental issues and problems regarding sustainable natural resources is recognized worldwide. This unique, multi-disciplinary program will equip students to contribute to the judicious management of natural resources and well-being of the society in Alabama.

**Student Demand:** According to AU officials, information on student interest was conducted by an online survey conducted by current SFWS students to gauge their interest and determine if the new degree would conflict/compete with their current degree program. Response rate was 15 percent. The 10-question survey included questions like:

- How interested would you be in changing from your current degree program to the new GIS degree program? 96 percent said No, while 4 percent said they would consider changing majors.
- Do you believe this degree would negatively affect your ability to compete for positions in your current degree? 70.8 percent said No the degree would not affect their ability to compete while, 29.2 percent said Yes, it might affect their ability to obtain a position.
- Do you know of anyone outside of SFWS that might be interested in changing from their current degree program to the new GIS degree program? 55 percent said Yes they knew of someone who would be interested in the new degree, while 45 percent said No, they did not know anyone who would be interested.

**Faculty/Staff:**

Current Primary Faculty—

Full-time: 6

Part-time: 0

Current Support Faculty—

Full-time: 0

Part-time: 0

Additional faculty to be hired:

Primary Faculty—

Full-time: 0

Part-time: 0

Support Faculty—

Full-time: 0

Part-time: 0

**Equipment:** No additional equipment will be needed for the program.

**Facilities:** No new facilities will be required.

**Library:** The combined collections of the Auburn University Libraries contain over 3 million volumes as well as 2.6 million government documents, 2.5 million microforms, and over 148,000 maps. The Libraries receive over 35,000 current periodicals, many which are available online. The library also provides access to over 227 electronic databases and has over 10 million archival and manuscript items.

**Program Budget:** The proposal stated that the program will require \$0 in new funds over the first five years. A total of \$1,118,346 through tuition will be available over that period.

**Attachment 3**

**Curriculum  
 Bachelor of Science in  
 Geospatial and Environmental Informatics**

<b>Freshman Year</b>	
ENGL 1100 & 1120 English Composition I & II	6
BIOL Principals of Biology & Lab 1020/1021 & 1030/1031	8
MATH 1610 Calculus I	4
GEOG 1010 Global Geography	3
COMP 1200 Intro Computing for Engineers and Scientists	2
GSEI 1200 Digital Earth	3
FOWS 2060 Intro Forested Landscapes	2
STAT 2010 Statistics for Social and Behavioral Sciences	3
<b>Sophomore Year</b>	
GSEI 2070 Intro Environmental Informatics	3
ECON 202 Principals of Microeconomics	3
HISTORY or LITERATURE CORE	6
COMP 2000 Network Programming with HTML and Java	3
FOWS 2020 Natural Resource Sampling Techniques	3
SOCIAL SCIENCE CORE	3
HUMANTIES CORE	3
GEOG 2020 Physical Geography	3
Free Elective	3
<b>Junior Year</b>	
FORY 5470 GIS Applications in Natural Resources	2
GEOG 5820 Aerial Photography & Remote Sensing	4
COMM 1000 Public Speaking	3
ENGL 3040 Technical Writing	3
FORY 5480 GIS Database Design and Analysis	2
FORY 4230 Forest Ecology	3
COMP 3000 Programming for Engineers and Scientists	3

GSEI 5150 Spatial Statistics in Natural Resources	3
Free Elective	3
<b>Senior Year</b>	
FOWS 5220 Landscape Ecology	3
GEOG 5880 Advanced GIS	3
GSEI 4360 Environmental Modeling	3
ECON 3100 Law & Economics	3
GSEI 4430 Applications in Environmental Informatics	3
FOWS 5320 Environmental Services	3
FOWS 5880 Ecological Economics	3
FOWS 5270 Natural Resource Policy	3
FORY 5250 Wetland Ecology and Management	3
Free Elective	3

DECISION ITEM B-7: Calhoun Community College, Associate in Applied Science and Certificate in Automotive Technology (CIP 47.0604)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objectives:** Objectives of the proposed program are as follows; the Automotive Technology program will:

1. Inspire and empower individuals to seek excellence through the liberal arts and technical education.
2. Demonstrate an increased attainment of general education and program outcomes the results of which will be used to continuously improve processes and to help students reach their learning goals.
3. Serve the community through engagement in collaborative partnerships to enhance the quality of life in the region.
4. Create seamless pathways to increase the likelihood of a successful transition to postsecondary education.
5. Provide opportunities to pursue educational and career goals by offering classes, sections of classes, and programs using a variety of time frames and delivery methods.
6. Create an environment where students will understand the high expectations that Calhoun Community College (CAL) faculty have set, sense the supportive environment created in the classroom, and recognize the benefits of learning together.
7. Create seamless pathways to increase the likelihood of a successful transition from CAL to four-year colleges and universities.
8. Engage students, faculty, and staff in activities to promote diversity and global awareness to expand the appreciation for others' perspectives and gain insight into the importance of embracing the personal and universal value of all individuals.

**Role:** The proposed program is within the instructional role for CAL. Approval of the proposed program will expand the academic subdivision grouping "Trade and Industrial" to the AAS degree level.

**Mode of Delivery:** According to the application, to best meet the needs of all students, when appropriate, coursework will be offered utilizing alternative delivery methods. These could include, but not be limited to:

- Distance learning
- Mixed mode courses (face-to-face, video-conferencing, audio-conferencing, email, World Wide Web)
- Technology-enhanced instruction
- Evening classes
- Accelerated courses
- Instruction at nontraditional locations, such as employer worksites
- Rolling entry/exit, modularized courses taught through *Learn on Demand*

**Similar Programs:** Currently, 12 schools have long certificates in Auto Mechanics located at CIP 47.0604. There are no AAS programs at that CIP code.

**Collaboration:** According to CAL officials, collaboration with other institutions in close proximity that have an Automotive Technology program will be considered, if the program is approved.

**Licensure:** According to the proposal, licensure is not required for the program at this time.

**Resources:** A total of \$6,011,500 in new funds will be needed for the program in the first five years. Approximately \$4.7 million of this total is associated with the construction of a new facility. A total of \$7,971,852 will be available through legislative appropriation, internal reallocation, extramural funds and tuition.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. The proposed program, if approved, will be housed in the future new Automotive Technology Building that will be constructed on the CAL Decatur Campus.
2. According to CAL, based on employment market research, projected job openings is expected to be over 1,600 by the year 2020 in the institution's service area.



DECISION ITEM B-7: Calhoun Community College, Associate in Applied Science and Certificate in Automotive Technology (CIP 47.0604)

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: That the Commission approve the proposed Associate in Applied Science and Certificate in Automotive Technology.

The program will have the implementation date and post-implementation conditions listed below.

Implementation Date: The proposed program will be implemented August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years will be at least 10, based on the proposal.
2. That the annual average number of graduates for the period 2018-19 through 2021-22 (Four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Calhoun Community College (CAL) will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Application Summary, attached.
2. Summary of Background Information, attached.
3. Curriculum for Proposed Program, attached.
4. Calhoun Community College proposal, dated December 8, 2016. Available upon request.

5. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.

**Attachment 1**

INSTITUTION Calhoun Community College

PROGRAM Associate in Applied Science in Automotive Technology (CIP 47.0604)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	<u>\$50,000</u>	<u>\$75,000</u>	<u>\$80,000</u>	<u>\$82,000</u>	<u>\$84,000</u>	<u>\$371,000</u>
LIBRARY	<u>\$2,500</u>	<u>\$1,000</u>	<u>\$500</u>	<u>\$300</u>	<u>\$200</u>	<u>\$4,500</u>
FACILITIES	<u>\$3,000,000</u>	<u>\$1,500,000</u>	<u>\$250,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$4,750,000</u>
EQUIPMENT	<u>\$250,000</u>	<u>\$250,000</u>	<u>\$50,000</u>	<u>\$10,000</u>	<u>\$10,000</u>	<u>\$570,000</u>
STAFF	<u>\$0</u>	<u>\$40,000</u>	<u>\$40,000</u>	<u>\$42,000</u>	<u>\$44,000</u>	<u>\$166,000</u>
OTHER	<u>\$50,000</u>	<u>\$25,000</u>	<u>\$25,000</u>	<u>\$25,000</u>	<u>\$25,000</u>	<u>\$150,000</u>
TOTAL	<u>\$3,352,500</u>	<u>\$1,891,000</u>	<u>\$445,500</u>	<u>\$159,300</u>	<u>\$163,200</u>	<u>\$6,011,500</u>

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
LEG. APPRP	<u>\$750,000</u>	<u>\$750,000</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$1,500,000</u>
INTERNAL REALLOCATIONS	<u>\$1,300,000</u>	<u>\$1,550,000</u>	<u>\$500,000</u>	<u>\$525,000</u>	<u>\$550,000</u>	<u>\$4,425,000</u>
EXTRAMURAL	<u>\$1,500,000</u>	<u>\$150,000</u>	<u>\$80,000</u>	<u>\$20,000</u>	<u>\$20,000</u>	<u>\$1,770,000</u>
TUITION	<u>\$30,240</u>	<u>\$43,800</u>	<u>\$55,056</u>	<u>\$67,500</u>	<u>\$80,256</u>	<u>\$276,852</u>
TOTAL	<u>\$3,580,240</u>	<u>\$2,493,800</u>	<u>\$635,056</u>	<u>\$612,500</u>	<u>\$650,256</u>	<u>\$7,971,852</u>

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	<u>8</u>	<u>13</u>	<u>15</u>	<u>17</u>	<u>20</u>	<u>15</u>
NEW ENROLLMENT HEADCOUNT	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>10</u>
DEGREE COMPLETION PROJECTIONS	<u>0</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>8</u>

**Attachment 3**

**CAL  
 Associate in Applied Science in  
 Automotive Technology**

**Fall 1st semester**

<b>Core Courses</b>	<b>Course Title</b>	<b>Credit Hours</b>
ORI 110	Orientation	1
CIS 147	Microcomputer Applications	3
ASE-101	Fundamentals of Automotive Technology	3
ASE-133	Motor Vehicle Air Conditioning	3
ASE-112	Electrical Fundamentals	3
ASE-124	Automotive Engines	3

**Spring 2<sup>nd</sup> semester**

<b>Core Courses</b>	<b>Course Title</b>	<b>Credit Hours</b>
ENG 101	English Composition	3
ASE -220	Advanced Automotive Engines	3
ASE-130	Drive Train and Axles	3
ASE -224	Man Transmission and Transaxle	3
ASE-121	Braking Systems	3
ASE-122	Steering and Suspension	3

**Fall 3<sup>rd</sup> semester**

<b>Core Courses</b>	<b>Course Title</b>	<b>Credit Hours</b>
	Humanities	3
	Natural Science or MTH Elective	3
SPH 107	Fundamentals of Public Speaking	3
ASE-230	Auto Transmission and Transaxle	3
ASE-162	Electrical and Electronic Systems	3
ASE-212	Advance Electrical and Electronic Systems	3

**Spring 4<sup>th</sup> semester**

<b>Core Courses</b>	<b>Course Title</b>	<b>Credit Hours</b>
MTH 103	Introduction to Technical Mathematics	3
	Social Science	3
ASE-239	Engine Performance	3
ASE-244	Engine Performance and Diagnostics	3
ASE-246	Automotive Emissions	3
ASE-250	Dealership work experience	2

**Summers**

ASE-191	CO-OP	2
ASE-252	Dealership work experience	2

**Certificates**

**Engines Technician**

ASE-112	Electrical Fundamentals	3
ASE-124	Automotive Engines	3
ASE -220	Advanced Automotive Engines	3

**Tune up or drivability technician**

ASE-112	Electrical Fundamentals	3
ASE-162	Electrical and Electronic Systems	3
ASE-212	Advance Electrical and Electronic Systems	3
ASE-239	Engine Performance	3
ASE-244	Engine Performance and Diagnostics	3
ASE-246	Automotive Emissions	3

**Brakes and Suspension Technician**

ASE-112	Electrical Fundamentals	3
ASE-130	Drive Train and Axles	3
ASE-121	Braking Systems	3
ASE-122	Steering and Suspension	3

**Automotive Electrician Technician**

ASE-112	Electrical Fundamentals	3
ASE-162	Electrical and Electronic Systems	3
ASE-212	Advance Electrical and Electronic Systems	3

DECISION ITEM B-8: Trenholm State Community College, Associate in Applied Science in Respiratory Therapy (CIP 51.0908)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

#### **Program Objectives:**

Objective 1: Begin an Associate of Applied Science Degree in Respiratory Therapy program to increase the healthcare program offerings to students in Trenholm's service area.

Objective 2: Hire appropriately credentialed and competent instructors to provide students with the educational requirements and skills necessary to succeed as a respiratory therapist.

Objective 3: Provide the healthcare community with qualified, highly skilled, entry-level therapists proficient in all technical skills required in carrying out respiratory care.

Objective 4: Obtain accreditation of the RT program through the *Committee on Accreditation for Respiratory Care* (CoARC), with a goal of achieving accreditation within three (3) years of the program start date.

Objective 5: Demonstrate proficiency by which 80 percent of graduates of the RT program will successfully pass the entry level Certified Respiratory Therapy (CRT) examination.

Objective 6: Obtain contractual agreements for the clinical component of the RT program arranged by Trenholm State Community College with local healthcare providers, which may include some or all of the following: hospitals, rehabilitation centers, skilled nursing facilities, and home health agencies.

Objective 7: Provide a highly skilled workforce in which students will demonstrate the ability to assess, plan, implement and evaluate the appropriate care needed by clients.

Objective 8: Show sustainability by which 80 percent of graduates of the RT program will be employed in field (or in a related field of study) within six months of graduation.

Objective 9: Demonstrate program success through 90 percent positive graduate evaluations completed and returned by employers.

Objective 10: Establish an advisory committee, which will be convened two times each year to provide workforce expertise and guidance for program growth and development.

**Role:** The proposed program is within the instructional role recognized for Trenholm State Community College (TRE).

**Mode of Delivery:** Due to the lab and clinical components of the proposed program, it will not be offered entirely as a distance education program. Courses may be offered as hybrid courses with theory components completed on-line.

**Similar Programs:** The following colleges have Respiratory Therapy programs: Shelton State Community College (C, AAS); Wallace State Community College (Dothan) (C, AAS); and Wallace State Community College (Hanceville) (AAS).

**Collaboration:** Due to the local, regional and statewide shortage of Respiratory Therapists, the workforce demands for this specialized training and the lack of any other area provider, workforce needs within this portion of the Alabama River Region cannot be met by the other programs that exist across the state. Respiratory Therapy Education is not as effectively shared across institutions, as it is a more manipulative skill that is best taught by live instruction.

