



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

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GENERAL MEETING AGENDA

Thursday, June 20, 2024

3:30 – 5:00 PM

Zoom Meeting

*The agenda will be followed in subsequent order and items may be heard earlier than the scheduled time. Please note that this schedule may change upon adjournment of previous meetings, and at the Chair's privilege.*

**I. CALL TO ORDER AND ROLL CALL**

*Mr. Peter Collins, Chair*

**II. APPROVAL OF MINUTES**

*February 1, 2024, Meeting Minutes*

*April 15, 2024, Meeting Minutes*

**III. PUBLIC COMMENT**

**IV. PRESIDENT'S REPORT**

*Dr. Richard McCullough, President*

**V. ACTION ITEMS (CONSENT)**

- A. Request for Approval:** Proposal to Implement Ph.D. in Aerospace Engineering (Academic Affairs)
- B. Request for Approval:** Proposal to Implement Masters in Aerospace Engineering (Academic Affairs)
- C. Request for Approval:** BOG Regulation 8.014: 120 Credit Hour Exception Revisions (Academic Affairs)
- D. Request for Approval:** FSU Regulation 5.079 Revision (Academic Affairs)
- E. Request for Approval:** BOG Regulation 8.005: Review of General Education Courses (Academic Affairs)
- F. Request for Approval:** 2024-2025 Linking Industry to Nursing Education (LINE) Fund Proposal (Academic Affairs)
- G. Request for Approval:** Nominations to the Board of Directors of the Seminole Boosters, Inc. (Advancement & Governance)
- H. Request for Approval:** Nominations to the Board of Directors of the FSU Alumni Association, Inc. (Advancement & Governance)
- I. Request for Approval:** Nominations to the Board of Directors of the Ringling Foundation, Inc. (Advancement & Governance)

- J. Request for Approval:** Nominations to the Board of Trustees of the FSU Foundation, Inc. (Advancement & Governance)
- K. Request for Approval:** FSU Foundation, Inc. Bylaw Changes (Advancement)
- L. Request for Approval:** FSU Alumni Association, Inc. Bylaw Changes (Advancement)
- M. Request for Approval:** New External Auditor for FSU Foundation, Alumni Association and FSU Real Estate Foundation (Audit & Compliance)
- N. Request for Approval:** New External Auditor for FSU Student Investment Fund (Audit & Compliance)
- O. Request for Approval:** New External Auditor for FSU Panama City Collegiate School (Audit & Compliance)
- P. Request for Approval:** New External Auditor for FSU Schools (Audit & Compliance)
- Q. Request for Approval:** OAAS FY 2024-2025 Audit Plans (Audit & Compliance)
- R. Request for Approval:** FY 2025-2026 Capital Improvement Plan (Finance & Business)
- S. Request for Approval:** Campus Master Plan Amendment (Finance & Business)
- T. Request for Approval:** Student Overnight Parking Permit (Finance & Business)
- U. Request for Approval:** Regulation Amendment to FSU 2.009, Parking and Traffic (Finance & Business)
- V. Request for Approval:** Regulation Amendment to FSU 2.007, Use of Campus Land and Facilities (Finance & Business)
- W. Request for Approval:** Emergency Regulation-FSU ER24-1 Purchasing and Procurement (Finance & Business)
- X. Request for Approval:** Nominations to the Board of Directors of the FSU International Programs Association, Inc. (Governance)
- Y. Request for Approval:** Nomination to the Board of Directors of FSU Magnet Research and Development, Inc. (Governance)
- Z. Request for Approval:** Nomination to the Board of Directors of the FSU Research Foundation, Inc. (Governance)
- AA. Request for Approval:** Nomination to the Board of Directors of the FSU Athletic Association, Inc. (Governance)
- BB. Request for Approval:** FSU 3.003 Freedom of Expression Rights and Responsibilities (Student Affairs)

## **VI. ACTION ITEMS (NON-CONSENT)**

- A. Request for Approval:** Tenure Report (Academic Affairs)
- B. Request for Approval:** College Naming Opportunity (Advancement)
- C. Request for Approval:** FY 2024-2025 Operating Budget (Finance & Business)
  - 1. Approve the University's fiscal year 2024-2025 operating budget of \$2,839,938,437 which includes \$519,758,280 for the Annual Capital Outlay Budget.
  - 2. Approve the University's fiscal year 2024-2025 Florida Medical Practice Plan operating budget of \$13,528,471.
  - 3. Approve the University's fiscal year 2024-2025 Direct Support Organizations operating budgets totaling \$148,926,156.
  - 4. Grant approval for the President to make subsequent changes to the budgets outlined in motions 1, 2, and 3, as needed during the fiscal year, within available resources and fund balances, and consistent with applicable laws and regulations.
  - 5. Continue the existing Tuition and Fee Regulation at current rates for fiscal year 2024-2025 and approve an amendment of the current regulation to that effect.

**VII. NEW BUSINESS AND UPDATES**

**A. Faculty Senate Steering Committee**

*Dr. Roxanne Hughes, Vice-Chair, Faculty Senate Steering Committee*

**B. Student Government Association**

*Anthony Benn, Vice President, Student Government Association*

**C. Athletics Update**

*Mr. Michael Alford, Vice President, and Director of Athletics*

**D. Legislative Affairs**

*Mr. Clay Ingram, Chief Legislative Affairs Officer*

**VIII. CHAIR'S REPORT**

*Mr. Peter Collins, Chair*

**IX. OPEN FORUM FOR BOARD OF TRUSTEES**

*Mr. Peter Collins, Chair*

**X. ADJOURNMENT**

*Mr. Peter Collins, Chair*





FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# Meeting Minutes

## February 1, 2024



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

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MEETING MINUTES (DRAFT)

February 1, 2024  
8:30 AM

Augustus B. Turnbull Conference Center  
555 W Pensacola St, Tallahassee, FL 32306  
Room 208

**Attended:** Kathryn Ballard, Bridgett Birmingham, Peter Collins, Vivian de las Cuevas-Diaz, Jack Hitchcock, Jim Henderson, Justin Roth, Deborah Sargeant, and Bob Sasser

**Attended via Zoom:** Maximo Alvarez; John Thiel

**Absent:** Jorge Gonzalez; Drew Weatherford

**I. Call to Order and Welcome**

Mr. Peter Collins, Chair

Chair Collins welcomed everyone and called the meeting to order at 8:33 a.m.

Chair Collins started the meeting with the pledge of allegiance and a moment of silent meditation.

Heather Mayo called the roll and confirmed a quorum.

**II. APPROVAL OF MINUTES**

November 10, 2023, meeting minutes

December 22, 2023, meeting minutes

January 24, 2024, meeting minutes

**Trustee de las Cuevas-Diaz moved to approve the November 10, 2023, December 22, 2023, and January 24, 2023, board meeting minutes. Trustee Alvarez seconded the motion, and both sets of minutes were approved unanimously by all present at the meeting.**

### **III. PUBLIC COMMENTS**

There were no public comments.

Chair Collins read the Ethics Conduct Policy.

### **IV. PRESIDENT'S REPORT**

Dr. Richard McCullough, President

President McCullough began his report by thanking everyone for a great evening the night before and commented that FSU continues to have great interactions with the Florida legislature. He remarked that he was looking forward to the upcoming FSU Day at the Capitol and noted the recent legislative spouses luncheon hosted by the First Lady on FSU's campus.

President McCullough announced that following FSU Day at the Capitol, FSU will take part in an event in the courtyard announcing the new FSU Institute for Pediatric Rare Diseases. Representative Adam Anderson spearheaded this institute. President McCullough expressed his gratitude towards Representative Anderson, the Florida Legislature, and Governor DeSantis for providing funding during the 2023 Session to launch this institute, which is the first of its kind in Florida, and noted FSU's commitment to making transformative progress to help children and their families who are impacted by these devastating diseases.