**Licensure:** Respiratory Therapy licensure is required for all states, except Alaska & Hawaii. In order to be eligible for a state license, a graduate must earn the Certified Respiratory Therapist title (CRT) from the National Board for Respiratory Care (NBRC). All graduates from accredited programs are eligible to take the certification exam. After successfully passing the entry level CRT examination, graduates have three years to attempt a two-part advanced practitioner examination, also administered by the NBRC. The exam consists of separate written and clinical simulation components. Successful completion of this assessment earns the student the Registered Respiratory Therapist (RRT) credential.

**Clinical Sites:** According to TRE, potential clinical sites for the Respiratory Therapy program are as follows: Prattville Baptist Hospital; Baptist Hospital South; Jackson Hospital; Noland Hospital (affiliate of Jackson Hospital); Vaughn Regional Medical Center; Woodley Manor Health and Rehabilitation; Capitol Hill Healthcare Center; Cedar Crest; Hillview Terrace; Central Alabama Veterans Hospital; and Troy Regional Medical Center.

**Resources:** A total of \$928,261 in estimated new funds will be needed for the program in the first five years, and a total of \$1,087,832 will be available through internal reallocation and tuition.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. TRE received a letter of support from Baptist Health Hospital President and CEO supporting the proposed Respiratory Therapy program.
2. During the ten-year period 2014 to 2024, there will be a 12 percent increase in the demand for Respiratory Therapists nationally, and a 24 percent increase in Alabama.
3. A Title III-B grant has been awarded to fund internal reallocations for the proposed program.

DECISION ITEM B-8: Trenholm State Community College, Associate in Applied Science in Respiratory Therapy (CIP 51.0908)

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: That the Commission approve the proposed Associate in Applied Science in Respiratory Therapy.

The program will have the implementation date and post-implementation conditions listed below.

Implementation Date: The proposed program will be implemented August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years will be at least 9, based on the proposal.
2. That the annual average number of graduates for the period 2018-19 through 2021-22 (four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Trenholm State Community College (TRE) will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Curriculum for Proposed Program, attached.
3. Trenholm State Community College proposal, dated September 9, 2016. Available upon request.



4. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.

**Attachment 1**

INSTITUTION Trenholm State Community College

PROGRAM Associate in Applied Science in Respiratory Therapy (CIP 51.0908)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$89,016	\$89,016	\$113,399	\$202,415	\$202,415	\$696,261
LIBRARY	\$5,000	\$5,000	\$5,000	\$0	\$0	\$15,000
FACILITIES	\$0	\$0	\$0	\$0	\$0	\$0
EQUIPMENT	\$127,000	\$0	\$0	\$0	\$0	\$127,000
STAFF	\$0	\$0	\$0	\$0	\$0	\$0
OTHER	\$50,000	\$10,000	\$10,000	\$10,000	\$10,000	\$90,000
<b>TOTAL</b>	<b>\$271,016</b>	<b>\$104,016</b>	<b>\$128,399</b>	<b>\$212,415</b>	<b>\$212,415</b>	<b>\$928,261</b>

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
INTERNAL REALLOCATIONS	\$216,390	\$0	\$0	\$0	\$0	\$216,390
EXTRAMURAL	\$0	\$0	\$0	\$0	\$0	0
TUITION	\$54,626	\$132,990	\$206,778	\$232,804	\$244,244	\$871,442
<b>TOTAL</b>	<b>\$271,016</b>	<b>\$132,990</b>	<b>\$206,778</b>	<b>\$232,804</b>	<b>\$244,244</b>	<b>\$1,087,832</b>

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	5	13	20	20	22	16
NEW ENROLLMENT HEADCOUNT	5	8	10	10	12	9
						4-YEAR AVERAGE
DEGREE COMPLETION PROJECTIONS	0	4	7	10	10	8

**Attachment 2**

**Trenholm State Community College  
 Associate in Applied Science in  
 Respiratory Therapy**

PRE PROFESSIONAL MAJOR COURSES			
Course Area	Course Name	Area	Credit Hours
RPT 210	Clinical Practical	Area V	2
RPT 211	Introduction to Respiratory Care	Area V	2
RPT 212	Fundamentals of Respiratory Care I	Area V	4
RPT 213	Anatomy & Physiology for Respiratory Care Provider	Area V	3
RPT 214	Pharmacology for Respiratory Care Provider	Area V	2
RPT 220	Clinical Practice II	Area V	2
RPT 221	Pathology for Respiratory Care Provider I	Area V	3
RPT 222	Fundamentals of Respiratory Care II	Area V	4
RPT 223	Acid Base Regulations & Arterial Blood Gas Analysis	Area V	2
RPT 230	Clinical Practice III	Area V	2
RPT 231	Pathology for the Respiratory Care Provider II	Area V	3
RPT 232	Diagnostic Procedures for Respiratory Care Provider	Area V	2
RPT 233	Special Procedures for the Respiratory Care Provider	Area V	2
RPT 234	Mechanical Ventilation for the Respiratory Care Provider	Area V	4
RPT 240	Clinical Practice IV (Internship)	Area V	4
RPT 241	Pulmonary Rehabilitation & Home Care	Area V	2
RPT 242	Perinatal/Pediatric Respiratory Care	Area V	3
RPT 243	Computer Applications for Respiratory Care Provider	Area V	2
RPT 244	Critical Care Considerations for Respiratory Care Provider	Area V	2
RPT 254	Patient Assessment Tech for Respiratory Care Provider	Area V	2

Total = 52

Program Completion Requirements:

- Credit hours required in major (skills emphasis); 52
- Credit hours in institutional general education or core curriculum; 23
- Credit hours in required or free electives; 1
- Credit hours for each option, concentration, specialization, track; and
- Total credit hours required for completion. 76

DECISION ITEM B-9: Jefferson State Community College, Associate in Applied Science in Respiratory Therapy (CIP 51.0908)

### **EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

#### **Program Objectives:**

Objective 1: Begin an Associate of Applied Science Degree in Respiratory Therapy program to increase the healthcare program offerings to students in Jefferson State's service area.

Objective 2: Hire appropriately credentialed and competent instructors to provide students with the educational requirements and skills necessary to succeed as a respiratory therapist.

Objective 3: Provide the healthcare community with qualified, highly skilled, entry-level therapists proficient in all technical skills required in carrying out respiratory care.

Objective 4: Obtain accreditation of the RT program through the *Committee on Accreditation for Respiratory Care* (CoARC), with a goal of achieving accreditation within three (3) years of the program start date.

Objective 5: Demonstrate proficiency by which 80 percent of graduates of the RT program will successfully pass the entry level certified respiratory therapy (CRT) examination.

Objective 6: Obtain contractual agreements for the clinical component of the RT program arranged by Jefferson State Community College with local healthcare providers, which may include some or all of the following: hospitals, rehabilitation centers, skilled nursing facilities, and home health agencies.

Objective 7: Provide a highly skilled workforce in which students will demonstrate the ability to assess, plan, implement and evaluate the appropriate care needed by clients.

Objective 8: Show sustainability by which 80 percent of graduates of the RT program will be employed in field (or in a related field of study) within six months of graduation.

Objective 9: Demonstrate program success through 90 percent positive graduate evaluations completed and returned by employers.

Objective 10: Establish an advisory committee, which will be convened two times each year to provide workforce expertise and guidance for program growth and development.

**Role:** The proposed program is within the instructional role recognized for Jefferson State Community College (JSC).

**Mode of Delivery:** Due to the hands-on nature and clinical components of the proposed program, the program will not be offered online.

**Similar Programs:** The following colleges have Respiratory Therapy programs: Shelton State Community College (C, AAS); Wallace State Community College (Dothan) (C, AAS); and Wallace State Community College (Hanceville) (AAS).

**Collaboration:** According to JSC officials, collaboration will not be feasible at this time because the closest program is 60 miles away.

**Licensure:** Respiratory Therapy licensure is required for all states, except Alaska & Hawaii. In order to be eligible for a state license, a graduate must earn the Certified Respiratory Therapist title (CRT) from the National Board for Respiratory Care (NBRC). All graduates from accredited programs are eligible to take the certification exam. After successfully passing the entry level CRT examination, graduates have three years to attempt a two-part advanced practitioner examination, also administered by the NBRC. The exam consists of separate written and clinical simulation components. Successful completion of this assessment earns the student the Registered Respiratory Therapist (RRT) credential.

**Clinical Sites:** According to JSC, potential clinical sites for the Respiratory Therapy program are as follows: Birmingham VA; Children's of Alabama; UAB Hospital; St. Vincent Birmingham; Brookwood Baptist Health; Brookwood Baptist-Princeton Baptist Medical Center; and Brookwood Baptist-Shelby Baptist Medical Center.

**Resources:** A total of \$856,261 in estimated new funds will be needed for the program in the first five years, and a total of \$801,261 will be available through internal reallocation and tuition.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. JSC has received several letters of support from hospitals in the Birmingham area supporting the proposed Respiratory Therapy program.
2. According to the program application, discussions with area hospitals indicate several vacant job openings with some maintaining vacancies for over one year. The University of Alabama at Birmingham hospital currently has 14 vacancies and hires 25-40 respiratory therapy employees a year.

DECISION ITEM B-9: Jefferson State Community College, Associate in Applied Science in Respiratory Therapy (CIP 51.0908)

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: That the Commission approve the proposed Associate in Applied Science in Respiratory Therapy.

The program will have the implementation date and post-implementation conditions listed below.

Implementation Date: The proposed program will be implemented January 2018. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years will be at least 10, based on the proposal.
2. That the annual average number of graduates for the period 2019-20 through 2022-23 (four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Jefferson State Community College (JSC) will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than February 1, 2023.

Supporting Documentation:

1. New Academic Degree Program Proposal Summary, attached.
2. Curriculum for Proposed Program, attached.
3. Jefferson State Community College proposal, dated December 7, 2016. Available upon request.
4. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin.

ALABAMA COMMISSION ON HIGHER EDUCATION  
Friday, March 10, 2017

Code (Commission on Higher Education), r. 300-2-1-.03.  
Available upon request.

**Attachment 1**

INSTITUTION Jefferson State Community College

PROGRAM Associate in Applied Science in Respiratory Therapy (CIP 51.0908)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2018-19	2019-20	2020-21	2021-22	2022-23	TOTAL
FACULTY	\$89,016	\$89,016	\$113,399	\$202,415	\$202,415	\$696,261
LIBRARY	\$5,000	\$5,000	\$5,000	\$0	\$0	\$15,000
FACILITIES	\$0	\$0	\$0	\$0	\$0	\$0
EQUIPMENT	\$55,000	\$0	\$0	\$0	\$0	\$55,000
STAFF	\$0	\$0	\$0	\$0	\$0	\$0
OTHER	\$50,000	\$10,000	\$10,000	\$10,000	\$10,000	\$90,000
<b>TOTAL</b>	<b>\$199,016</b>	<b>\$104,016</b>	<b>\$128,399</b>	<b>\$212,415</b>	<b>\$212,415</b>	<b>\$856,261</b>

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2018-19	2019-20	2020-21	2021-22	2022-23	TOTAL
INTERNAL REALLOCATIONS	\$154,024	\$19,656	\$32,791	\$105,559	\$94,311	\$351,341
EXTRAMURAL	\$0	\$0	\$0	\$0	\$0	0
TUITION	\$44,992	\$84,360	\$95,608	\$106,856	\$118,104	\$449,920
<b>TOTAL</b>	<b>\$199,016</b>	<b>\$104,016</b>	<b>\$128,399</b>	<b>\$212,415</b>	<b>\$212,415</b>	<b>\$856,261</b>

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2018-19	2019-20	2020-21	2021-22	2022-23	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	8	15	17	19	21	16
NEW ENROLLMENT HEADCOUNT	8	9	10	11	12	10
						4-YEAR AVERAGE
DEGREE COMPLETION PROJECTIONS	0	6	7	8	9	8



**Attachment 2**  
**Jefferson State Community College**  
**Associate in Applied Science in**  
**Respiratory Therapy**

Prerequisite Courses	Course	Total credits	Theory/Lecture Hours	Lab Hours	Clinical Hours	Total Contact Hours
ENG 101	English Composition I	3	3	0	0	3
MTH 100	Intermediate College Algebra or higher	3	3	0	0	3
BIO 201	Anatomy & Physiology I	4	3	2	0	5
	<b>Semester Total</b>	<b>10</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>11</b>

First Semester	Course					
BIO 202	Human & Anatomy II	4	3	2	0	5
RPT 210	Clinical Practice I	2	0	0	10	10
RPT 211	Introduction to Respiratory Care	2	2	0	0	2
RPT 212	Fundamentals of Respiratory Care I (Lab2:1)	4	2	4	0	6
RPT 213	Anatomy and Physiology for the RCP	3	3	0	0	3
RPT 214	Pharmacology for the RCP	2	2	0	0	2
	<b>Total Credit Hours</b>	<b>17</b>	<b>12</b>	<b>6</b>	<b>10</b>	<b>28</b>

Second Semester	Course					
RPT 220	Clinical Practice II	2	0	0	10	10
RPT 221	Pathology for the RCP I	3	2	2	0	4
RPT 222	Fundamentals of Respiratory Care II	4	2	4	0	6
RPT 223	Acid Base Regulation and Arterial Blood Gas Analysis	2	2	0	0	2
	<b>Total Credit Hours</b>	<b>11</b>	<b>6</b>	<b>6</b>	<b>10</b>	<b>22</b>

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Third Semester	Course					
CIS 146	Microcomputer Applications	3	3	0	0	3
PSY 200	General Psychology	3	3	0	0	3
RPT 231	Pathology for the RCP II	3	2	2	0	4
RPT 234	Mechanical Ventilation for the RCP	4	2	4	0	6
RPT 254	Patient Assessment Techniques	2	1	0	1	2
	<b>Total Credit Hours</b>	<b>15</b>	<b>11</b>	<b>6</b>	<b>1</b>	<b>18</b>

Fourth Semester	Course					
SPH 106 or 107	Speech	3	3	0	0	3
Humanities Fines Arts Elective		3	3	0	0	3
RPT 230	Clinical Practice III	2	0	0	10	10
RPT 232	Diagnostic Procedures for the RCP	2	1	2	0	3
RPT 242	Perinatal/Pediatric Respiratory Care	3	2	2	0	4
RPT 244	Critical care considerations for the RCP	2	2	0	0	2
	<b>Total Credit Hours</b>	<b>15</b>	<b>11</b>	<b>4</b>	<b>10</b>	<b>25</b>

Fifth Semester	Course					
RPT 233	Special Procedure for the RCP	2	2	0	0	2
RPT 240	Clinical Practice IV	4	0	0	20	20
RPT 241	Pulmonary Rehabilitation and Homecare	2	2	0	0	2
RPT 243	Computer Applications for the RCP	2	0	4	0	4
	<b>Total Credit Hours</b>	<b>8</b>	<b>4</b>	<b>4</b>	<b>20</b>	<b>26</b>

**Program Totals**

<b>Credit Hours:</b>	<b>76</b>
<b>Total Contact Hours:</b>	<b>1950 (130X15)</b>
<b>General Education Hours:</b>	<b>26</b>
<b>Respiratory Therapy Hours:</b>	<b>50</b>

DECISION ITEM B-10: Shelton State Community College, Associate in Applied Science and Certificate in Salon and Spa Management (CIP 12.0412)

**EXECUTIVE SUMMARY**

**Reason for Action:** The Code of Alabama, 16-5-8 (c) states that the governing boards of public institutions of higher education in this state and the campuses under their governance or supervision shall not undertake the establishment of a new unit or program of instruction for academic credit with state funds before submitting plans for the new unit or program to the commission for its review, evaluation, and approval.

**Program Objective:** The primary objectives of the Salon and Spa Management Associate's program include: (1) providing graduates with a foundational understanding of the business policies and practices required to operate Salons and Spas, (2) ensuring sufficient proficiency is obtained by graduates to acquire a State of Alabama Board of Cosmetology & Barbering license(s) which is necessary to obtain in-field employment.

**Role:** The proposed program is within the instructional role for Shelton State Community College (SHC).

**Mode of Delivery:** Due to the hands-on nature of the program, the proposed program will not be offered online.

**Similar Programs:** The following institutions have Salon and Spa Management AAS programs: Calhoun Community College; Drake State Community and Technical College; Northeast Alabama Community College; Northwest Shoals Community College; Wallace State Community College (Hanceville); and Gadsden State Community College.

**Collaboration:** According to SHC officials, due to the extensive travel time to other institutions for residents in SHC's service area, collaboration will not be sought at this time.

**Licensure:** According to the application, the Alabama Board of Cosmetology and Barbering is the administering and licensing body for the following options within the program: Barbering; Cosmetology; Esthetics; Instructor; and Nail Technology. With each option, SHC has established a 95 percent licensure examination passage rate for students in the program.

**Resources:** No new funds will be needed for the program in the first five years, and a total of \$391,698 will be available through tuition.

**Public Review:** The program was posted on the Commission website from January 10 until January 30 (twenty days) for public review and comments. No comments were received.

**Rationale for Staff Recommendation:**

1. The proposed Salon and Spa Management program will have options in Barbering; Cosmetology; Esthetics; Instructor; and Nail Technology.

DECISION ITEM B-10: Shelton State Community College, Associate in Applied Science and Certificate in Salon and Spa Management (CIP 12.0412)

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: That the Commission approve the proposed Associate in Applied Science in Salon and Spa Management.

The program will have the implementation date and post-implementation conditions listed below.

Implementation Date: The proposed program will be implemented August 2017. Based on Commission policy, the proposed program must be implemented by March 10, 2019, or Commission approval will expire. The institution must notify the Commission in writing when the program is implemented or if there is any delay in implementation.

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years will be at least 10, based on the proposal.
2. That the annual average number of graduates for the period 2018-19 through 2021-22 (four-year average) will be at least 8, based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Shelton State Community College (SHC) will be required to phase out the program if any of the post-implementation conditions are not met. The institution must present documentation regarding the post-implementation conditions, as well as a general assessment of the program, in a report submitted to the Commission no later than September 1, 2022.

Supporting Documentation:

1. New Academic Degree Program Application Summary, attached.
2. Summary of Background Information, attached.
3. Curriculum for Proposed Program, attached.

4. Shelton State Community College proposal, dated December 8, 2016. Available upon request.
5. "Evaluation and Review of New Instructional Program Proposals of Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.03. Available upon request.

**Attachment 1**

INSTITUTION Shelton State Community College

PROGRAM Associate in Applied Science and Certificate in Salon and Spa Management (CIP 12.0412)

**ESTIMATED NEW FUNDS REQUIRED TO SUPPORT PROPOSED PROGRAM**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
FACULTY	\$0	\$0	\$0	\$0	\$0	\$0
LIBRARY	\$0	\$0	\$0	\$0	\$0	\$0
FACILITIES	\$0	\$0	\$0	\$0	\$0	\$0
EQUIPMENT	\$0	\$0	\$0	\$0	\$0	\$0
STAFF	\$0	\$0	\$0	\$0	\$0	\$0
OTHER	\$0	\$0	\$0	\$0	\$0	\$0
TOTAL	\$0	\$0	\$0	\$0	\$0	\$0

**SOURCES OF FUNDS AVAILABLE FOR PROGRAM SUPPORT**

	2017-18	2018-19	2019-20	2020-21	2021-22	TOTAL
INTERNAL REALLOCATIONS	\$0	\$0	\$0	\$0	\$0	\$0
EXTRAMURAL	\$0	\$0	\$0	\$0	\$0	\$0
TUITION	\$39,168	\$73,440	\$83,232	\$93,042	\$102,816	\$391,698
TOTAL	\$39,168	\$73,440	\$83,232	\$93,042	\$102,816	\$391,698

**ENROLLMENT AND DEGREE COMPLETION PROJECTIONS**

	2017-18	2018-19	2019-20	2020-21	2021-22	5-YEAR AVERAGE
TOTAL HEADCOUNT ENROLLMENT	8	15	17	19	21	16
NEW ENROLLMENT HEADCOUNT	8	9	10	11	12	10
DEGREE COMPLETION PROJECTIONS	0	6	7	8	9	8

**Attachment 3**

**SHC  
Associate in Applied Science and Certificate in  
Salon and Spa Management**

**Salon & Spa Management Associate in Applied Science Degree-Barbering Option**

**Area I- Written Composition: 3 credit hours**

- ENG 101-English Composition I

**Area II- Speech, Humanities and Fine Arts: 6 credit hours**

- SPH 106-Fundamentals of Oral Communication or SPH 107-Fundamentals of Public Speaking
- Humanities or Fine Arts Elective

**Area III- Natural Science and Mathematics: 9 credit hours**

- MTH 100-Intermediate College Algebra or MTH 116-Mathematical Applications or higher math course
- CIS 146-Microcomputer Applications
- Computer Science, Math, or Natural Science Elective

**Area IV- History, Social and Behavioral Sciences: 3 credit hours**

- PSY 200-General Psychology or SOC 200-Introduction to Sociology

**Area V- Field of Study Courses: 45 credit hours**

- SAL 133 Salon Management Technology
- SAL 201 Entrepreneurship for Salon and Spa Management
- BAR 108 Introduction to Barbering
- BAR 111 Introduction to Barbering Lab
- BAR 112 Science of Barbering
- BAR 113 Fundamentals of Barbering Applications
- BAR 143 State Board Review
- BAR 114 Barber Styling Lab
- BAR 115- Cutting and Styling Techniques
- BAR 120- Properties of Chemistry
- BAR 121- Chemical Hair Processing
- BAR 122- Hair Coloring Chemistry
- BAR 124- Hair Coloring Methodology Lab
- BAR 133- Styling and Management Lab
- BAR 140- Practicum I (2 credit hours)
- ORI 101-Orientation

**Total Required for AAS-BAR Degree: 66 credit hours**



**Salon & Spa Management Certificate- Barbering Option**

**Field of Study Courses: 41 credit hours**

SAL 133- Salon Management Technology  
BAR 108 Introduction to Barbering  
BAR 111 Introduction to Barbering Lab  
BAR 112 Science of Barbering  
BAR 113 Fundamentals of Barbering Applications  
BAR 143 State Board Review  
BAR 114 Barber Styling Lab  
BAR 115- Cutting and Styling Techniques  
BAR 120- Properties of Chemistry  
BAR 121- Chemical Hair Processing  
BAR 122- Hair Coloring Chemistry  
BAR 124- Hair Coloring Methodology Lab  
BAR 133- Styling and Management Lab  
BAR 140- Practicum I (2 credit hours)

**General Studies Courses: 13 credit hours**

ORI 101 Orientation  
CIS 146 Microcomputer Applications  
SPH 106 Fundamentals of Oral Communication or SPH 107 Fundamentals of Public Speaking  
MTH 100 Intermediate College Algebra or higher math course  
ENG 101 English Composition

**Certificate-BAR Total Credit Hours: 54**

**Salon and Spa Management Associates in Applied Science Degree-Cosmetology Option**

**Area I- Written Composition: 3 credit hours**

- ENG 101-English Composition I

**Area II- Speech, Humanities and Fine Arts: 6 credit hours**

- SPH 106-Fundamentals of Oral Communication or SPH 107-Fundamentals of Public Speaking
- Humanities or Fine Arts Elective

**Area III- Natural Science and Mathematics: 9 credit hours**

- MTH 100-Intermediate College Algebra or MTH 116-Mathematical Applications or higher math course
- CIS 146-Microcomputer Applications
- Computer Science, Math, or Natural Science Elective

**Area IV- History, Social and Behavioral Sciences: 3 credit hours**

- PSY 200-General Psychology or SOC 200-Introduction to Sociology

**Area V- Field of Study Courses: 46 credit hours**

- SAL 133 Salon Management Technology
- SAL 201 Entrepreneurship for Salon and Spa Management
- COS 111 Introduction to Cosmetology
- COS 112 Introduction to Cosmetology Lab
- COS 113 Theory of Chemical Services
- COS 114 Chemical Services Lab
- COS 115 Hair Coloring Theory
- COS 116 Hair Coloring Lab
- COS 117 Basic Spa Techniques
- COS 118 Basic Spa Techniques Lab
- COS 167 State Board Review
- COS 123 Cosmetology Salon Practices
- COS 143 Specialty Hair Preparation Techniques
- COS 144 Hair Shaping and Design
- COS 190 Internship in Cosmetology
- ORI 101-Orientation

**Total Required for AAS-COS Degree: 67 credit hours**

**Salon & Spa Management Certificate- Cosmetology Option**

**Field of Study Courses: 42 credit hours**

SAL 133 Salon Management Technology  
COS 111 Introduction to Cosmetology  
COS 112 Introduction to Cosmetology Lab  
COS 113 Theory of Chemical Services  
COS 114 Chemical Services Lab  
COS 115 Hair Coloring Theory  
COS 116 Hair Coloring Lab  
COS 117 Basic Spa Techniques  
COS 118 Basic Spa Techniques Lab  
COS 123 Cosmetology Salon Practices  
COS 143 Specialty Hair Preparation Techniques  
COS 144 Hair Shaping and Design  
COS 167 State Board Review  
COS 190 Internship in Cosmetology

**General Studies Courses: 13 credit hours**

ORI 101 Orientation  
CIS 146 Microcomputer Applications  
SPH 106 Fundamentals of Oral Communication or SPH 107 Fundamentals of Public Speaking  
MTH 100 Intermediate College Algebra or higher math course  
ENG 101 English Composition

**Certificate-COS Total Credit Hours: 55**

**Salon & Spa Management Associate in Applied Science Degree- Esthetics Option**

**Area I- Written Composition: 3 credit hours**

- ENG 101-English Composition I

**Area II- Speech, Humanities and Fine Arts: 6 credit hours**

- SPH 106-Fundamentals of Oral Communication or SPH 107-Fundamentals of Public Speaking
- Humanities or Fine Arts Elective

**Area III- Natural Science and Mathematics: 9 credit hours**

- MTH 100-Intermediate College Algebra or MTH 116-Mathematical Applications or higher math course
- CIS 146-Microcomputer Applications
- Computer Science, Math, or Natural Science Elective

**Area IV- History, Social and Behavioral Sciences: 3 credit hours**

- PSY 200-General Psychology or SOC 200-Introduction to Sociology

**Area V- Field of Study Courses: 43 credit hours**

- SAL 133 Salon Management Technology
- SAL 201 Entrepreneurship for Salon and Spa Management
- COS 123 Cosmetology Salon Practices
- COS 134 Advanced Esthetics
- COS 135 Advanced Esthetics Applications
- COS 158 Employability Skills
- COS 163 Facial Treatments
- COS 164 Facial Machines
- COS 165 Related Subjects Estheticians
- COS 166 Skin care Bacteriology and Sanitation
- COS 167 State Board Review
- COS 168 Bacteriology & Sanitation
- COS 169 Skin Functions
- COS 190 Internship in Cosmetology
- ORI 101-Orientation

**Total Required for AAS-EST Degree: 64 credit hours**

**Salon & Spa Management Certificate- Esthetics Option**

**Field of Study Courses: 39 credit hours**

SAL 133 Salon Management Technology  
COS 123 Cosmetology Salon Practices  
COS 134 Advanced Esthetics  
COS 135 Advanced Esthetics  
COS 158 Employability Skills  
COS 163 Facial Treatments  
COS 164 Facial Machine  
COS 165 Related Subjects Estheticians  
COS 166 Skin Care Bacteriology and Sanitation  
COS 167 State Board Review  
COS 168 Bacteriology & Sanitation  
COS 169 Skin functions  
COS 190 Internship in Cosmetology

**General Studies Courses: 13 credit hours**

ORI 101 Orientation  
CIS 146 Microcomputer Applications  
SPH 106 Fundamentals of Oral Communication or SPH 107 Fundamentals of Public Speaking  
MTH 100 Intermediate College Algebra or higher math course  
ENG 101 English Composition

**Certificate-Esthetics Total Credit Hours: 52**

**Salon & Spa Management Certificate- Nail Technology**

**Field of Study Courses: 30 credit hours**

SAL 133 Salon Management Technology  
COS 123 Cosmetology Salon practices  
COS 151 Nail Care  
COS 152 Nail Care Applications  
COS 153 Nail Art  
COS 154 Nail Art Application Lab  
COS 158 Employability Skills  
COS 167 State Board Review  
COS 142 Applied Chemistry for Cosmetology  
COS 190 Internship in Cosmetology

**General Studies Courses: 13 credit hours**

ORI 101 Orientation  
CIS 146 Microcomputer Applications  
SPH 106 Fundamentals of Oral Communication or SPH 107 Fundamentals of Public Speaking  
MTH 100 Intermediate College Algebra or higher math course  
ENG 101 English Composition

**Certificate-Nail Technology Total Credit Hours: 43**

**Salon & Spa Management Short-term Certificate- Cosmetology Instructor Training Option**

**Field of Study Courses: 27 credit hours**

SAL 133 Salon Management Technology

SAL 201 Entrepreneurship for Salon and Spa Management

CIT 211 Teaching and Curriculum

CIT 212 Teacher Mentorship

CIT 213 Cosmetology Instructor Co-op Lab

CIT 221 Lesson Plan Implementation Lab

CIT 222 Audio Visual Materials and Methods

CIT 223 Audio Visual Materials and Methods Applications

COS/CIT Elective

**Certificate-CIT Total Credit Hours: 27**

DECISION ITEM C-1: University of Montevallo, Addition of Concentrations in Allied Health and Strength and Conditioning to the BS in Kinesiology (CIP 31.0501)

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: That the Commission approve the proposed two concentrations as reasonable extensions/alterations of an existing program.