President McCullough continued his report by noting that FSU is requesting funding to hire more prominent research faculty, build upon FSU's award-winning student success programs, and recruit and retain top talent, including undergraduate and graduate students, faculty, and staff. FSU is also requesting funding to continue the FSU Health initiative.

President McCullough noted Governor DeSantis's executive order intended to ease transfer hardships for Jewish students seeking to attend Florida universities and that FSU would facilitate the transfer of eligible students and help ease burdens on them as required by the Governor's order.

President McCullough commented that FSU's freshman fall-to-spring semester retention rate was 99% for the second consecutive year. FSU's freshman-sophomore retention rate is currently at 96 percent — a rate that ranks FSU sixth in the nation. He noted that FSU has received more than 70,000 applications to date as the February 15 regular decision day draws near, and that for the second year in a row, FSU offered early action admissions for Florida residents. From early action decisions, FSU admitted students from 635 high schools in all 67 Florida counties. Eighty-eight percent of these students are in the Top 10 percent of their high school class, and 22 percent are the first in their families to go to college.

President McCullough noted that FSU has hit a record high of \$414 million in research expenditures, and FSU is well on its way to reaching the goal of \$500 million in annual expenditures as FSU grows its research portfolio. He updated the Board on the status of the \$98.4 million award from the Triumph Gulf Coast Board and said that FSU is currently negotiating the term sheet, which will be considered at Triumph Gulf Coast's upcoming board meeting.

President McCullough gave an update on FSU Health and noted that they are clearing the land for the academic health center on Tallahassee Memorial Hospital's campus.

President McCullough noted that Dr. Robert Brown, president emeritus of Boston University, will visit FSU's campus to share his experience and expertise in research, recognition, and rankings.

President McCullough gave an update on the National High Magnetic Field Laboratory director search and the hiring of another National Academy of Engineering member.

President McCullough gave an update on fundraising and highlighted recent events at FSU, which included the Laura Greene Festschrift, FSU Civil Rights Institute's Martin Luther King Day Celebration, the Orpheus Chamber Orchestra concert, the Florida Board of Governors meeting, the Business of Healthcare Summit, and Combatting Human Trafficking symposium.

President McCullough shared news from FSU Athletics. He highlighted Coach Pensky and the FSU women's soccer team winning its fourth national title in program history. President McCullough congratulated football coach Mike Norvell on receiving two national coaches of the year awards after winning the conference championship following its undefeated regular season, finishing 6th in the country. He commented that he was looking forward to spring sports and that FSU baseball coach Link Jarrett would speak at FSU Day at the Capitol.

President McCullough concluded his report by thanking the Board for all they do and for their time and support.

## **V. CONSENT ITEMS**

- A. Request for Approval:** Federal Charter Schools Grant for The Collegiate School at FSU Panama City (Academic Affairs)
- B. Request for Approval:** Degree Terminations Resulting from the BOG Productivity Analysis (Academic Affairs)
- C. Request for Approval:** Proposal to Explore Bachelor's in Modern Languages, Literatures, and Cultures (Academic Affairs)
- D. Request for Approval:** Performance Based Funding Metrics (Audit & Compliance)
- E. Request for Approval:** Preeminent Research University Funding Metrics (Audit & Compliance)
- F. Request for Approval:** 2024-2025 Budget Projections for Auxiliaries with Outstanding Revenue Bonds (Finance & Business)
- G. Request for Approval:** Nomination to the Board of Directors of the Florida State University College of Business Student Investment Fund – Tallahassee, Inc. (Governance)
- H. Request for Approval:** Student Organizations and Activities 3.0015 (Student Affairs)

**Chairman Collins noted that the Trustees heard about all consent items during the committee meetings the day prior and that there would be no action items during this meeting. He noted that unless anyone would like to take an item off the consent agenda, he would take a motion to approve the consent item agenda.**

**Trustee Hitchcock moved to approve consent items A-H. Trustee Alvarez seconded the motion, and the consent item agenda was approved unanimously by all present at the meeting.**

## **VI. NEW BUSINESS AND UPDATES**

### **A. Faculty Senate Steering Committee**

Dr. Roxanne Hughes, Vice-Chair, Faculty Senate Steering Committee

Roxanne Hughes, Vice-Chair of the Faculty Senate Steering Committee, began her report by thanking the Trustees for the opportunity to brief them on the work and concerns of the Faculty Senate. She noted that since the last meeting, the Faculty Senate and Steering Committee have worked closely with the president and his cabinet on multiple shared governance initiatives. Dr. Hughes advised that one initiative is the recent foreign influence compliance regulation published by the Florida Board of Governors as part of the Florida Legislative Statute. She reported that FSU administrators have been proactive in developing an FAQ document and gathering faculty feedback through in-person meetings and the president's Foreign Influence Task Force.

Hughes noted that the faculty recognizes that this law, like similar state and federal laws, has been put in place to protect U.S. data and science, including the research conducted by FSU faculty. She also commented on how the law affects FSU departments in research and the impact the law will have on hiring graduate students and conducting research at FSU. Dr. Hughes emphasized the importance of graduate students and their role in FSU's research endeavors and eventual AAU membership.

Hughes concluded her report by highlighting recent faculty accomplishments, which included:

- Dr. Wei Guo, a professor in the Department of Mechanical Engineering at the College of Engineering, was recently elected a fellow of the American Physical Society. The Fellows Program recognizes members who have made advances in physics through their original research and publication.
- Dr. Joseph Schlenoff, Professor of Chemistry, and Dr. Bruce Locke, chair of the Department of Chemical and Biomedical Engineering, were recently named Fellows of the National Academy of Inventors, which highlights academic inventors who have demonstrated a spirit of innovation in creating or facilitating work that has made a tangible impact on the quality of life, economic development, and welfare of society.
- Dr. Schlenoff was elected to the elite American Chemical Society Division of Polymeric Materials. An organization that fosters the community of polymer scientists and engineers equipped to solve global challenges through their research, Schlenoff is the first FSU faculty member to be granted this honor.
- Dr. Maria Ryan, assistant professor in Musicology, was recently awarded the 2024 National Endowment for the Humanities Fellowship, a competitive award for humanities scholars pursuing projects of value within their discipline and beyond.

- Dr. Henna Budhwani, Professor of Nursing, has been named a fellow of the prestigious Society of Behavioral Medicine. This honor recognizes her work bridging behavior and biomedical research, improving healthcare and patient well-being.

## **B. Student Government Association**

Mr. Rodney Wells, Vice President, Student Government Association

Mr. Rodney Wells, Student Body Vice President of the Student Government Association, began his report by celebrating and sharing some of the accomplishments of the student body and milestones of Florida State University students. He noted that a student was chosen to receive the prestigious Thomas Pickering Foreign Affairs Graduate Fellowship funded by the U.S. Department of State and that 20 students are finalists for the Fulbright Scholarship. Mr. Wells reported that two students were just named John Lewis Scholars by the Congressional Faith and Faith and Politics Institute.

Mr. Wells continued his report by highlighting the recent Golden Tribe Lecture Series, which took place during the MLK celebration event. He highlighted the Jewish Student Union, which hosted the Jewish Heritage Month, and an event with a keynote speech by Sami Steigmann, a motivational speaker and Holocaust survivor. Mr. Wells commended Ms. Amanda Press, the Jewish Student Union Director, for her leadership of the organization.

Mr. Wells concluded his report by noting the Student Government Association's upcoming trip to Washington, D.C., to join fellow student leaders nationwide on an advocacy day.

## **C. Athletics Update**

Mr. Michael Alford, Vice President and Director of Athletics

Mr. Michael Alford, Vice President and Director of Athletics, began his report by welcoming special guest and student athlete, Ms. Taylor Huff.