Background: The University of Montevallo (UM) currently has the Bachelor of Science (BS) in Kinesiology at CIP 31.0501 in the Academic Program Inventory. UM is moving the Kinesiology program from CIP 31.0501 to CIP 31.0505 and changing the name from Kinesiology to Exercise and Nutrition Science.

<u>31.0501</u>	<del>Kinesiology</del>
<u>31.0505</u>	<u>Exercise and Nutrition Science</u>

The program with the Allied Health concentration will require 120 semester hours (sh):

General Education	47 sh
Program Core	21 sh
Concentration	36 sh
Electives	16 sh
Total	120 sh

Courses in the program core consists of the following seven courses: Survey of Kinesiology (2 hours); Fundamentals of Exercise Physiology (3 hours); Intro to Nutrition (3 hours); Sports Nutrition (3 hours); Physiology of Exercise (4 hours); Pharmacology (3 hours); and Counseling and Wellness (3 hours).

Among the courses in the proposed Allied Health concentration are: Care and Prevention of Athletic Injuries; Motor Development; First Aid/Prevention; Principles of Biomechanics; Exercise Testing & Evaluation; and Exercise & Wellness for Senior Adults.

The program with the Strength and Conditioning concentration will require 120 semester hours (sh):

General Education	55 sh
Program Core	21 sh
Concentration	36 sh
Electives	8 sh
Total	120 sh

Among the courses in the proposed Strength and Conditioning concentration are courses such as Advanced Sports Testing and Evaluation; Seminar in Exercise and Nutrition Sciences; Clinical Testing and



Interpretation; Internship; Exercise Program Design; and Strength and Conditioning.

According to UM officials, the projected employment outlook for exercise physiologists is 11 percent faster than average, for physical therapists is 34 percent faster than average, and for strength and conditioning trainers is steady at an average of 8 percent.

- **Budgetary Impact:** No additional resources will be needed.

Consistent with Commission policy and operational definitions, the concentrations will not be identified separately in the Commission's Academic Program Inventory, and the institution may not identify them as degree programs.

The staff recommends that the proposed two concentrations be approved as reasonable extensions/alterations of an existing program.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.
2. "Definitions Recognized by the Commission," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.01. Available upon request.
3. Written unpublished documentation provided by the institution. Available upon request.

**DECISION ITEM C-2:** Alabama A&M University, Addition of a Concentration in Cybersecurity to the Existing BS in Computer Science (CIP 11.0101)

**Staff Presenter:** Ms. Margaret Pearson  
Academic Program Review Analyst

**Staff Recommendation:** That the Commission approve the proposed concentration as a reasonable extension/alteration of an existing program.

**Background:** Alabama A&M University (AAM) has the BS in Computer Science at CIP 11.0101 in the Commission's Academic Program Inventory. AAM has proposed the addition of concentration in Cybersecurity to the existing program.

The program with the concentration will require a total of 129 semester hours (sh):

General Education	34 sh
Program Core	63 sh
Electives	11 sh
Concentration	21 sh
Total	129 sh

The program core will include courses such as Intro to Computer and Ethics; Intro to Programming I and II; Discrete Structures; Visual Programming I; and Intro to Digital Logic Design.

Courses in the concentration are the following: Principles of Information Security; Computer Organization; Operating Systems; Cryptography; Forensic Computing; Computer Security; and Intro to Database Systems.

According to AAM officials, Cybersecurity is one the fastest growing fields and has the projected rate of job growth of about 28 percent until the year 2020.

**Budgetary Impact: None.**

Consistent with Commission policy and operational definitions, the concentration will not be identified separately in the Commission's Academic Program Inventory, and the institution may not identify it as a degree program.

The staff recommends that the proposed concentration be approved as a reasonable extension/alteration of an existing program.

**Supporting Documentation:**

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.

2. "Definitions Recognized by the Commission," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.01. Available upon request.
3. Written unpublished documentation provided by the institution. Available upon request.

DECISION ITEM C-3: Auburn University, Alteration of the Pharm.D. in Pharmacy (CIP 51.2001)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the proposed alteration as a reasonable extension/alteration of an existing program.

Background: Auburn University (AU) currently offers a Doctor of Pharmacy (Pharm.D.) in at CIP 51.2001 in the Commission's Academic Program Inventory.

While the goal, major topics, and key content areas of the Auburn University, Harrison School of Pharmacy, Doctor of Pharmacy program will remain essentially the same, there will be two key changes to the existing Pharm.D. curriculum.

- First, the organization and structure of the courses will be altered, especially during the first three years of the curriculum. Every course in the existing curriculum will be affected in some way (100 percent). There are currently 42 courses in the curriculum. Of those, 26 (62 percent) will be deleted and replaced by new courses. The remaining 16 courses (38 percent) will remain the same, but will have changes in their Course Prefix, Course Number, or Course Name.
- The second key change will be that the overall number of credit hours to complete the Pharm.D. degree will increase from 141 to 158. This represents an increase of 12 percent in the total credit hours for the program. The credit hour increase is needed because new curricular and co-curricular requirements specified by the Accreditation Council for Pharmacy Education (ACPE) in their 2016 Standards would be extremely difficult or impossible to meet with the current number of credit hours.
  - Many other Pharmacy Schools have already increased their total credit hours in anticipation of the new requirements. For example, the University of Mississippi Pharm.D. requires 114 credit hours in the first three years of the program, while Auburn's would be 115 in the revised curriculum. Mississippi does not list the hours for the fourth year of their program, but assuming it is 40 hours, their total credit hour requirement would be 154. The University of Texas Pharm.D. program is currently 156 semester hours. The University of Iowa's new curriculum, which

began in 2015, is now approximately 154 semester hours.

The revised program is stated to better align with the new 2016 Standards by the Accreditation Council for Pharmacy Education (ACPE) and to be more in line with the School's Practice Ready Vision that was developed by the faculty. The 2016 ACPE Standards place an emphasis on producing Doctor of Pharmacy graduates who have a much broader and more holistic set of abilities than past graduates. In addition, ACPE is requiring that Doctor of Pharmacy students have much greater exposure to inter-professional education and co-curricular learning activities.

In summary, the job of a Pharmacist has been changing and expanding for many years. The pace of change and breadth of expanded responsibilities will increase at an even more rapid rate in the next decade and beyond. Pharmacists in the future will have to master a much broader skillset, will have to work much more cooperatively with other health care professionals, and will have to understand the Pharmacist Patient Care Process and overall health care system in a much deeper and more profound manner in order to meet the changing demands of the profession and respond to societal needs.

As a result, traditional educational models and existing Pharmacy curricula are no longer sufficient. The application states that the revised Doctor of Pharmacy curriculum represents the Harrison School of Pharmacy's bold, reflective, and innovative attempt to respond to the changing role of the Pharmacist, meet new accreditation requirements, and to continue to produce outstanding Practice Ready pharmacists for our state, region, nation, and beyond.

AU plans to implement the new plan of study beginning in Fall 2017.

In Fall 2016, Auburn University's Graduate Council approved the proposal. The program has received the necessary approvals from both the Office of the Provost and AU's Board of Trustees.

Currently enrolled students will remain in the current curriculum and be required to complete 141 hours and will not be impacted by the requested change. The new 158 hour curriculum will start with the incoming Class of 2021 that will begin Pharmacy School in August, 2017.

**Budgetary Impact: None. The curriculum change will require no additional resources.**

Reporting Requirements

Upon approval of this staff recommendation, it should be understood that all reporting associated with the Pharm.D. in Pharmacy program should be reported in the same manner (CIP Code 51.2001 and academic level) as they were reported prior to this action.

The staff recommends that the proposed alteration be approved as a reasonable alteration to an existing program.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.
2. Combined and Current Revised Pharm.D. Curricula by Semester, attached.
3. "Definitions Recognized by the Commission," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.01. Available upon request.
4. Written unpublished documentation provided by the institution. Available upon request.

**Attachment 1  
 Combined Current and Revised Pharm.D. Curricula by Semester**

**COMBINED CURRENT & REVISED PHARM.D. CURRICULA  
 SHOWING CHANGES EACH SEMESTER**

First Professional Year					
PYPD 9200 / 9206	Integrated Learning Experience I	6	PYPD 9220 / 9226	Integrated Learning Experience III	6
PYPD 9210 / 9216	Integrated Learning Experience II	6	PYPD 9230 / 9236	Integrated Learning Experience IV	6
PPYD 9320 / 9326	Longitudinal Experience I	3	PPYD 9330 / 9336	Longitudinal Experience II	3
PYPD 9400 / 9406	Workshop I	1	PYPD 9410 / 9416	Workshop II	1
PYPD 9100 (was PYDI 9090)	Pharmacy Practice Experience I	2	PYPD 9110 (was PYDI 9190)	Pharmacy Practice Experience II	2
PYPD 9000 (was PYDI 9080)	Orientation (was Foundations of Pharmacy)	1	<del>PYDI 9100/9106</del>	<del>Drugs and Diseases II</del>	<del>5</del>
<del>PYDI 9000/9006</del>	<del>Drugs and Diseases I</del>	<del>5</del>	<del>PYDI 9140/9146</del>	<del>Principles of Pharmacokinetics</del>	<del>3</del>
<del>PYDI 9010/9016</del>	<del>Patient-Centered Skills</del>	<del>2</del>	<del>PYDI 9110/9116</del>	<del>Pharmacy Law and Ethics</del>	<del>2</del>
<del>PYDI 9020</del>	<del>Contemp Aspects of Pharm Prac I</del>	<del>2</del>	<del>PYDI 9120</del>	<del>Contemp Aspects of Pharm Prac II</del>	<del>2</del>
			<del>PYDI 9130/9136</del>	<del>Drug Literature</del>	<del>2</del>
<b>Total Hours</b>		<del>42</del> <b>19</b>	<b>Total Hours</b>		<del>46</del> <b>18</b>

Second Professional Year					
PYPD 9240 / 9246	Integrated Learning Experience V	6	PYPD 9260 / 9266	Integrated Learning Experience VII	6
PYPD 9250 / 9256	Integrated Learning Experience VI	6	PYPD 9270 / 9276	Integrated Learning Experience VIII	6
PPYD 9340 / 9346	Longitudinal Experience III	3	PPYD 9350 / 9356	Longitudinal Experience IV	3
PYPD 9420 / 9426	Workshop III	1	PYPD 9430 / 9436	Workshop IV	1
PYPD 9120 (was PYDI 9290)	Pharmacy Practice Experience III	2	PYPD 9130 (was PYDI 9390)	Pharmacy Practice Experience IV	2
	Elective *	1	-	Elective *	1
	Elective *	1	-	Elective *	1
<del>PYDI 9200/9206</del>	<del>Drugs and Diseases III</del>	<del>8</del>	<del>PYDI 9300/9306</del>	<del>Drugs and Diseases IV</del>	<del>8</del>
<del>PYDI 9210/9216</del>	<del>Phar-Prac-Dev, Manag &amp; Eval I</del>	<del>3</del>	<del>PYDI 9310/9316</del>	<del>Phar-Prac-Dev, Manag &amp; Eval II</del>	<del>3</del>
<del>PYDI 9220</del>	<del>Contemp Aspects of Pharm Prac III</del>	<del>2</del>	<del>PYDI 9320</del>	<del>Contemp Aspects of Pharm Prac IV</del>	<del>2</del>
<del>PYDI 9230/9236</del>	<del>Drug Products I</del>	<del>3</del>	<del>PYDI 9330/9336</del>	<del>Drug Products II</del>	<del>3</del>
<b>Total Hours</b>		<del>48</del> <b>18- 20</b>	<b>Total Hours</b>		<del>48</del> <b>18- 20</b>

**Attachment 1 (Continued)  
 Combined Current and Revised Pharm.D. Curricula by Semester**

Third Professional Year					
PYPD 9280 / 9286	Integrated Learning Experience IX	6	PYPD 9300 / 9306	Integrated Learning Experience XI	6
PYPD 9290 / 9296	Integrated Learning Experience X	6	PYPD 9310 / 9316	Integrated Learning Experience XII	6
PPYD 9360 / 9366	Longitudinal Experience V	3	PPYD 9370 / 9376	Longitudinal Experience VI	3
PYPD 9440 / 9446	Workshop V	1	PYPD 9450 / 9456	Workshop VI	1
PYPD 9140 (was PYDI 9490)	Pharmacy Practice Experience V	2	PYPD 9150 (was PYDI 9590)	Pharmacy Practice Experience VI	2
-	Elective *	1	-	Elective *	1
-	Elective *	1	-	Elective *	1
PYDI-9420	Contemp-Aspects-of Pharm-Prac-V	2	PYDI-9520	Contemp-Aspects-of Pharm-Prac-VI	2
PYDI-9470	Integrated Pharmacotherapy-I	6	PYDI-9570	Integrated Pharmacotherapy-III	6
PYDI-9480	Integrated Pharmacotherapy-II	6	PYDI-9680	Integrated Pharmacotherapy-IV	6
	Professional Electives	2		Professional Electives	2
<b>Total Hours</b>		<b>18</b>	<b>Total Hours</b>		<b>18</b>
		<b>18-20</b>			<b>18-20</b>

\* Students will complete 6 hours of electives

Fourth Professional Year (May through April)		
PYPD 9610 (was PYDI 9610)	Community Pharmaceutical Care	5
PYPD 9620 (was PYDI 9620)	Medicine I	5
PYPD 9640 (was PYDI 9640)	Primary/Ambulatory Care I	5
PYPD 9650 (was PYDI 9650)	Primary/Ambulatory Care II	5
PYPD 9660 (was PYDI 9660)	Health System Practice	5
PYPD 9670 (was PYDI 9670)	Practice Elective I	5
PYPD 9680 (was PYDI 9680)	Practice Elective II	5
PYPD 9690 (was PYDI 9690) OR	Drug Information - Selective OR	5
PYPD 9630 (was PYDI 9630)	Medicine II - Selective	
PYPD 9700	Summative Experience	3
PYDI-9690	Professional-Seminar	1
PYDI-9700	Adv-Prac-Exper-Professional Communications	0
<b>Total Hours (4<sup>th</sup> Year)</b>		<b>41</b>
		<b>43</b>
<b>Total Hours for Pharm.D Program</b>		<b>144</b>
		<b>158</b>



DECISION ITEM C-4: Auburn University, Addition of a Pre-Professional Option to the Existing MS in Biological Sciences – Non-Thesis (CIP 26.0101)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the proposed option as reasonable extension/alteration of an existing program.

Background: Auburn University currently has the Master of Science (MS) in Biological Sciences at CIP 26.0101 in the Commission's Academic Program Inventory. AU has proposed the addition of a Pre-Professional option to the existing program.

The entire program, including the option, is comprised of 30 semester hours.

The program core provides considerable course selection flexibility, to maximize student opportunity in attaining academic and employment goals, while still maintaining the pre-professional curriculum rigor and level of administrative uniformity/standardization.

More specifically, the program core consists of 26 semester hours. The 26 semester hours are taken from appropriate biology or biology related fields to include appropriate graduate classes at the Veterinary School, the Pharmacy School, the School of Forestry and Wildlife, the Departments of Animal Sciences, Fisheries, Nutrition, or Psychology.

The biology related courses must be distributed among the concentration areas of Microbiology, Physiology, Genetics, Cell Biology, and General Biology (the subject areas that constitute the modules of the final written exam) with no more than 3 courses in one area.

The program also consists of the following curricular components:

Program Core:	26 sh
Required:	4 sh
Electives:	N/A
Total	30 sh

The program required (option) courses consists of four (4) semester hours of BIOL 7960, Special Problems in Biology.

According to the application, many of the students in the existing MS-Non-Thesis (NT) degree have, in fact, been students with the goal of getting into a health related professional program. The Biology department has a

long, successful track record of placing its MS-NT graduates in these professional programs.

Although students have utilized the MS-NT degree for this specific outcome, the program, at present, is variable and not specifically designed to best assist this discrete pool of students in achieving their desired outcome.

The proposed MS-NT degree option has an explicit title (i.e. Pre-Professional MS-NT degree program) as well as a more structured format to best allow this unique pool of students to get the directed guidance and feedback they require to raise their competitiveness for acceptance into health-related professional programs.

The present MS-NT degree administrative structure requires individual graduate committees, with individual major professors, with an idiosyncratic final oral exam. This format is extremely individualized and variable and does not provide a "cohort" experience. There are few faculty willing to serve on these individual committees. Thus, under this structure, AU asserts, it can provide this guidance and preparation to only a few students.

AU is proposing a more administratively standardized program that still permits students flexibility and rigor in their biological sciences curriculum, but allows AU to service a greater number of students with these specific and similar life goals. Additionally, having a distinct title for this targeted program will raise the prominence and prestige of AU's MS-NT degree program (which has been historically successful in placing graduates). Finally, having a titled program with the specified outcomes will allow AU to recruit more underrepresented students, who tend to have very career oriented goals in health related fields, into the graduate program.

In sum, the proposed MS-NT degree option has an explicit title (i.e. the PreProfessional MS-NT option), as well as a more structured format, allowing this unique pool of students to get the best directed guidance and feedback they require to raise their competitiveness for acceptance into health-related professional programs.

**Budgetary Impact:** One month Summer Salary for the Program Coordinator and one semester of Graduate Assistant support for a graduate

student to coordinate administering and grading of final exit exams, as well as maintaining a test bank.

Consistent with Commission policy and operational definitions, the option will not be identified separately in the Commission's Academic Program Inventory, and the institution may not identify it as a degree program.

The staff recommends that the proposed option be approved as reasonable extension/alteration of an existing program.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.
2. "Definitions Recognized by the Commission," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.01. Available upon request.
3. Written unpublished documentation provided by the institution. Available upon request.

DECISION ITEM C-5: Lurleen B. Wallace Community College, Addition of Options in Industrial Systems and Electromechanical to the Existing AAS in Industrial Electronics (CIP 47.0105)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the proposed two options as reasonable extensions/alterations of an existing program.

Background: Lurleen B. Wallace Community College (LBW) currently has the Associate of Applied Science (AAS) in Industrial Electronics at CIP 47.0105 in the Commission's Academic Program Inventory. LBW has proposed the addition of two options: Industrial Systems and Electromechanical to the existing program.

The General Education Curriculum for both the options is comprised of 22 semester hours.

The program core for both the options consists of 25 semester hours. The courses in the program core are: ILT 160 DC Fundamentals (3sh), ILT 161 AC Fundamentals (3sh), ILT 162 Solid State Fundamentals (3sh), ILT 163 Digital Fundamentals (3sh), ILT 262 Certification Prep (3sh), ILT 109 Electrical Blue Print Reading (3sh), ILT 170 Components of Material Handling (3sh), ILT 209 Motor Controls (3sh), and ILT 164 Circuit Fabrication (1sh).

The entire program for the Industrial Systems option is comprised of 70 semester hours with the following curricular components:

General Education:	22 sh
Required Core:	25 sh
Option:	23 sh
Total:	70 sh

Industrial System Option courses -

ILT 117 Principles of Construction Wiring (3sh)  
ILT 118 Construction Wiring (3sh)  
ILT 166 Motors and Transformers (3sh)  
ILT 194 Programmable Logic Controllers (3sh)  
ILT 196 Adv. Programmable Logic Controllers (3sh)  
ILT 216 Industrial Robotics (3sh)  
ILT 217 Industrial Robotics Lab (2sh)  
ILT 240 Sensors Techniques and Applications (3sh)

For the Electromechanical option the program consists of the following curricular components:

General Education:	22 sh
Required Core:	25 sh
Option:	20 sh
Total:	67 sh

Electromechanical Option courses -

INT 112 Safety (3sh)  
INT 128 Principles of Industrial Environment Controls (3sh)  
INT 127 Principles of Industrial Pumps and Piping Systems (3sh)  
ILT 169 Hydraulics and Pneumatics (3sh)  
ELT 213 Industrial Equipment (3sh)  
ILT 216 Industrial Robotics (3sh)  
ILT 217 Industrial Robotics Lab (2sh)

Rationale: High-enrollment programs such as Industrial Electronics have too few career paths to meet the diversity of job skills needed by manufacturers in south Alabama, including Shaw Industries, PowerSouth, and Smart Alabama. In fall 2014, the Industrial Electronics Program had 111 students enrolled in one AAS Degree pathway, which did not meet employer needs for industrial systems or electromechanical applications.

These two options will provide additional skilled pathways requested by employers in this field. The need for these options was brought about by the growth in demand for multi-skilled craftsman, particularly in the manufacturing environment graduates applying for jobs within the college's service area provided LBW with feedback from potential employers concerning the need for the additional skills which will be included in the industrial systems and electromechanical options.

The Alabama Department of Labor Information Division, lists Electromechanical Technicians, and Electrical and Electronics Engineering Technicians as bright outlook occupations which are expected to grow rapidly over the next few years.

**Budgetary Impact:** The Title III Strengthening Institutional Grant awarded to the College in October 2016 will provide funds to purchase equipment and supplies for these options.

Consistent with Commission policy and operational definitions, the two options will not be identified separately in the Commission's Academic Program Inventory, and the institution may not identify them as degree programs.

The staff recommends that the proposed two options be approved as reasonable extensions/alterations of an existing program.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.
2. "Definitions Recognized by the Commission," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.01. Available upon request.
3. Written unpublished documentation provided by the institution. Available upon request.

DECISION ITEM C-6: Jacksonville State University, Academic Reorganization

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Programs

Staff Recommendation: That the Commission approve the proposed Jacksonville State University (JSU) academic reorganization as detailed below.

Background: With authorization from the Jacksonville State University Board of Trustees, the President and Provost initiated an academic reorganization of the University. The President and Provost charged the Deans to revisit the existing academic structure with an eye toward creating logical, synergistic units of relatively similar size. The Dean's Council reviewed and discussed options and made recommendations for changes.

JSU states that subsequent meetings with the President and the Provost resulted in the six school model. After review and input from the Faculty Senate, Academic Department Heads, the Student Government Association, and others as part of an open and collaborative process, the proposed new model emerged as the best structure for achieving the University's strategic goals.

Through reorganization of existing units and programs, along with reallocation of existing resources, Jacksonville State University is developing a new academic structure that creates more manageable, marketable, and synergistic units.

JSU anticipates that this new academic structure will enable stronger collaboration across the University in developing new programs, securing grants, conducting research, enhancing regional stewardship and community engagement, growing enrollment, as well as better serving students and preparing them for their future careers.

In the new structure, the Division of Academic Affairs reporting to the Provost will change from having four colleges to six schools, including the following:

- School of Arts and Humanities
- School of Business and Industry
- School of Education
- School of Health Professions and Wellness
- School of Human Services and Social Sciences
- School of Science

Each school will be led by a Dean who will oversee its faculty, staff, academic programs, operations and budget.

The prior academic organization included two very large colleges (College of Arts and Sciences and College of Education and Professional Studies) and two small colleges (College of Commerce and Business Administration and College of Nursing). The six new schools will be of reasonably similar size and the disciplines within each school will logically fit together with strong pedagogical, professional, academic and research synergies.

The most noteworthy changes include the following:

- Splitting the College of Arts and Sciences into three new schools: School of Arts and Humanities, School of Human Services and Social Sciences, and School of Science.
- Bringing together disciplines focused on service to and protection of others (Criminal Justice and Forensics, Emergency Management, Military Science, and Social Work) and the related social science disciplines (Psychology and Sociology) into the School of Human Services and Social Sciences.
- Moving Communications, Applied Engineering and Sport Management from the College of Education and Professional Studies to the new School of Business and Industry, to join the traditional business disciplines.
- Moving the Kinesiology Department from the College of Education and Professional Studies into the new School of Health Professions and Wellness, to join Nursing and Respiratory Therapy.

As part of the reorganization, centers, institutes, and other supporting units that logically fit with certain academic disciplines will reside in the schools where the disciplines are housed.

If approved by the Commission, the re-organization would commence immediately.

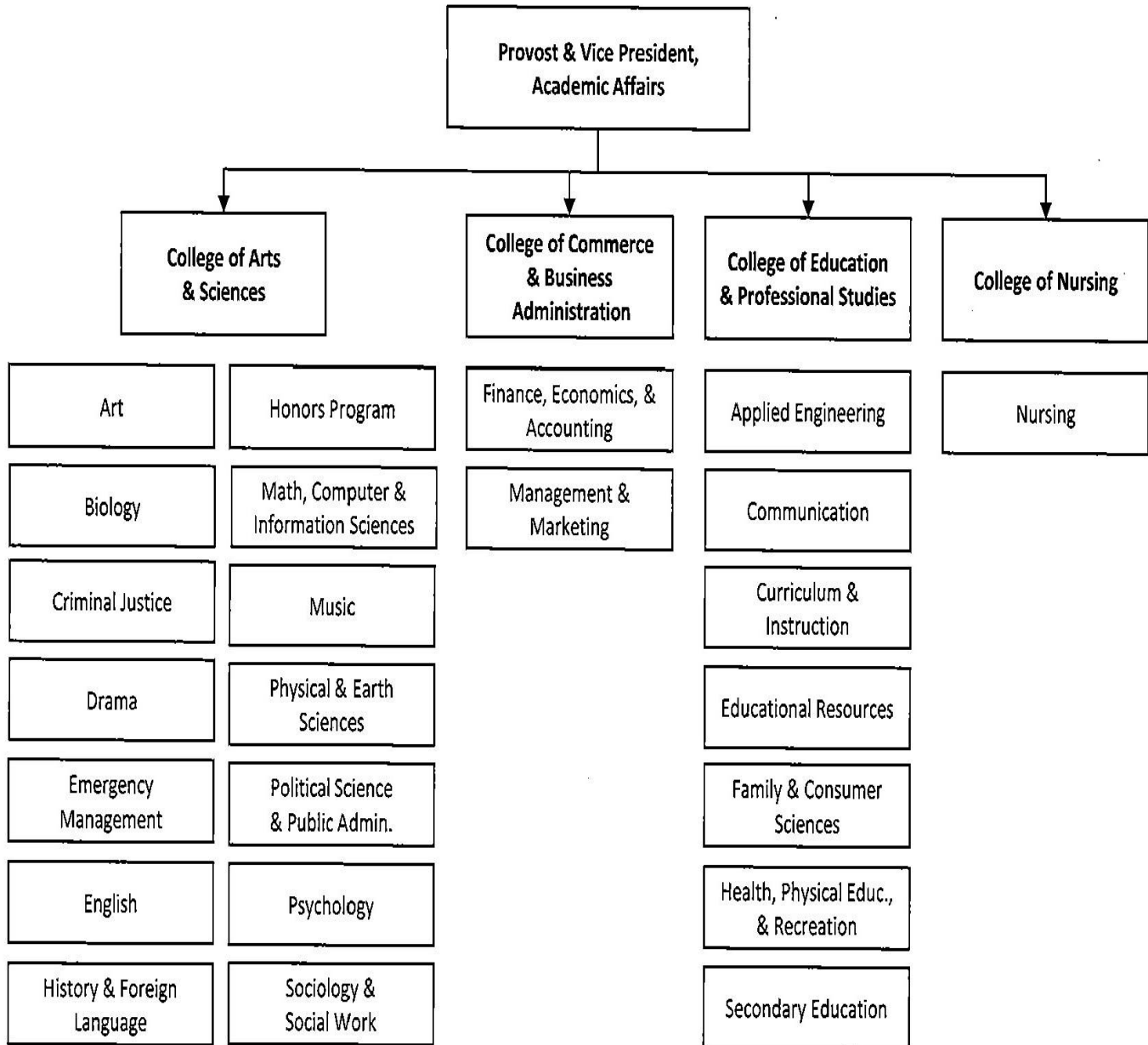
Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.
2. "Definitions Recognized by the Commission," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.01. Available upon request.
3. Written unpublished documentation of the current (Attachment 1) and proposed organizational charts (Attachment 2) provided by the institution.