### **Information Item:**

Ms. Taylor Huff, Midfielder/Forward, Women's Soccer

Ms. Huff gave an overview of her student-athlete experience at FSU. She noted that in addition to her experience on the soccer field, she has been challenged academically at FSU. Ms. Huff expressed how much Florida State meant to her and how thankful she was to be at the university. She thanked the Board and the president.

Mr. Alford began his report by noting the special culture that Coach Pensky has built within the soccer program and all its coaches.

Mr. Alford reported on the fall academic update and noted that they set the new highest overall semester GPA for Fall or Spring, surpassing the previous record. He said that 33 student-athletes made the president's list and that 325 (65%) have a 3.0 or higher GPA.

He thanked Mr. Miguel Negron, Dr. Joe O'Shea, and Dr. Mike Brady for supporting FSU's student-athletes in academics.

Mr. Alford continued his report by giving an update on the Elevate Champions Campaign – a campaign for moving women's athletics forward. Gabrielle Reece has been the spokesperson for this campaign.

Mr. Alford provided an update on the stadium renovation progress and campaign pacing.

Mr. Alford gave a quick update on the Dunlap Football Center construction.

#### **D. Legislative Affairs**

Mr. Clay Ingram, Chief Legislative Affairs Officer

Chief Legislative Affairs Officer Mr. Clay Ingram noted the Seminole Evening Reception and the FSU Day at the Capitol event. He thanked his cabinet colleagues for their assistance with both events.

Mr. Ingram provided an update on legislative funding requests and policy bills.

Mr. Ingram provided further information for FSU Day at the Capitol and the press conference with Representative Adam Anderson. He also noted that the Florida House of Representatives would read a resolution recognizing FSU and FSU Day at the Capitol later that day.

### **VII. CHAIR'S REPORT**

Mr. Peter Collins, Chair

Chair Collins made announcements regarding upcoming meeting dates.

### **VIII. OPEN FORUM FOR BOARD OF TRUSTEES**

There was no further discussion.

### **IX. ADJOURNMENT**

The meeting was adjourned at 9:54 a.m.



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# Meeting Minutes

## April 15, 2024





FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

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MEETING MINUTES (DRAFT)

April 15, 2024  
4:30 - 5:00 PM

*Miami Dade College  
Room 2106  
300 NE 2<sup>nd</sup> Ave, Wolfson Campus  
Miami, FL 33132*

**Attended in Person:** *Maximo Alvarez, Kathryn Ballard, Bridgett Birmingham, Jackson Boisvert, Peter Collins, Vivian de las Cuevas-Diaz, Justin Roth, Deborah Sargeant, Bob Sasser, and Drew Weatherford.*

**Attended via Zoom:** *Jorge Gonzalez.*

**Absent:** *Jim Henderson, John Thiel.*

**I. CALL TO ORDER AND WELCOME**

*Mr. Peter Collins, Chair*

Chair Collins welcomed everyone and called the meeting to order at 4:32 PM.

Heather Mayo called the roll and confirmed a quorum.

**II. PUBLIC COMMENTS**

There were no public comments.

Chair Collins read the Ethics Conduct Policy.

**III. NEW BUSINESS AND UPDATES**

**A. Academic Affairs**

*Dr. James Clark, Provost, and Executive Vice President for Academic Affairs*

Chair Collins welcomed Dr. James Clark, Provost, and Executive Vice President for Academic Affairs.

Provost Clark and his team presented an overview and summary of FSU's 2024 Accountability Plan.

**Action Item:**

***Request for Approval: FSU's 2024 Accountability Plan***

Chair Collins asked for a motion to approve FSU's 2024 Accountability Plan.

***Trustee Alvarez motioned to approve FSU's 2024 Accountability Plan. Trustee Weatherford seconded the motion, and the motion was unanimously approved by all present at the meeting.***

**IV. OPEN FORUM FOR BOARD OF TRUSTEES**

*Mr. Peter Collins, Chair*

Chair Collins opened the meeting to any further discussion. Chair Collins welcomed Trustee Jackson Boisvert, FSU's new Student Government Association President, to the FSU Board of Trustees.

**V. ADJOURNMENT**

Chair Collins thanked the staff for their time in preparation of the meeting. Additionally, he thanked Miami Dade College and Miami Dade College President Madeline Pumariega for hosting the FSU Board of Trustees on their campus.

Vice Chair Sasser thanked former Trustee and former SGA President Jack Hitchcock for his service on the FSU Board of Trustees and for his service on the Florida Student Association and the Florida Board of Governors.

Chair Collins asked for a motion to adjourn the meeting.

***Trustee de las Cuevas-Diaz motioned to adjourn the meeting. Trustee Alvarez seconded the motion, and the meeting was adjourned at 4:47 p.m.***



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM A



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Academic Affairs Committee*

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#### CONSENT ITEM A

**June 20, 2024**

**SUBJECT:** Proposal to Implement Ph.D. in Aerospace Engineering

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#### **PROPOSED COMMITTEE ACTION**

The FAMU-FSU College of Engineering requests approval to recommend that the Board of Governors approve implementation of a Ph.D. degree in Aerospace Engineering, effective Fall 2025.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

BOG Regulation 8.011: Authorization of New Academic Degree Programs and Other Curricular Offerings, states that each university Board of Trustees shall review and approve new doctoral degree programs and forward them to the Board of Governors for final approval. The current proposal has been approved internally by all individuals and faculty committees described in FSU Regulation 5.099: Development, Approval, Termination, and Suspension of Degree Programs.

#### **BACKGROUND INFORMATION**

The proposed Ph.D. in Aerospace Engineering will provide highly-trained graduates to meet aerospace workforce needs and research leadership in academia and industry. It will build upon the existing research strength of the state-wide Florida Center for Advanced Aero-Propulsion (FCAAP) that is housed at FSU, through which FAMU-FSU faculty members work collaboratively with faculty from UF, UCF, Embry-Riddle, and Miami University to develop cutting-edge technologies and a technology-savvy aerospace workforce. The program qualifies as a Program of Strategic Emphasis (STEM category) in the Florida Board of Governors 2025 Strategic Plan and will be offered face-to-face at the FAMU-FSU College of Engineering.

The demand for aerospace engineers is particularly pronounced in high-technology sectors supporting aircraft development such as manufacturing, electronics, human performance in space, and sensing. The Bureau of Labor Statistics anticipates a 6% percent growth in the employment of aerospace engineers nationally from 2022 to 2032 (<https://data.bls.gov/projections/occupationProj>). The same projection for Florida is much higher, 18.4% growth from 2023-2031. Florida has a significant presence in the

aerospace, defense, marine, and space industries (Lockheed Martin, Boeing, Raytheon, Northrop Grumman, and General Dynamics), which employ aerospace engineers. In 2022, there were 4,580 aerospace engineers employed in Florida with an average hourly wage of \$55.70 (<https://www.floridajobs.org/workforce-statistics/data-center/statistical-programs/occupational-employment-statistics-and-wages>).

In addition to a firm grounding in the fundamentals of aeronautical engineering, the curriculum will include courses in these core areas: fluid dynamics and aerodynamics, dynamical systems and controls, thermal transport, and the mechanics of materials. The program will require a combination of 51 credit hours (coursework and research, culminating in a dissertation). The Board's approval to implement does not obligate the University to provide any specific resources requested; any resource request will be reviewed as part of the annual allocation of resources.

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

Per BOG Regulation 8.011, Board of Governors final approval is required. The approved proposal will be submitted to BOG staff for technical review before it is placed on the November Board of Governors agenda.

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**Supporting Documentation Included:** Proposal to Implement Ph.D. and Master's in Aerospace Engineering

**Submitted by:** Office of Faculty Development and Advancement



State University System of Florida Board of Governors  
**REQUEST TO OFFER A NEW DEGREE PROGRAM**

In accordance with Board of Governors Regulation 8.011

(Please do not revise this proposal format without prior approval from Board staff)

Florida State University

Institution Submitting Proposal

FAMU-FSU College of Engineering

Name of College(s) or School(s)

Aerospace Engineering

Academic Specialty or Field

Proposed CIP Code (2020 CIP)

14.0201

Proposed Implementation Term

Fall 2025

Name of Department(s)/Division(s)

Aerospace Engineering

Complete Name of Degree

Proposed Program Type

☒ E&G Program

☐ Market Tuition Rate Program

☐ Self-Supporting Program

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met before the program's initiation.

Date Approved by the University  
Board of Trustees

Board of Trustees Chair's Signature Date

President's Signature Date

Provost's Signature Date

## Projected Enrollments and Program Costs

Provide headcount (HC) and full-time equivalent (FTE) student estimates for Years 1 through 5. HC and FTE estimates should be identical to those in Appendix A – Table 1. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Appendix A – Table 3A or 3B. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 by dividing the total E&G by FTE.

Implementation Timeframe	HC	FTE	E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary/ Philanthropy Funds	Total Cost
Year 1	25	18	\$17,101	\$307,825	\$456,871		\$764,696
Year 2	45	35					
Year 3	51	48					
Year 4	67	67					
Year 5	75	61	\$11,531	\$703,375	\$1,158,849		\$1,862,223

## Programs of Strategic Emphasis Waiver (for baccalaureate programs only)

Does the program fall under one of the CIP codes listed below?

☐ Yes

☐ No

If yes, students in the program will be eligible for the Programs of Strategic Emphasis (PSE) waiver. See [Board Regulation 7.008](#) and the [PSE Waiver Guidance](#) for additional details.

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

## Additional Required Signatures

I confirm that I have reviewed and approved Need and Demand Section III.F. of this proposal.

DocuSigned by:



Signature of Equal Opportunity Officer

Date of Signature



**I confirm that I have reviewed and approved Non-Faculty Resources Section IX.A. and IX.B. of this proposal.**

DocuSigned by:

*Gale Etischmaier*

**Signature of Library Dean/Director**

**Date of Signature**

## **Introduction**

### **I. Program Description and Relationship to System-Level Goals**

#### **A. Describe within a few paragraphs the proposed program under consideration and its overall purpose, including:**

- **degree level(s)**
- **majors, concentrations, tracks, specializations, or areas of emphasis**
- **total number of credit hours**
- **possible career outcomes for each major (provide additional details on meeting workforce needs in Section III)**

Florida A&M and Florida State Universities propose to offer a graduate degree program in Aerospace Engineering (AE) beginning Spring 2025. The graduate program will offer master's and doctoral degrees. The proposed program will be offered jointly within the FAMU-FSU College of Engineering and operate within the FAMU-FSU Mechanical Engineering Department. It will use faculty that currently teach within the existing Mechanical Engineering program at the FAMU-FSU College of Engineering. Additional faculty hires are proposed to expand the program in strategic directions that build upon existing strengths and future challenges in aerospace fields.

The AE graduate program will consist of one major. Completion of the master's program, whether thesis or non-thesis, requires a minimum of 30 credits. For students holding a master's degree, completion of the doctoral program requires 48 credits. Alternatively, for students entering the doctoral program immediately after their bachelor's degree, completion requires 60 credits. In their first year, students will gain a firm grounding in the fundamentals of AE through core courses (12 credits) taught by faculty members within the Mechanical Engineering department (these courses are already available). The student and their research advisor will determine which elective specialization courses are best for their research. Students will also register for the existing weekly Mechanical Engineering Graduate Seminar Series, taken every semester through graduation (0 credits). In this seminar series, students will be exposed to FAMU and FSU faculty and external researchers working in areas highly relevant to aerospace engineering (e.g., fluid dynamics, controls, robotics, thermal transport, large-scale computations, mechanics of materials). This seminar series also includes discussions about professional development skills given by industry speakers, government laboratory researchers, and academics about leadership strategies and tactics.

As background information, Aerospace Engineering primarily revolves around creating, advancing, testing, and manufacturing aircraft, spacecraft, and associated systems and structures. Historically, the discipline has centered on challenges about atmospheric and



space travel, encompassing two key and interconnected branches: aeronautical engineering, which concentrates on the theory, technology development, and application of flight within Earth's atmosphere, and astronautical engineering, which delves into the science and technology of spacecraft and launch vehicles. Aerospace engineers play a crucial role in advancing technologies and incorporating them into aerospace vehicle systems for various purposes such as transportation, communication, exploration, and defense. Their responsibilities encompass the creation and production of aircraft, spacecraft, propulsion systems, satellites, and missiles. Additionally, they are involved in designing and testing various components and subassemblies related to aircraft and aerospace products. The AE program at FAMU and FSU will advance the State and Federal calls to increase competence in science, technology, engineering, and math (STEM) in upcoming generations and to promote advanced aerospace engineering to solve fundamental problems that have immediate technical applications. In Florida, the aerospace industry is an essential component of the State's economy. Furthermore, there are several federal research laboratories in the Panhandle region, including Eglin and Tyndall Air Force Bases, the Naval Surface Warfare Center—Panama City Division and the Naval Air Station in Pensacola, that need new, well-trained AE graduates in their workforce. In addition, many industries in Florida, like defense and aerospace contractors, need aerospace engineers at the master's and doctoral level. With the advanced knowledge attained in aerospace engineering, graduates of the program will demonstrate the application of acquired knowledge through analyzing, synthesizing, evaluating, and creating solutions in various disciplines such as materials, thermal management, fluid dynamics, acoustics, controls, solid mechanics, among others. They will effectively transfer this knowledge to innovate future aerospace technologies, both locally in the State of Florida and globally. Furthermore, doctoral-trained graduates are also eligible for careers in academia.

**B. If the proposed program qualifies as a Program of Strategic Emphasis, as described in the Florida Board of Governors 2025 System Strategic Plan, indicate the category.**

- **Critical Workforce**

- ☐ Education
- ☐ Health
- ☐ Gap Analysis

- **Economic Development**

- ☐ Global Competitiveness
- ☒ Science, Technology, Engineering, and Math (STEM)

☐ **Does not qualify as a Program of Strategic Emphasis.**

**II. Strategic Plan Alignment, Projected Benefits, and Institutional Mission and Strength**

**A. Describe how the proposed program directly or indirectly supports the following:**

- **System strategic planning goals (see the link to the 2025 System Strategic Plan on the [New Program Proposals & Resources](#) webpage)**
- **the institution's mission**
- **the institution's strategic plan**

The AE program contributes directly to several of the State University System (SUS) Strategic Planning Goals in the 2025 System Strategic Plan. The specific areas in which the PhD in AE will impact or contribute are:

- Teaching and Learning
  - Strengthen the Quality and Reputation of the Universities
  - Increase Degree Productivity & Program Efficiency
  - Increase the Number of Degrees Awarded in Programs of Strategic Emphasis
- Scholarship, Research and Innovation
  - Increase Research Activity and Attract More External Funding

The new AE program also aligns well with the mission of Florida State University which involves incorporating elements that preserve, expand, and disseminate knowledge in various disciplines while emphasizing a philosophy of learning rooted in the liberal arts tradition. For example, the AE program will adopt an interdisciplinary approach, integrating the physics of fluids, materials, mathematics, technology, and professional development. This approach ensures a well-rounded education, aligning with the university's commitment to preserving and expanding knowledge across diverse fields. While this program heavily focuses on engineering, liberal arts will also be components within the aerospace curriculum. This will involve including courses and training that foster critical thinking, communication skills, and ethical considerations, thereby ensuring graduates possess a holistic education that extends beyond their technical knowledge.