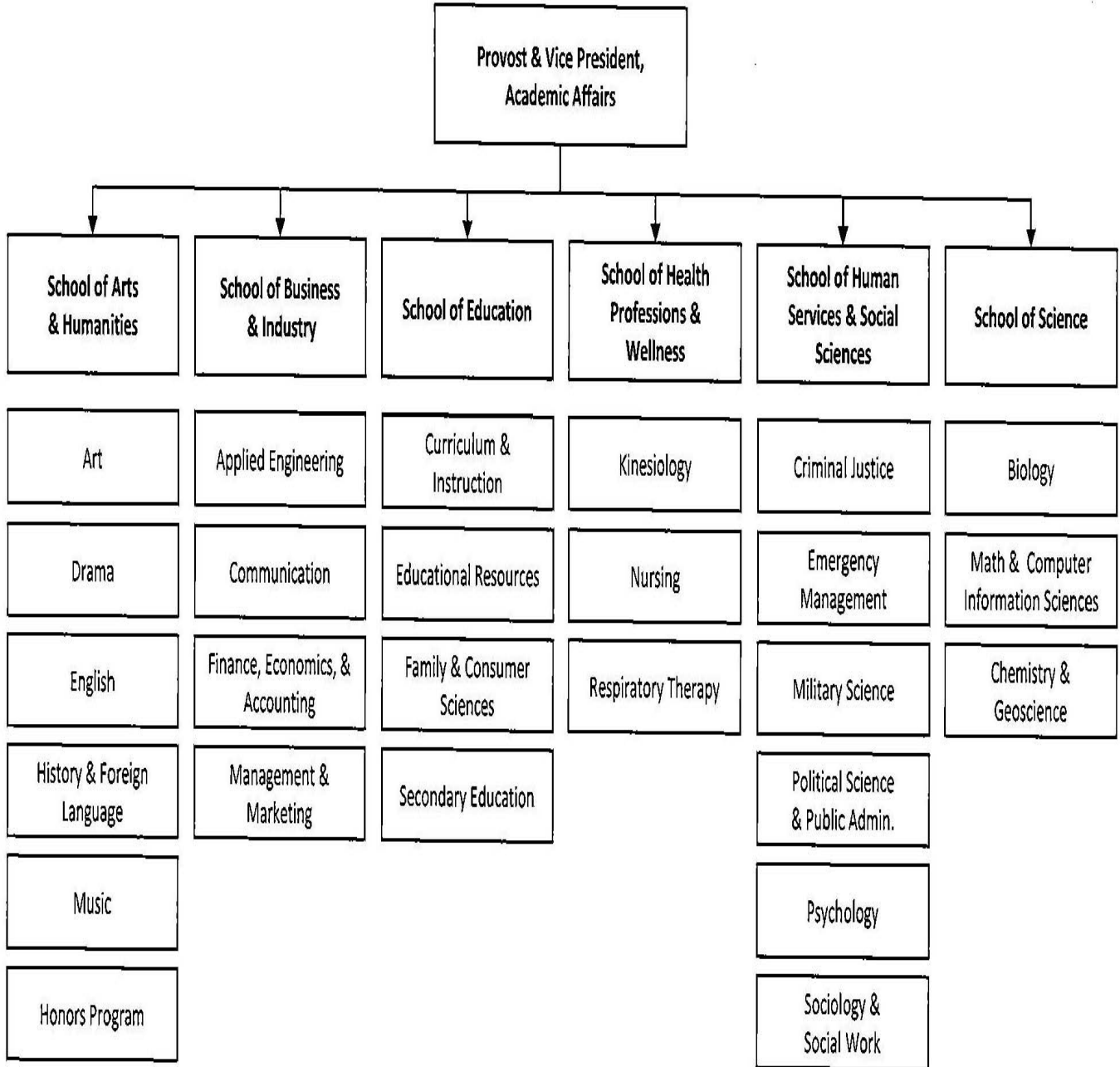
**Attachment 1**  
 Current Academic Organization

**CURRENT STRUCTURE**



**Attachment 2  
 Proposed Academic Organization**

**PROPOSED STRUCTURE**



DECISION ITEM D-1: Request to Amend Post-Implementation Conditions:  
Auburn University at Montgomery, Master of Science in  
Cybersystems and Information Security (CIP 11.1003)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the request to amend post-implementation conditions, as follows:

- 1) That an additional two-year review period (2016-17 and 2017-2018) for the program be granted.
- 2) In this additional review period, the program will meet a post-implementation condition of 5 graduates, revised from the original condition of 7 graduates.
- 3) In this additional review period, the program will meet a post-implementation condition of 10 new enrollees, revised from the original condition of 9 enrollees.

That the institution will submit, no later than September 1, 2018, a post-implementation report, demonstrating that the program met the post-implementation conditions for graduates and new enrollees for the specified period.

Background: The Master of Science in Master of Science in Cybersystems and Information Security (CIP 11.1003) was approved by the Commission on December 4, 2009. The program was anticipated to begin in August 2010, but was actually implemented in August 2011.

The program did not meet post-implementation conditions for graduates or new enrollees. The conditions were met for employment, and the submission of an overall assessment of the program. The post-implementation report was filed with the Commission on February 7, 2017.

AUM states that reasons for not meeting the original numbers include the following:

- AUM began the program with one full-time administrator managing the program and teaching in the program. This individual was to seek external funding in the amount of \$1,000,000 in the five-year period to support the program; there was no success in this matter.
- AUM lacked promotion of the new graduate program, believing it would not be necessary due to a pent-up demand of local area students who would continue their educational experience in the AUM program along with significant numbers of personnel from Maxwell and Gunter.

After lower than expected enrollments were realized, the college invested more resources into the program.

- One full-time faculty member was to be hired to support the program during the entire five-year period and this hire was not made until academic year 2015-2016.
- The program drew upon courses offered by other units: Accounting and Business. There was much difficulty with scheduling classes from other units.
- There were no natural undergraduate feeder programs into the M.S. in Cybersystems and Information Security.

AUM expects to be able to meet the proposed amended conditions and believes they are reasonable amendments to make based on the following:

- The program was initially managed and run through the Informatics Institute; the management was very poor and the program was moved under the management of Mathematics and Computer Science Department two years ago. It should be noted that the Math and Computer Science Department, which began a B.S. in Computer Science in Fall 2014, has enrollment numbers that have far surpassed those projected. Since moving the program under Math and CS, the enrollment numbers and graduation numbers have gone up significantly. AUM expects to have its highest enrollment class and graduation class during academic year 2016-2017.
- The approval of the B.S. in Computer Science beginning Fall 2014 now allows for a natural feeder program for the M.S. program.
- All trends within the department and college indicate that positive numbers will continue. The total enrollment for the program has increased over the last few years, and we believe it can be maintained as well as the graduation numbers.

- Up through Fall 2011, the program was supported by one full-time faculty member, who was also the Director. Since then, four additional faculty members from its new home department have taught in the program, diversifying the experience of graduates, giving them more supportive instruction, and improving AUM's ability to offer courses when needed.
- The required courses from Accounting and Business have been replaced with courses from the Math and Computer Science department and so the scheduling of classes is no longer an issue.
- The University has committed more investment and resources into the promotion of the program.

The request is for a timeframe extension to achieve the graduation figure of 5, revised from the original request of 7 graduates, and for a revised average new enrollment figure of 10, rather than the original request of 9.

Supporting Documentation:

1. "Summary of Report on Post-Implementation Conditions," attached.
2. Unpublished post-implementation reports and post-implementation requests for Auburn University at Montgomery. Available upon request.
3. "Guidelines for Consideration of Post-Implementation Reports that Do Not Meet Approved Conditions." Available upon request.

**Summary of Report on Post-Implementation Conditions**

**Auburn University at Montgomery (2016 Report)**

- Program: Master of Science in Cybersystems and Information Security (CIP 11.1003)

Approved by Commission: December 2009

Proposed Implementation Date: August 2010

Actual Implementation Date: August 2011

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years beginning in 2011-12 will be at least 9.
2. That the annual average number of graduates for the Academic Years 2012-13 through 2015-16 (three-year average) will be at least 7.
4. That a follow-up survey will be conducted after the first five years that will show that at least 75 percent of the graduates were successful in acquiring related employment.
5. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Master of Science in Cybersystems and Information Security (CIP 11.1003)	Average New Enrollment Headcount 2011-12 through 2015-16	Average Number of Graduates 2012-13 through 2015-16	Percentage of Graduates Employed in Field
Required	9	7	75%
Reported	7	3	82%

Note: The years for the post-implementation conditions review was moved ahead by one year, since the actual implementation date was one year later than the proposed implementation date.

Condition 1: According to the report, the enrollment count benchmark was not met.

Condition 2: The program did not meet the graduation post-implementation requirement.

Condition 3: Eighty-two percent of the graduates were successful in acquiring related employment.

Condition 4: An overall assessment of the program was provided. Assessment of the program has occurred on an ongoing basis and has been lead by the department head in collaboration with faculty within the Cyber Systems and Information Security program. A total of four student learning outcomes were developed for the program and, for each outcome, over 75 percent of the students achieved the goals set forth within each outcome as measured by varying rubrics and assessment devices.

DECISION ITEM D-2: Request to Amend Post-Implementation Conditions:  
Auburn University at Montgomery, Master of Science in  
Homeland Security and Emergency Management  
(CIP 43.0301)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the request to amend  
post-implementation conditions, as follows:

- 1) That an additional two-year review period (2017-18  
and 2018-2019) for the program be granted.
- 2) In this additional review period, the program will  
meet a post-implementation condition of 5 graduates,  
revised from the original condition of 10 graduates.

That the institution will submit, no later than February  
1, 2019, a post-implementation report, demonstrating  
that the program met the post-implementation condition  
for graduates for the specified period.

Background: The Master of Science in Homeland Security and  
Emergency Management (CIP 43.0301) was approved  
by the Commission on December 9, 2011.

The program did not meet the post-implementation  
condition for graduates. The conditions were met for  
enrollments, employment, and the submission of an  
overall assessment of the program. The post-  
implementation report was filed with the Commission on  
February 7, 2017.

The request states that the main reason for not meeting  
the graduation projection is that the numbers were  
inadvertently estimated to be high. Subsequent review  
indicated the projection to be unrealistic, particularly in  
light of the anticipated enrollments.

Based on recent graduation numbers and anticipated  
numbers for the current term, AUM asserts the proposed  
revised numbers are reasonable and achievable.

The request is for a timeframe extension to achieve the  
graduation figure of 5, revised from the original request  
of 10 graduates. The specific semesters to be evaluated  
are Spring 2017-Fall 2017 and Spring 2018-Fall 2018.

Supporting Documentation:

1. "Summary of Report on Post-Implementation  
Conditions," attached.
2. Unpublished post-implementation reports and  
post-implementation requests for Auburn  
University at Montgomery. Available upon  
request.

3. "Guidelines for Consideration of Post-Implementation Reports that Do Not Meet Approved Conditions." Available upon request.



**Summary of Report on Post-Implementation Conditions**

**Auburn University at Montgomery (2017 Report)**

- Program: Master of Science in Homeland Security and Emergency Management (CIP 43.0301)

Approved by Commission: December 2011

Proposed Implementation Date: January 2012

Actual Implementation Date: January 2012

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years beginning in 2012-13 For the first five years will be at least 10.
2. That the annual average number of graduates for the Academic Years 2013-14 through 2016-17 (four-year average) will be at least 10.
3. That a follow-up survey will be conducted after the first five years that will show that at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Master of Science in Homeland Security and Emergency Management (CIP 43.0301)	Average New Enrollment Headcount 2012-13 through 2016-17	Average Number of Graduates 2013-14 through 2016-17	Percentage of Graduates Employed in Field
Required	10	10	75%
Reported	16	8	81%

Condition 1: According to the report, the enrollment count benchmark was met.

Condition 2: The program did not meet the graduation post-implementation requirement.

Condition 3: Eighty-one percent of the graduates were successful in acquiring related employment.

Condition 4: Overall assessment of the program was provided and sufficient. Assessment of the program has occurred on an ongoing basis and has been led by the department head in collaboration with faculty within the Homeland Security and Emergency Management program. A total of nine student learning outcomes were developed for the program and, for each outcome, over 85 percent of the students achieved the goals set forth within each outcome as measured by varying rubrics and assessment devices.

DECISION ITEM D-3: Request to Amend Post-Implementation Conditions:  
Auburn University at Montgomery, Master of Science in  
Information Systems Management (CIP 52.1201)

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: That the Commission approve the request to amend post-implementation conditions, as follows:

- 1) That an additional two-year review period (2017-18 and 2018-2019) for the program be granted.
- 2) In this additional review period, the program will meet a post-implementation condition of 5 graduates, revised from the original condition of 7 graduates.
- 3) In this additional review period, the program will meet a post-implementation condition of an average of 8 new enrollees, revised from the original condition of 12 enrollees.

That the institution will submit, no later than February 1, 2019, a post-implementation report, demonstrating that the program met the post-implementation conditions for graduates and new enrollees for the specified period.

Background: The Master of Science in Master of Science in Information Systems Management (CIP 52.1201) was approved by the Commission on September 9, 2011.

The program did not meet post-implementation conditions for graduates or new enrollees. The conditions were met for employment, and the submission of an overall assessment of the program. The post-implementation report was filed with the Commission on February 7, 2017.

AUM states that reasons for not meeting the original numbers include the following:

- Initially AUM lacked differentiation between undergraduate and graduate IS programs with many graduate courses offered being crossed-listed with undergraduate courses. This issue was primarily due to staffing issues.
- AUM lacked promotion of the new graduate program, believing it would not be necessary due to a pent-up demand of current IS students who would continue their educational experience. After lower than expected enrollments were realized, the college invested more resources in promotion of the MS ISM program.
- Lastly, a number of students have failed to continue in the program due to some issues raised above including

the scheduling of courses, duplication of topics/courses taken in undergraduate program, and the rising costs of higher education. This has had a negative effect on the graduation rate.

AUM expects to be able to meet the proposed amended conditions and believes they are reasonable amendments to make based on the following:

- All trends within the department and college indicate that positive numbers will continue. The total enrollment for the program has increased over the last few years, and AUM believes it can be maintained as well as the graduation numbers.
- The total number of full-time IS faculty have increased from six in January 2012, to a total of 10 current full-time IS faculty members (Fall 2016).
- With input from the IS Advisory Board, the faculty have revised the graduate curriculum to add flexibility and to include zero cross-listed courses.
- The College has committed more investment and resources into the promotion of MS ISM program.

The request is for a timeframe extension to achieve the graduation figure of 5, revised from the original request of 7 graduates, and for a revised average new enrollment figure of 8, rather than the original request of 12. The specific semesters to be evaluated are Spring 2017-Fall 2017 and Spring 2018-Fall 2018.

Supporting Documentation:

1. "Summary of Report on Post-Implementation Conditions," attached.
2. Unpublished post-implementation reports and post-implementation requests for Auburn University at Montgomery. Available upon request.
3. "Guidelines for Consideration of Post-Implementation Reports that Do Not Meet Approved Conditions." Available upon request.

### Summary of Report on Post-Implementation Conditions

#### Auburn University at Montgomery (2017 Report)

- Program: Master of Science in Information Systems Management (CIP 52.1201)

Approved by Commission: September 2011

Proposed Implementation Date: January 2012

Actual Implementation Date: January 2012

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years beginning in 2012-13 will be at least 12.
2. That the annual average number of graduates for the Academic Years 2013-14 through 2016-17 (four-year average) will be at least 7.
3. That a follow-up survey will be conducted after the first five years that will show that at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Master of Science in Information Systems Management (CIP 52.1201)	Average New Enrollment Headcount 2012-13 through 2016-17	Average Number of Graduates 2013-14 through 2016-17	Percentage of Graduates Employed in Field
Required	12	7	75%
Reported	10	6	79%

Condition 1: According to the report, the enrollment count benchmark was not met.

Condition 2: The program did not meet the graduation post-implementation requirement.