The program will also include a curriculum that emphasizes excellence in teaching and research. We will provide students with opportunities to engage in cutting-edge research, collaborate with industry professionals, and participate in hands-on projects that contribute to advancements in aerospace engineering and technology. The AE program will also foster a culture of creativity and innovation within the program. It will encourage students to explore novel ideas, pursue entrepreneurial endeavors, and contribute to developing new technologies and solutions in the aerospace industry. This program will also include service-learning components that allow students to apply their aerospace knowledge to address real-world challenges. Many opportunities exist within the Department of Engineering via the Mechanical Engineering Graduate Student Association (MEGSA—RSO [Recognized Student Organization]) to encourage community engagement, partnerships with local industries, and outreach programs, such as the Challenger Learning Center, that contribute to the betterment of society. As part of the College of Engineering and Department of Mechanical Engineering's mission of leadership and professional development, we will also emphasize the development of ethics, skill, and character in students. We will provide opportunities for personal and professional growth, instilling a commitment to lifelong learning from coursework and research experiences. We will foster an environment that encourages personal responsibility and sustained achievement through active engagements with faculty throughout their graduate program. The new AE graduate program will cultivate a program that embraces diversity and inclusion. This includes creating a supportive and inclusive learning environment that reflects the university, college and department's commitment to a community fostering free inquiry.

By incorporating these elements, the aerospace graduate program can effectively align

with Florida State University's mission, contributing to the preservation, expansion, and dissemination of knowledge while fostering a commitment to excellence, diversity, and community engagement.

The AE program is also consistent with FAMU's mission. Florida Agricultural and Mechanical University (FAMU) is an 1890 land-grant institution dedicated to the advancement of knowledge, the resolution of complex issues, and the empowerment of citizens. FAMU's distinction as a doctoral/research institution will continue to provide mechanisms to address emerging issues through local and global partnerships. Expanding upon the University's land-grant status will enhance the lives of constituents through innovative research, engaging cooperative extension, and public service.

In direct support of its mission, the proposed AE program aligns with FAMU's dedication to the "advancement of knowledge and resolution of complex issues." There are several ways in which aerospace engineering contributes to these advancements including:

1. **Technological Innovation:** Aerospace engineering is at the forefront of technological innovation. The field constantly pushes the boundaries of flow physics, materials and structures operating in extreme environments, and complex control theories, leading to developing cutting-edge technologies and solutions. This innovation not only improves aerospace systems but often has broader applications in other industries.
2. **Scientific Discovery:** The pursuit of aerospace engineering often involves exploring unknown frontiers in both space exploration and atmospheric research. This exploration leads to new scientific discoveries and motivates a deeper understanding of fundamental principles in physics, materials science, computational science, and other related disciplines.
3. **Environmental Sustainability:** Aerospace engineers work towards making air and space travel more environmentally sustainable. This involves developing fuel-efficient propulsion systems, light-weight materials, and exploring alternative energy sources. As air and space vehicles are pushed to high speeds and more frequent use, addressing the environmental impact of aerospace activities contributes to important global sustainability challenges.
4. **National Security and Defense:** Aerospace engineering is integral to the development of defense and security technologies. Advancements in aircraft design, missile systems, and satellite technology contribute to national defense capabilities and strategic security.
5. **Space Exploration and Colonization:** Aerospace engineering drives advancements in developing spacecraft, propulsion systems, life support systems, and robotics for exploring other planets. The knowledge gained from these endeavors contributes not only to space science but also to potential future human colonization of other celestial bodies.
6. **Communication and Connectivity:** Aerospace engineering is instrumental in the development of satellite systems that enable global communication, weather monitoring, navigation, and Earth observation. These systems contribute to enhanced connectivity, disaster management, and a greater understanding of global climate.

patterns.

7. **Medical and Biological Research:** Space missions often involve experiments in microgravity environments. The results of these experiments can have applications in medical and biological research on Earth. For example, studying the effects of space travel on the human body contributes to our understanding of physiology and potential medical advancements.
8. **Global Collaborations:** Many aerospace projects involve international collaborations. Working together on projects such as space exploration or satellite programs fosters global cooperation and the sharing of knowledge and resources, contributing to peaceful relations and diplomacy.

Overall, aerospace engineering contributes to the advancement of knowledge and the resolution of complex issues by driving technological innovation, exploring new frontiers, addressing environmental challenges, enhancing national security, enabling global connectivity, inspiring education, and fostering global collaboration. The interdisciplinary nature of aerospace engineering ensures that its impact extends far beyond the confines of the field itself.

Along with the Board of Governors' 2025 Strategic Plan and the FSU and FAMU missions, the proposed AE program aligns well with FAMU's goal for High Impact Research, Commercialization, Outreach, and Extension Services. Specific to Strategic Priority 3 of FAMURising, the graduate program in AE will address the following goals:

- Goal 1: Expand and enhance cutting-edge research and creative scholarship for the benefit of the State of Florida, the nation, and the world.
- Goal 2: Increase research productivity, commercialization and return on investment.
- Goal 3: Increase the number of nationally recognized graduate programs.

A graduate program in Aerospace Engineering will add opportunities for FAMU and the Joint College faculty to engage in cutting-edge research to keep pace with constantly changing societal needs for safe and efficient aircraft and provide a workforce that can design, test and manufacture aerospace technology for the benefit of the nation as a whole. Faculty associated with the program are already active in research. The graduate program will serve to increase their research contributions to FSU, FAMU and the State of Florida, and train graduates who can also use advanced knowledge in positions that require advanced decision-making and skills necessary to implement effective solutions around the development and deployment of aerospace systems and structures. Having a strong research-oriented doctoral program attracts increased numbers of students with diverse backgrounds, which is also aligned with FAMU's mission.

**B. Describe how the proposed program specifically relates to existing institutional strengths. This can include:**

- **existing related academic programs**
- **existing programs of strategic emphasis**
- **institutes and centers**
- **other strengths of the institution**

The Department of Mechanical Engineering (ME) at FAMU-FSU has a long history of

excellence in research and teaching in the fields of fluid dynamics, aerodynamics, and flow control. Current ME faculty are internationally recognized in aerodynamics research and are very active in a wide range of federally funded research programs in both experimental and computational aerodynamics. The research enterprise has been successful not only because of excellent faculty, but also for very talented and well-trained graduate and undergraduate students. The ME Department offers a wide range of fundamental core and technical electives in fields ranging from fluid dynamics theory, gas dynamics, fluid-structure interactions, smart materials, uncertainty quantification, and flow control. These courses are offered to graduate students to support their research. Our undergraduate courses in areas related to aerodynamics start at the sophomore level and continue through senior technical electives to prepare these students for successful careers in industry and graduate school.

With respect to strategic interest, aerodynamic engineering is well aligned with STEM and supports the overall strategic vision of the State of Florida. It is also well aligned with both universities as FSU has a strong interest in expanding aerodynamics research in the Panhandle through the new Triumph program in Panama City. This program will require support from faculty to help guide the research and develop academic programs to support this major external investment of \$98M. FAMU is also very interested in growing STEM programs to increase African American graduates in the field of aerospace engineering. We expect these new activities will attract more students, post doctorate researchers, and research dollars which will help propel FAMU to a research intensive (R1) university.

Aerospace graduate education and research is also well aligned with institutes and centers at FAMU and FSU. The Aero-Propulsion, Mechatronics, and Energy (AME) Building supports the educational and research mission of the Florida Center for Advanced Aero-Propulsion (FCAAP) Center within the FAMU-FSU College of Engineering. FCAAP is a state-funded center that started in 2008 to support research and workforce development in the State of Florida. This center is headquartered at FSU and includes faculty at multiple universities across the state including FAMU, the University of Florida, the University of Central Florida, and Embry-Riddle. Additional long-running research centers have been spun off of FCAAP, including a Federal Aviation Administration Center of Excellence on Commercial Space Transport (2011-2021) and a more recent Air Force Office of Scientific Research (AFOSR) Center of Excellence AEROMORPH on morphing high speed aircraft (awarded 2023). These research centers provide excellent experimental and computational resources and exceptional faculty that will be leveraged in this program.

Additional strengths worth noting include recently developed aerospace educational programs within the Mechanical Engineering Department. This includes an online Aerospace Certificate program through FSU that started in the fall of 2021. Given its relevance to the proposed graduate program, key dates associated with this online certificate are included in the planning process table. Several faculty members within the Mechanical Engineering Department (led by Prof. Rajan Kumar) are also involved with an Air Force Research Laboratory (AFRL) Scholars program where undergraduate and graduate students take courses and conduct experiments within the ME department during fall and spring semesters and spend summers working with AFRL scientists at Eglin and Wright Patterson Air Force Bases. This collaboration may be in the form of on-site work at AFRL or conducting experiments at FCAAP and reporting to AFRL scientists.

A similar program exists through a FAMU NASA MUREP program to support minority students interested in aerospace research. This program is led by a former department chair within the ME Department, Prof. Chiang Shih, and Co-PI Prof. Carl Moore. Lastly, the ME Department also runs a NASA University Leadership Initiative, led by Prof. Lance Cooley, which focuses on hydrogen-based aero-propulsion concepts. This not only aligns with the mission of the aerospace program but also the broader mission of FSU to support hydrogen energy applications. In summary, there are a large number of programs focused on aerospace engineering which provide excellent opportunities for graduate students interested in this field.

**C. Provide the date the pre-proposal was presented to the Council of Academic Vice Presidents Academic Program Coordination (CAVP ACG). Specify any concerns raised and provide a narrative explaining how each concern has been or will be addressed.**

No concerns were raised in the CAVP ACG on 11/15/2023.

**D. In the table below provide an overview of the institutional planning and approval process leading up to the submission of this proposal to the Board office. Include a chronology of all activities, providing the names and positions of university personnel and external individuals who participated.**

- If the proposed program is at the bachelor's level, provide the date the program was entered into the APPRiSe system, and, if applicable, provide a narrative responding to any comments received through APPRiSe.
- If the proposed program is a doctoral-level program, provide the date(s) of the external consultant's review in the planning table. Include the external consultant's report and the institution's responses to the report as Appendix B.

**Planning Process**

<b>Date</b>	<b>Participants</b>	<b>Planning Activity Description</b>
May 29, 2015	Chiang Shih and Jennifer Buchanan	Create a graduate program in Aerospace Engineering – Masters and Ph.D.
December 11, 2015	CAVP Academic Coordination Group	First CAVP-ACG Meeting
March 4, 2016	Review of BOT	Proposal to Explore is approved by FSU BOT. No second proposal to explore is required.
June 12, 2018	Murray Gibson, Farrukh Alvi, Eric Hellstrom, Rajan Kumar, and Chiang Shih	Create an online graduate certificate program in aeronautical engineering designed as a pathway to an MS/PhD program.
Summer 2018	Lou Cattafesta, Rajan Kumar, and Chiang Shih	Meeting with FAMU-FSU college computing services (CCS) and FSU Office of Distance Learning
Fall 2018	Lou Cattafesta and Rajan	Develop two pilot courses for the

	Kumar	program
Spring 2019	Mohd Ali, Jonas Gustavsson, Rajan Kumar, and Chiang Shih	Develop three more courses
Summer 2019	Mohd Yousuf Ali, Jonas Gustavsson, Rajan Kumar, Lou Cattafesta, and Chiang Shih	Develop into fully asynchronous distance learning courses
Fall 2019	Mohd Yousuf Ali, Jonas Gustavsson, Rajan Kumar, Lou Cattafesta, and Chiang Shih	Five graduate level courses are ready to be offered face-2-face and online asynchronously
November 2019	Department of Mechanical Engineering's Graduate Committee chaired by William Oates	Department graduate committee approves to start a certificate program in Aerospace Engineering – Aerodynamics
December 2019	FAMU-FSU College of Engineering – College Curriculum Committee  Sam Awoniyi, Linda DeBrunner, Patrick Hollis, John Telotte, Kamal Tawfiq, Deb Gautier, Subashini Iyer, Frederika Manciangli, Michelle Rambo-Roddenberry, Mohd Yousuf Ali, Lisa Spainhour	FAMU-FSU College of Engineering approves to start a certificate program in Aerospace Engineering – Aerodynamics
April 2020	William Oates and Murray Gibson	FAMU and FSU approves the College of Engineering's recommended proposal to start a certificate program in Aerospace Engineering – Aerodynamics
Fall 2021	Department of Mechanical Engineering	Online Graduate Certificate program in Aerospace Engineering – Aerodynamics is offered
10/19/2023	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kincey	Discuss pre-proposal for the graduate degree program in Aerospace engineering
11/15/2023	CAVP Academic Coordination Group	CAVP Pre-Proposal Approval
11/28/2023	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kincey	Proposed Aerospace program proposal guidelines
12/07/2023	William Oates, Mohd Yousuf Ali, Chaing Shih, Alex Berger, and Huixuan Wu	Proposal for FAMU-FSU Aerospace MS/PhD program
12/08/2023	William Oates, Mohd Yousuf Ali, and Kassidy Hof-Mahoney	Library resources for the proposed AE program
01/29/2024	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kincey	Aerospace Degree Proposal Follow-Up

02/22/2024	Chair Oates & ME faculty	Status update on Aerospace Graduate Degree proposal developments
02/27/2024	William Oates and Wei Guo	Approval for the proposed graduate program in AE by the department graduate committee members
03/01/2024	William Oates, Michelle Rambo-Rodenberry, Kari Aime, and FAMU-FSU College of Engineering Curriculum Committee	Approval for the proposed graduate program in AE by the FAMU-FSU college of engineering curriculum committee members
03/05/2024	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kinsey	Discuss next steps for approval from university curriculum committee
03/05/2024	Dr. Mark Glauser	External Reviewer has agreed to review the proposed program

**E. In the table below, provide a timetable of key events necessary for implementing the proposed program following approval of the program by the Board office or the Board of Governors through to the addition of the program to the State University System Academic Degree Program Inventory.**

#### **Events Leading to Implementation**

<b>Date</b>	<b>Implementation Activity</b>
June 20	BOT review and request for approval
June - July 2024	Board of Governors Staff Review for BOG Consideration
June – July 2024	Develop MOUs between collaborating departments
July – September 2024	Collaborate with BOG Staff in Preparation for November BOG Meeting
November 2024	Review by BOG
Fall 2024-Summer 2025	Development of additional AE courses (1. Rotary Wing Aerodynamics, 2. Structural Dynamics, and 3. Fracture Mechanics)
Spring 2025	Marketing and recruitment of students
Spring 2025	Update internal systems
Fall 2025	Enroll first cohort

#### **Institutional and State-Level Accountability**

#### **III. Need and Demand**

**A. Describe the workforce need for the proposed program. The response should, at a minimum, include the following:**

- current state workforce data as provided by Florida's Department of Economic Opportunity
- current national workforce data as provided by the U.S. Department of



### **Labor's Bureau of Labor Statistics**

- **requests for the proposed program from agencies or industries in the university's service area**
- **any specific needs for research and service that the program would fulfill**

Aerospace engineering includes interdisciplinary graduate training in fluid dynamics, structures, thermal transport, dynamics, control, and materials which relies heavily on experimental, computational, and theoretical research. Graduate research and workforce development is a pivotal driver for creating novel aerospace systems and enhancing existing ones, critical for the evolution of technologies in aerospace transportation as well as energy, avionics, communications, information, homeland security, and national defense. Major federal funding agencies, such as the National Science Foundation, Department of Energy, Department of Defense, and NASA, allocate significant resources to support extensive research programs in aerospace engineering. Moreover, many industries, particularly in the State of Florida, are invested in aerospace and are actively seeking knowledgeable professionals in this field.