Condition 3: Seventy-nine percent of the graduates were successful in acquiring related employment.

Condition 4: Overall assessment of the program was provided and sufficient. Assessment of the program has occurred on an ongoing basis and has been lead by the department head in collaboration with faculty within the Information Systems department. A total of four student learning outcomes were developed for the program and, for each outcome, over 90 percent of the students achieved the goals set forth within each outcome as measured by varying rubrics and assessment devices.

INFORMATION ITEM 1: Auburn University at Montgomery, New Exempt Off-Campus Site

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Proposal: Auburn University at Montgomery (AUM) plans to offer courses at the following new off-campus site beginning in August 2017:

Montgomery Chamber Business Resource Center -  
Montgomery, Alabama

Discussion: An official with AUM has signed the institutional certification for the proposed site pledging that a) the new site is in full compliance with the Commission's Guidelines for the Regulation of Off-Campus Instruction; and b) the required annual site follow-up report will be sent.

The new off-campus site proposed by AUM is exempt from Commission approval by policy because the proposed site is located within AUM's service area.

The proposal was posted on the Commission website from January 11 until February 2 for public review and comment. No comments were received.

Supporting Documentation:

1. Proposal for New Off-Campus Site at the Montgomery Chamber Business Resource Center, Montgomery, AL, attached.
2. "Review of Off-Campus Instruction offered by Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.06. Available upon request.

ATTACHMENT 1

Alabama Commission on Higher Education

PROPOSAL FOR A NEW OFF-CAMPUS SITE

SITE INFORMATION

**Institution:** Auburn University at Montgomery  
**Administrator Responsible for Site:** Dr. Scott Lane  
**Name & Title:** Dr. Scott Lane, Director of the School of Accountancy  
**Telephone:** 334-244-3227  
**Fax:** 334-244-3792  
**E-Mail:** slane2@aum.edu  
**Contact Person at Site If Other Than Administrator Above**  
**Name & Title:** Lisa McGinty, Executive Director Entrepreneurial Development & Acceleration  
**Telephone:** 334-240-6865  
**Fax:**  
**E-Mail:** lmcginty@montgomerychamber.com  
**Location of Proposed Site:** Montgomery Chamber Business Resource Center  
**Facility:** Montgomery Chamber Business Resource Center  
**Street Address:** 600 S Court St, Montgomery, AL 36104  
**City:** Montgomery **County:** Montgomery  
**When will you begin offering instruction at this site?** 2017

Type of Site	Check One:
<b>Non-Exempt</b>	
<b>Exempt from Review by Statute</b>	
Fall 1978 registration exceeded 500.	
University operated site prior to 1960.	
Site located on military reservation.	
Business & industry site where employees only are enrolled.	
<b>Exempt from Review by Commission Policy</b>	
Courses delivered via distance learning technology.	
Prison site - courses delivered exclusively to inmates and prison employees.	
High school site exclusively for early admission, accelerated/dual enrollment.	
2-year college site located within SBE approved service area.	
University site located within Commission recognized off-campus service area.	x

Note: Follow-up report is not required for individual study courses.

**Certification**

I hereby certify that if the Commission approves/accepts this proposal, the site will be in full compliance with the Commission's Guidelines for the Regulation of Off-Campus Instruction. The required annual follow-up report will be sent.

Signature of President/Chancellor:



Date:

1/23/17



**INFORMATION ITEM 2:** University of Alabama in Huntsville, Change in the Name of the Department of Physics to the Department of Physics and Astronomy

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Background: The University of Alabama Board of Trustees has approved the change in the name of the Department of Physics to the Department of Physics and Astronomy.

Since this is only a name change, it does not require Commission approval.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Alabama Administrative Code, Chapter 300-2-1-.06. Available upon request.
2. Written unpublished documentation provided by the institution. Available upon request.



**INFORMATION ITEM 3:** University of Alabama in Huntsville, Merger of the School of Graduate Studies and the Office of International Engagement

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For Information only.

Background: The University of Alabama in Huntsville (UAH) plans to establish The Graduate School and International Services. The new department will be established by merging the School of Graduate Studies and the Office of International Engagement.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.
2. Written unpublished documentation provided by the institution. Available upon request.

**INFORMATION ITEM 4:** University of Alabama at Birmingham, Establishment of the Center for Teaching and Learning

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Background: The University of Alabama at Birmingham (UAB) has submitted plans to the Commission for the establishment of the Center for Teaching and Learning.

According to information submitted by UAB, the center is the university-wide entity for instructional exploration and enrichment in order to maximize learning. Through collaboration, training, and experimentation with technologies and methods, the center promotes superior teaching and scholarship that enhance one another for the benefit of the academic community.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.06. Available upon request.
2. Written unpublished documentation provided by the University of Alabama at Birmingham. Available upon request.

**INFORMATION ITEM 5:** Jacksonville State University, Change in the Name of the Department of Physical and Earth Sciences to the Department of Chemistry and Geosciences

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Background: The Jacksonville State University (JSU) Board of Trustees has approved the change in the name of the Department of Physical and Earth Sciences to the Department of Chemistry and Geosciences.

Since this is only a name change, it does not require Commission approval.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Alabama Administrative Code, Chapter 300-2-1-.06. Available upon request.
2. Written unpublished documentation provided by the institution. Available upon request.

**INFORMATION ITEM 6:** University of Montevallo, Addition of a Foreign Language Certification in Spanish to the Existing Alternative M.Ed. in Secondary Education, CIP 13.1205

Staff Presenter: Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation: For information only.

Background: The University of Montevallo (UM) has notified the Commission that it is in the process of obtaining approval from the Alabama State Department of Education (ALSDE) to begin offering a certification in Spanish under the existing Alternative M.Ed., Secondary Education. The request seeking this approval was sent to the State Superintendent of Education on January 10, 2017. This will be reported under CIP 13.1205, Secondary Education and Teaching.

According to the information submitted by the University of Montevallo, the certification is intended to accommodate returning students who express an interest in teacher licensure. Only five other institutions in Alabama prepare teachers at the alternative master's degree (Alt-A) level in Spanish. The UM notification states that given the high need for foreign language teachers, adding this certification should help address the shortage, without saturating the market.

According to the Commission's operational definitions, new teacher certification programs are exempt from Commission review and approval but are required to be submitted to the Commission as information items. No entry will be added to the Commission's Academic Program Inventory as a result of the ALSDE approval of this new teacher education certificate. If a certification approved by ALSDE requires the addition of a new degree program, which will be added to the Commission's Inventory, and identified in the institution's catalog or other publications, Commission review and approval as a new academic program is required.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.03. Available upon request.
2. Written unpublished documentation provided by the institution. Available upon request.

INFORMATION ITEM 7: Jacksonville State University, New Exempt Off-Campus Site

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Proposal: Jacksonville State University (JSU) plans to offer courses at the following new off-campus site beginning in August 2017:

Brookstone Center - Jacksonville, Alabama

Discussion: An official with JSU has signed the institutional certification for the proposed site pledging that a) the new site is in full compliance with the Commission's Guidelines for the Regulation of Off-Campus Instruction; and b) the required annual site follow-up report will be sent.

The new off-campus site proposed by JSU is exempt from Commission approval by policy because the proposed site is located within JSU's service area.

The proposal was posted on the Commission website from January 11 until February 2 for public review and comment. No comments were received.

Supporting Documentation:

1. Proposal for New Off-Campus Site at the Brookstone Center, Jacksonville, AL, attached.
2. "Review of Off-Campus Instruction offered by Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.06. Available upon request.

ATTACHMENT 1

Alabama Commission on Higher Education

PROPOSAL FOR A NEW OFF-CAMPUS SITE

SITE INFORMATION

Institution: Jacksonville State University  
**Administrator Responsible for Site**  
 Name & Title: Dr. Christelle Shelton, Dean, School of Health Professions & Wellness  
 Telephone: 256-782-5428  
 Fax: 256-782-5406  
 E-Mail: cshelton@jsu.edu  
**Contact Person at Site if Other Than Administrator Above**  
 Mr. Ed Goodwin, Program Director, Respiratory Therapy Program  
 Telephone: 256-782-5431  
 Fax: 256-782-5406  
 E-Mail: pegoodwin@jsu.edu  
**Location of Proposed Site**  
 Facility: Brookstone Center  
 Street Address: 1701B Polham Road South  
 City: Jacksonville, AL 36265  
 County: Calhoun  
 When will you begin offering instruction at this site? Fall 2017

Type of Site	Check One:
Non-Exempt	
Exempt from Review by State	
Fall 1978 registration exceeded 500.	
University opened site prior to 1980.	
Site located on military reservation.	
Business & Industry site where employees only are enrolled.	
Exempt from Review by Commission Policy	XXX
Courses delivered via distance learning technology.	
Prison site - courses delivered exclusively to inmates and prison employees.	
High school site exclusively for early admission, accelerated/individual enrollment.	
2-year college site located within SBE approved service area.	
University site located within Commission recognized off-campus service area.	XXX

Note: Follow-up report is not required for individual study courses.

Certification

I hereby certify that if the Commission approves/accepts this proposal, the site will be in full compliance with the Commission's Guidelines for the Regulation of Off-Campus Instruction. The required annual follow-up report will be sent.

Signature of President/Chancellor: *John M. Budden*  
 Date: 3/24/17

**COURSE LIST**

The institution will develop its schedule at this new site each term from the following list of courses.

<b>Courses (Include Number &amp; Title)</b>
RT 300 Fundamentals of Respiratory Care I
RT 305 Patient Assessment
RT 310 Cardiopulmonary Anatomy and Physiology
RT 315 Respiratory Care Care Pharmacology
RT 320 Clinical I
RT 325 Fundamentals of Respiratory Care II
RT 330 Airway Management and Resuscitation
RT 335 Pathology for Respiratory Care
RT 340 Research
RT 345 Clinical II

INFORMATION ITEM 8: Snead State Community College, New Exempt Off-Campus Site

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Proposal: Snead State Community College (SND) plans to offer courses at the following new off-campus site beginning in fall 2017:

Alabama Aviation Center at Albertville, Albertville, Alabama

Discussion: An official with SND has signed the institutional certification for the proposed site pledging that a) the new site is in full compliance with the Commission's Guidelines for the Regulation of Off-Campus Instruction; and b) the required annual site follow-up report will be sent.

The new off-campus site proposed by SND is exempt from Commission approval by policy because the proposed site is located within SND's service area.

The proposal was posted on the Commission website from January 12 until February 1 for public review and comment. No comments were received.

Supporting Documentation:

1. Proposal for New Off-Campus Site at the Alabama Aviation Center at Albertville, Albertville, AL, attached.
2. "Review of Off-Campus Instruction offered by Public Postsecondary Institutions," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.06. Available upon request.



ATTACHMENT 1

Alabama Commission on Higher Education

PROPOSAL FOR A NEW OFF-CAMPUS SITE

SITE INFORMATION

**Institution:** Snead State Community College  
Administrator Responsible for Site  
**Name & Title:** Dan Owen, Director  
**Telephone:** 256-279-0940  
**Fax:**  
**E-Mail:** downen@esccl.edu  
Contact Person at Site If Other Than Administrator Above  
**Name & Title:**  
**Telephone:**  
**Fax:**  
**E-Mail:**

Location of Proposed Site  
**Facility:** Alabama Aviation Center at Albertville  
**Street Address:** 24 Aviation Way  
**City:** Albertville **County:** Marshall

When will you begin offering instruction at this site?  
 Fall Semester (August ) 2017

Type of Site	Check One:
<b>Non-Exempt</b>	
<b>Exempt from Review by Statute</b>	
Fall 1978 registration exceeded 500.	
University operated site prior to 1960.	
Site located on military reservation.	
Business & industry site where employees only are enrolled.	
<b>Exempt from Review by Commission Policy</b>	
Courses delivered via distance learning technology.	
Prison site - courses delivered exclusively to inmates and prison employees.	
High school site exclusively for early admission, accelerated/dual enrollment.	
2-year college site located within SBE approved service area.	X
University site located within home or contiguous counties.	

*Note: Follow-up report is not required for individual study courses.*

**Certification**

I hereby certify that if the Commission approves/accepts this proposal, the site will be in full compliance with the Commission's Guidelines for the Regulation of Off-Campus Instruction. The required annual follow-up report will be sent.

Signature of President/Chancellor:



Date: 1-23-2017



**INFORMATION ITEM 9:**                    Implementation of Approved Programs

Staff Presenter:                        Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation:                For information only.

Background:                            Commission guidelines state that a new program should be implemented in accordance with the timeline presented in the proposal. They further state that any institution having an approved program must notify the Commission in writing when the program is implemented (that is, when the institution has admitted the first student or students into the program). The institution also must notify the Commission in writing if the stated date or academic term of implementation changes. If the program is not implemented within 24 months of the date of approval, regardless of whether the Commission has been notified of the delay, the approval will expire, and the program will be removed from the Commission's Academic Program Inventory. Once an approval has expired, an institution must submit a new program proposal and receive Commission approval of the new proposal in order to offer the program.

Programs Implemented:                In accordance with these guidelines, the following institutions have sent notification that the programs listed have been implemented.

University of Alabama at Birmingham

Program: Master of Science in Nuclear Medicine  
Technology, MS, CIP 51.0905

Approval date: March 20, 2015

Implementation date: August, 2015 (on schedule)

Post-implementation report date: September 1, 2020

Program: Bachelor of Science in Digital Forensics,  
BS, CIP 43.0116

Approval date: September 9, 2016

Implementation date: January 2017 (on schedule)

Post-implementation report date: February 1, 2022

Program: Master of Arts in Anthropology of Peace and  
Human Rights, MA, CIP 45.0299

Approval date: September 9, 2016

Implementation date: January 2017 (on schedule)

Post-implementation report date: February 1, 2022

Program: Master of Arts in Education in School Psychometry,  
MAEd, CIP 13.0604

Approval date: December 4, 2015

Implementation date: June, 2016 (delayed)

Post-implementation report date: July 1, 2021

University of Montevallo

Program: Education Specialist in Instructional  
Technology, EdS, CIP 13.0501

Approval date: June 14, 2013

Implementation date: August, 2014 (delayed)

Post-implementation report date: September 1, 2019

University of North Alabama

Program: Bachelor of Science in Engineering  
Technology, BS, CIP 15.0000

Approval date: September 11, 2015

Implementation date: August, 2016 (delayed)

Post-implementation report date: September 1, 2021

University of North Alabama (Continued)

Program: Master of Science in Family Studies, MS,  
CIP 19.0704

Approval date: June 13, 2014

Implementation date: August, 2014 (on schedule)

Post-implementation report date: September 1, 2019

University of South Alabama

Program: Bachelor of Science in Educational Studies,  
BS, CIP 13.9999

Approval date: June 12, 2015

Implementation date: January, 2017 (delayed)

Post-implementation report date: February 1, 2022

Program: Master of Fine Arts in Creative Technologies  
and Practice, MFA, CIP 50.0706

Approval date: March 20, 2015

Implementation date: August, 2016 (delayed)

Post-implementation report date: September 1, 2021

University of West Alabama

Program: Master of Conservation Biology, MS,  
CIP 26.1307

Approval date: December 4, 2015

Implementation date: August, 2016 (on schedule)

Post-implementation report date: September 1, 2021

Programs Not Implemented:

Commission approval has expired for the following  
programs that were not implemented by the  
implementation deadline.