The demand for aerospace engineers is particularly pronounced in high-technology sectors that support aircraft development such as manufacturing, electronics, human performance in space, and sensing. The Bureau of Labor Statistics anticipates a 6% percent growth in the employment of aerospace engineers from 2022 to 2032 (<https://data.bls.gov/projections/occupationProj>). Florida, with its significant presence in aerospace, defense, marine, and space industries, hosts major players like Lockheed Martin, Boeing, Raytheon, Northrop Grumman, and General Dynamics, all of which employ aerospace engineers. These professionals are crucial for the development and application of new materials and structures for lighter, fuel efficient, and agile military aircraft and cutting-edge commercial planes. Nationally renowned companies like Boeing, General Dynamics, GE, Lockheed Martin, and Northrop Grumman heavily involve aerospace engineers in key roles. The anticipated percent growth in employment of aerospace engineers from 2023-2031 is 18.4% in Florida – which is **three** times the national growth rate.

Aerospace engineering (AE) graduates find opportunities not only in corporate settings but also in national and industrial labs, contributing to research and development. The expanding budgets of federal agencies' Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs in AE fields indicate a growing demand for AE graduates. Recent placements from FAMU and FSU's Mechanical Engineering program highlight the strength of the job market, with graduates assuming leadership roles in big and small high-tech businesses. Notable employers include Space-X, Boeing, Northrop Grumman, and various national labs.

The Mechanical Engineering Department Chair has engaged with select companies and the Eglin Air Force Research Laboratory to explore their potential hiring of MS and PhD graduates in Aerospace Engineering. Positive responses indicate a demand for MS and doctoral-prepared graduates in AE. The salary outlook for these graduates is promising, with recent Ph.D. recipients from the existing program earning upwards of approximately \$126,880 per year (<http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections>).

## National and Florida Workforce Demand

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

### Occupational Linkages for the Proposed Program

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

Complete the table below and summarize its contents in narrative form. Include data for all linked occupations, including those in the table above. Use data from the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

### Labor Market Demand, CIP Code 14.0201

Occupations	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level Needed for Entry
	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	
Aerospace Engineer	18.4%	6.1%	499	3,800	1,085	3,900	Bachelor's
Engineering Teachers, Post secondary	15.8%	9.3%	89	4,100	128	4,200	Doctoral Degree (Ph.D.)

Sources:

Date Retrieved: 02/21/2024

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

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

**B. Provide and describe data that support student demand for the proposed program. Include questions asked, results, and other communications with**

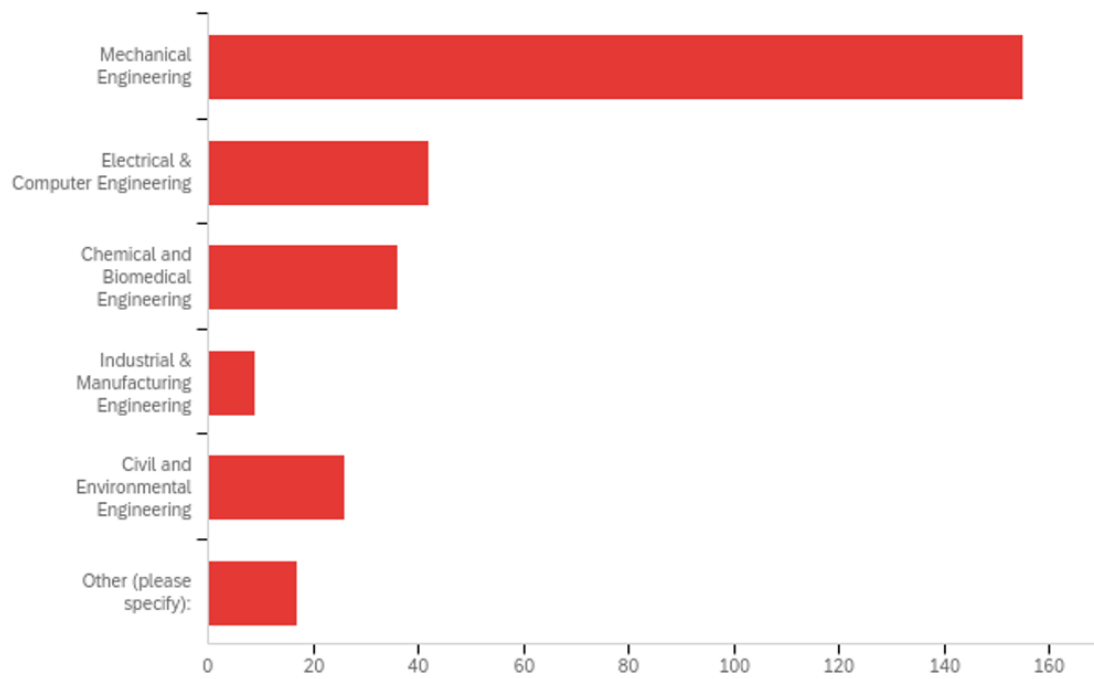
**prospective students.**

Prospective students are drawn to the prospect of enrolling in a graduate degree program in aerospace engineering due to the diverse career opportunities available in commercial aviation, defense, space exploration, and research. Pursuing a graduate degree is seen as a pathway to acquiring specialized knowledge and skills that can unlock lucrative and thrilling career paths. Florida, recognized as a hub for aerospace opportunities, provides an array of possibilities, including:

- **NASA and Space Industry:** The presence of the esteemed Kennedy Space Center offers aerospace engineers the chance to engage in various NASA missions, encompassing spacecraft launches and maintenance, research initiatives, and contributions to space exploration. Leading private space industry players like SpaceX, Blue Origin, and Boeing have firmly established themselves in Florida.
- **Defense and Military:** Florida is home to key military bases such as Eglin, Tyndall, and MacDill Air Force Research Laboratories, presenting opportunities in defense projects and technology. Aerospace engineers can contribute to defense-related initiatives, including the development of military aircraft, missile systems, and other defense technologies.
- **Commercial Aviation:** Prominent companies like Embraer, Spirit AeroSystems, and Lockheed Martin have a significant presence in Florida, offering compelling career opportunities for Ph.D. graduates.
- **Space Tourism:** The emerging sector of space tourism, led by companies like Virgin Galactic and Blue Origin, presents exciting prospects for aerospace engineers with graduate degrees to contribute to this groundbreaking industry.
- **Education and Research:** Aerospace engineers holding a PhD can explore opportunities in teaching, research, and curriculum development, contributing to the academic and research landscape of aerospace engineering.