None.

Supporting Documentation:

"Guidelines on Implementation of a New Program,"  
adopted by the Commission on October 12, 2001,  
revision approved on September 23, 2005.  
Available upon request.

**INFORMATION ITEM 10:**

Summary of Post-Implementation Reports

Staff Presenter:

Dr. Lenny Lock  
Director of Instruction and Special Projects

Staff Recommendation:

For information only.

Background:

Programs that met post-implementation conditions:

- Northeast Alabama Community College, Program: Associate in Applied Science and Certificate in Salon and Spa Management (CIP 12.0412)

Program that did not meet post-implementation conditions:

- Auburn University at Montgomery, Program: Master of Science in Homeland Security and Emergency Management (CIP 43.0301) *[A request for an additional post implementation review period is on the agenda as a decision item]*
- Auburn University at Montgomery, Program: Master of Science in Information Systems Management (CIP 52.1201) *[A request for an additional post implementation review period is on the agenda as a decision item]*
- Auburn University at Montgomery, Program: Master of Science in Cybersystems and Information Security (CIP 11.1003) *[A request for an additional post implementation review period is on the agenda as a decision item]*

Supporting Documentation:

1. Unpublished post-implementation reports submitted by the institutions. Available upon request.
2. "Summary of Reports on Post-Implementation Conditions," attached.

**Summary of Reports on Post-Implementation Conditions  
 [Listed by Institution]**

Meeting Conditions:

**Northeast Alabama Community College (2017 Report)**

- Program: Associate in Applied Science and Certificate in Salon and Spa Management (CIP 12.0412)

Approved by Commission: December 2011

Proposed Implementation Date: January 2012

Actual Implementation Date: January 2012

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years, beginning in 2012-13 will be at least 8, based on the proposal.
2. That the average number of graduates for the academic years 2013-14 through 2016-17 (four year average) will be at least 8 based on the proposal.
3. That a follow-up survey be conducted after the first five years that will show at least 75 percent of the graduates' were successful in acquiring related employment.
4. That information regarding an overall assessment of the program will be provided, particularly as related to objectives and assessment measures stated in the proposal.

Associate in Applied Science and Certificate in Salon and Spa Management (CIP 12.0412)	Average New Enrollment Headcount 2012-13 through 2016-17*	Average Number of Graduates, 2013-14 through and 2016-17	Percentage of Graduates Employed in The Field
Required	8	8	75%
Reported	52	30	88%

\*Since the program started in the Spring semester (January) and this data is due prior to the end of the 2016-17 academic year (meaning that at this point, data from only one semester is available), the college used the calendar year (January — December) to compile results. This method did not significantly increase or decrease the number of graduates or headcount, but did allow the college to account for full years in its assessments

Condition 1: According to the report, the enrollment count benchmark was met.

Condition 2: The program did meet the graduation post-implementation requirement.

Condition 3: Eighty-eight percent of the graduates were successful in acquiring related employment or were continuing their education.

Condition 4: The assessment condition has been met. Since inception of the SAL program, 95 percent (69 of 73) of those who have taken state licensure exams have passed. It is noteworthy that, the assessment results led to the discovery that a few students who earned certificates did not complete the AAS, but are very close to completion. The Director of Workforce Development will write each one a letter encouraging them to take the one to three courses/assessments necessary to earn their degree. At least three certificate earners are only one class short of completing the AAS.

Not Meeting Conditions:

**Auburn University at Montgomery (2017 Report)**

- Program: Master of Science in Homeland Security and Emergency Management (CIP 43.0301)

Approved by Commission: December 2011

Proposed Implementation Date: January 2012

Actual Implementation Date: January 2012

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years beginning in 2012-13 For the first five years will be at least 10.
2. That the annual average number of graduates for the Academic Years 2013-14 through 2016-17 (four-year average) will be at least 10.
3. That a follow-up survey will be conducted after the first five years that will show that at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Master of Science in Homeland Security and Emergency Management (CIP 43.0301)	Average New Enrollment Headcount 2012-13 through 2016-17	Average Number of Graduates 2013-14 through 2016-17	Percentage of Graduates Employed in Field
Required	10	10	75%
Reported	16	8	81%

Condition 1: According to the report, the enrollment count benchmark was met.

Condition 2: The program did not meet the graduation post-implementation requirement.

Condition 3: Eighty-one percent of the graduates were successful in acquiring related employment.

Condition 4: Overall assessment of the program was provided and sufficient. Assessment of the program has occurred on an ongoing basis and has been led by the department head in collaboration with faculty within the Homeland Security and Emergency Management program. A total of nine student learning outcomes were developed for the program and, for each outcome, over 85 percent of the students achieved the goals set forth within each outcome as measured by varying rubrics and assessment devices.



Not Meeting Conditions:

**Auburn University at Montgomery (2017 Report)**

- Program: Master of Science in Information Systems Management (CIP 52.1201)

Approved by Commission: September 2011

Proposed Implementation Date: January 2012

Actual Implementation Date: January 2012

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years beginning in 2012-13 will be at least 12.
2. That the annual average number of graduates for the Academic Years 2013-14 through 2016-17 (four-year average) will be at least 7.
3. That a follow-up survey will be conducted after the first five years that will show that at least 75 percent of the graduates were successful in acquiring related employment.
4. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Master of Science in Information Systems Management (CIP 52.1201)	Average New Enrollment Headcount 2012-13 through 2016-17	Average Number of Graduates 2013-14 through 2016-17	Percentage of Graduates Employed in Field
Required	12	7	75%
Reported	10	6	79%

Condition 1: According to the report, the enrollment count benchmark was not met.

Condition 2: The program did not meet the graduation post-implementation requirement.

Condition 3: Seventy-nine percent of the graduates were successful in acquiring related employment.

Condition 4: Overall assessment of the program was provided and sufficient. Assessment of the program has occurred on an ongoing basis and has been lead by the department head in collaboration with faculty within the Information Systems department. A total of four student learning outcomes were developed for the program and, for each outcome, over 90 percent of the students achieved the goals set forth within each outcome as measured by varying rubrics and assessment devices.

Not Meeting Conditions:

**Auburn University at Montgomery (2016 Report)**

- Program: Master of Science in Cybersystems and Information Security (CIP 11.1003)

Approved by Commission: December 2009

Proposed Implementation Date: August 2010

Actual Implementation Date: August 2011

Post-Implementation Conditions:

1. That the annual average new enrollment headcount for the first five years beginning in 2011-12 will be at least 9.
2. That the annual average number of graduates for the Academic Years 2012-13 through 2015-16 (three-year average) will be at least 7.
4. That a follow-up survey will be conducted after the first five years that will show that at least 75 percent of the graduates were successful in acquiring related employment.
5. That information regarding an overall assessment of the program be provided, particularly as related to objectives and assessment measures stated in the proposal.

Master of Science in Cybersystems and Information Security (CIP 11.1003)	Average New Enrollment Headcount 2011-12 through 2015-16	Average Number of Graduates 2012-13 through 2015-16	Percentage of Graduates Employed in Field
Required	9	7	75%
Reported	7	3	82%

Note: The years for the post-implementation conditions was moved ahead by one year, since the actual implementation date was one year later than the proposed implementation date.

Condition 1: According to the report, the enrollment count benchmark was not met.

Condition 2: The program did not meet the graduation post-implementation requirement.

Condition 3: Eighty-two percent of the graduates were successful in acquiring related employment.

Condition 4: An overall assessment of the program was provided. Assessment of the program has occurred on an ongoing basis and has been lead by the department head in collaboration with faculty within the Cyber Systems and Information Security program. A total of four student learning outcomes were developed for the program and, for each outcome, over 75 percent of the students achieved the goals set forth within each outcome as measured by varying rubrics and assessment devices.

**INFORMATION ITEM 11:** Implementation of New Short Certificate Programs (Less than 30 Semester Hours)

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Background: The Alabama Community College System reports the approval of short certificate programs (less than 30 semester hours) at the following two-year colleges in the fields of study listed below.

**Bishop State Community College**

<u>Field of Study</u>	<u>CIP Code</u>
Drafting and Design Technology w/emp	15.1301

**Calhoun Community College**

<u>Field of Study</u>	<u>CIP Code</u>
Computer Graphics w/emp	50.0401

**Lurleen B. Wallace Community College**

<u>Field of Study</u>	<u>CIP Code</u>
Diesel & Heavy Equipment Mechanics	47.0605
Industrial Electronics	47.0105

**Reid State Technical College**

<u>Field of Study</u>	<u>CIP Code</u>
Office Administration w/emp	52.0401
Welding Technology w/emp	48.0508
Industrial Electricity/Electronics	47.0105

**Shelton State Community College**

<u>Field of Study</u>	<u>CIP Code</u>
Health Information Technology	51.0707

**Snead State Community College**

<u>Field of Study</u>	<u>CIP Code</u>
Airframe Technology	47.0607

**Wallace State Community College (Hanceville)**

<u>Field of Study</u>	<u>CIP Code</u>
Machine Tool Technology	48.0507

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.06. Available upon request.

2. Written unpublished documentation provided by the Alabama Community College System. Available upon request.

**INFORMATION ITEM 12:** Changes to the Academic Program Inventory

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Background: According to the Commission's definitions relating to program review (Alabama Administrative Code, Chapter 300-2-1, Review of Programs & Other Units of Instruction), additions and certain extensions or alterations of units and programs of instruction must be submitted as information items not requiring Commission approval. Examples of information items, according to the operational definitions, include: 1) changes in program titles or CIP codes or degree nomenclatures at the same level (except doctoral) provided no changes in program requirements, content, or objectives are made, and provided the new nomenclature replaces the current designation; 2) programs placed on inactive status or deleted from the Academic Program Inventory; 3) change in award for completion from Diploma to Associate in Applied Technology in technical colleges provided certain conditions are met; 4) change in award for completion from Associate in Applied Technology to Associate in Applied Science in technical colleges provided certain conditions are met; and 5) change in award for completion from Diploma and/or Certificate to Associate in Applied Science in community colleges.

Supporting Documentation:

1. Academic Program Inventory. Available on the Commission's Website: [www.ache.alabama.gov](http://www.ache.alabama.gov).
2. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1.06. Available upon request.
3. Written unpublished documentation provided by the institutions. Available upon request.

A. Program Inventory Deletions

Institutions may voluntarily elect to delete program entries/awards from the Commission's Academic Program Inventory. However, institutions understand that these programs/awards cannot be reinstated to the Academic Program Inventory in the future without undergoing the regular process for new program review and approval.

University of South Alabama	11.1003	Cyber Assurance, BSCA
Reid State Technical College	51.0801	Medical Assisting, AAT
	47.0603	Auto Body Repair, C

B. Changes in CIP Codes, Program Titles, or Degree Nomenclature

The following changes in CIP codes, program titles, or degree nomenclature represent no changes in program requirements, content, and objectives and are recommended as information items.

Auburn University at Montgomery	<del>52.1204</del> <u>11.0103</u>	Information Systems, BSBA
	<del>52.1204</del> <u>11.0103</u>	Information Systems Management, MS
University of Alabama	<del>52.0905</del> <u>52.0901</u>	<del>Restaurant &amp; Hospitality Management, BSHES</del> <u>Hospitality Management, BS</u>
	<del>22.0299</del> <u>22.0211</u>	Law (Tax), LLM
University of North Alabama	13.0101	<del>Education, General, EdS</del> <u>Teacher Leader</u>
University of Montevallo	<del>31.0501</del> <u>31.0505</u>	<del>Kinesiology, BS</del> <u>Exercise and Nutrition Science</u>
University of South Alabama	16.0101	<del>Foreign Languages and Literatures, BA</del> <u>Modern Languages and Literature</u>

C. Programs Placed on Inactive Status

INFORMATION ITEM 13: Implementation of Non-Degree Programs at Senior Institutions

Staff Presenter: Ms. Margaret Pearson  
Academic Program Review Analyst

Staff Recommendation: For information only.

Background: Commission guidelines state that non-degree programs of senior institutions, including pre-baccalaureate, post-baccalaureate, and postmaster's certificates do not require Commission approval, but they must be reported to the Commission prior to implementation. The guidelines further state that these certificates are not listed in the Commission's Academic Program Inventory.

In accordance with these guidelines, the following institutions have sent notification regarding the non-degree programs indicated:

University of Alabama

Graduate Certificate in Public Interest Law

The certificate consists of 20-21 credit hours and is intended to prepare law students for engagement in public interest work once admitted to the practice of law. The certificate will also provide recognition of a student's commitment to public service and knowledge of the demands of public interest law practice. The proposed certificate will be unique on the UA campus and within the UA System.

Graduate Certificate in International and Comparative Law

The proposed certificate is intended to prepare law students for engagement in law practice with an international, foreign or comparative dimension. In order to receive the certificate at graduation, students' must meet three requirements: study abroad; required coursework; and elective coursework.

University of Alabama in Huntsville

Graduate Certificate in International Security Policy

The proposed 12 hours' certificate will support the Army Security Assistance Command and the Army Materiel command on Redstone Arsenal. There is currently no focused graduate training program directed to helping the workforce both understand the domestic aspects of national security decision-making, and the perspectives of other countries seeking to purchase US weapon systems, or to undertake training from the US Military. The certificate is designed to produce students with the

appropriate skills to leverage the opportunities provided by the international security field.

University of South Alabama

Graduate Certificate in Systems Engineering

The certificate is in response to constituent's request for a certificate program that utilizes existing graduate courses from the institutions currently Doctor of Science program in Systems Engineering. The coursework will require the successful completion of four graduate level courses worth three credit hours each.

Baccalaureate Certificate in Global Engagement

Global engagement can be described as motivated and sustained immersion in situations, practices, or processes that bring the student to a greater understanding and awareness of global issues. The proposed certificate provides students the opportunity to engage in global issues and experiences through the completion of 17 hours of approved courses and 9 hours of approved activities.

Supporting Documentation:

1. "Reasonable Extensions and Alterations of Existing Units and Programs of Instruction," Ala. Admin. Code (Commission on Higher Education), r. 300-2-1-.06. Available upon request.
2. Written unpublished documentation provided by the institution. Available upon request.



# INSTITUTIONS OF HIGHER EDUCATION