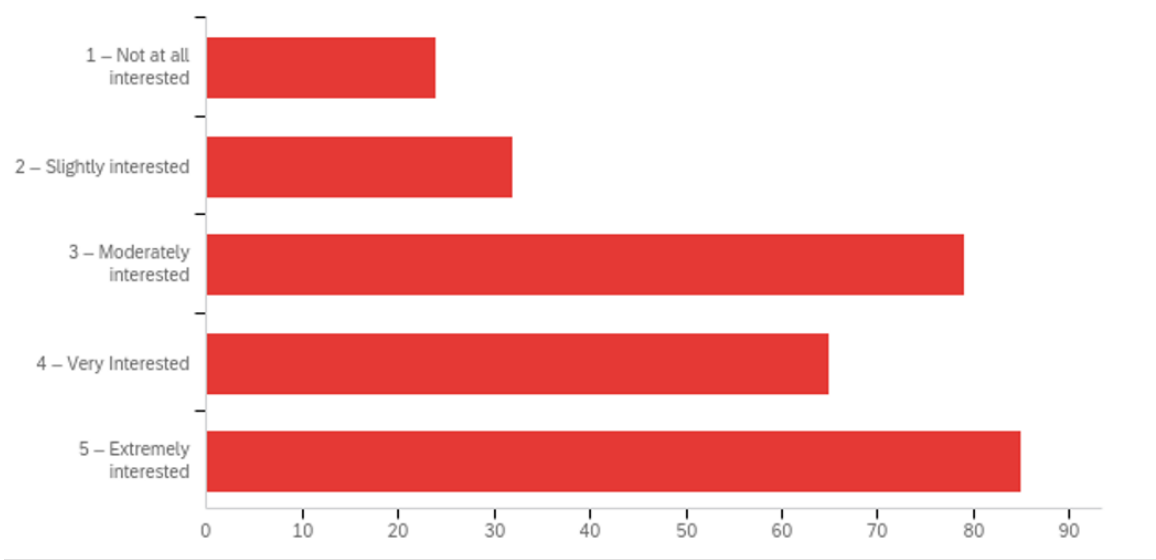
The FAMU-FSU College of Engineering conducted a survey to assess students' interest in pursuing graduate studies in Aerospace Engineering. The survey included the following questions, and it received responses from 289 individuals.

Q1 - What is your current undergraduate major or field of study?



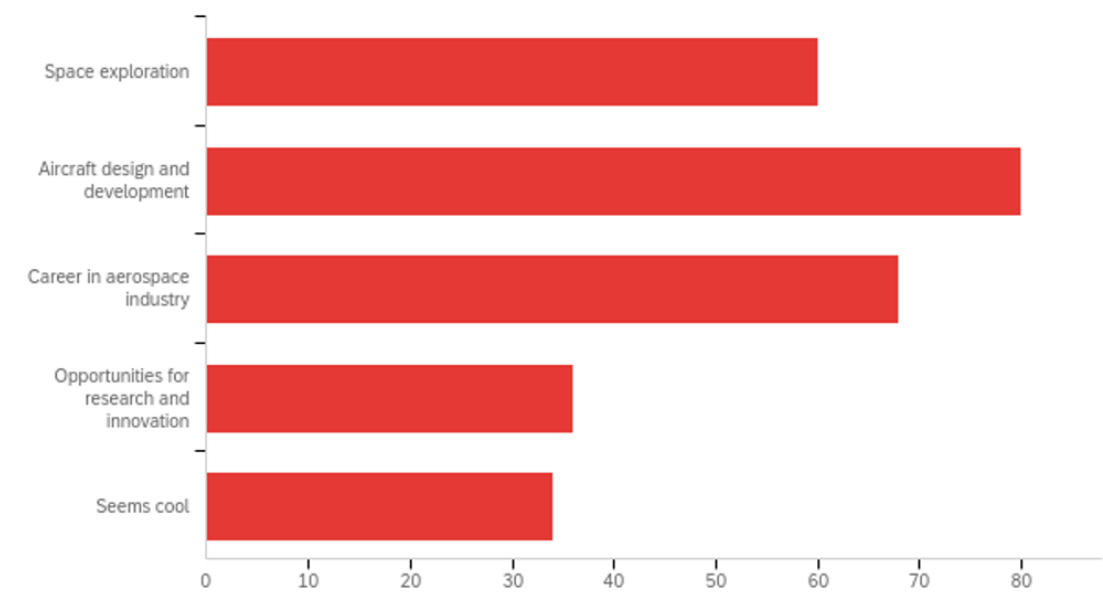
#	Answer	%	Count
1	Mechanical Engineering	54.39%	155
2	Electrical & Computer Engineering	14.74%	42
3	Chemical and Biomedical Engineering	12.63%	36
4	Industrial & Manufacturing Engineering	3.16%	9
5	Civil and Environmental Engineering	9.12%	26
6	Other (please specify):	5.96%	17
	Total	100%	285

Q2 - On a scale of 1 to 5, how interested are you in pursuing graduate studies in aerospace engineering at FAMU-FSU COE?



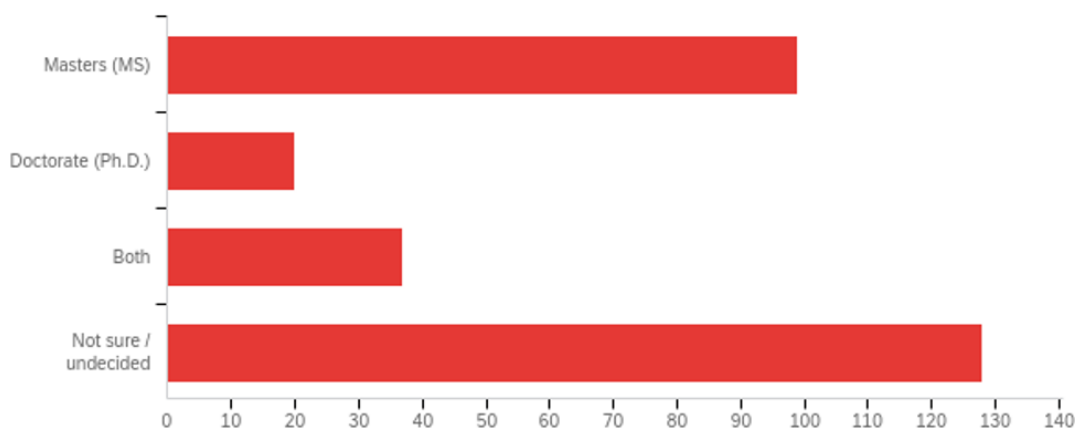
#	Answer	%	Count
1	1 – Not at all interested	8.42%	24
2	2 – Slightly interested	11.23%	32
3	3 – Moderately interested	27.72%	79
4	4 – Very Interested	22.81%	65
5	5 – Extremely interested	29.82%	85
	Total	100%	285

Q3 - What motivates your interest in pursuing graduate studies in aerospace engineering?



#	Answer	%	Count
1	Space exploration	21.58%	60
2	Aircraft design and development	28.78%	80
3	Career in aerospace industry	24.46%	68
4	Opportunities for research and innovation	12.95%	36
5	Seems cool	12.23%	34
	Total	100%	278

Q4 - 4. Are you interested in Masters or Doctorate program at FAMU-FSU COE?



#	Answer	%	Count
1	Masters (MS)	34.86%	99
2	Doctorate (Ph.D.)	7.04%	20
3	Both	13.03%	37
4	Not sure / undecided	45.07%	128
	Total	100%	284

**C. Complete Appendix A – Table 1 (1-A for undergraduate and 1-B for graduate) with projected student headcount (HC) and full-time equivalents (FTE).**

- Undergraduate FTE must be calculated based on 30 credit hours per year
- Graduate FTE must be calculated based on 24 credit hours per year

**In the space below, explain the enrollment projections. If students within the**

**institution are expected to change academic programs to enroll in the proposed program, describe the anticipated enrollment shifts and impact on enrollment in other programs.**

#### Year One

New students (PhD HC=6, FTE=6, MS HC=19, FTE=12) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. After full implementation and development of marketing strategies, the program anticipates growing the program each year until it reaches approximately 24 PhD students (FTE=18) and 65 masters students (FTE=51) by year five. These estimates are based on five year historical numbers at the University of Florida and the University of Central Florida. With additional marketing efforts, the program may expand enrollment in the out years.

#### Year Two

New students (PhD HC=9, FTE=9, MS HC=34, FTE=26) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

#### Year Three

New students (PhD HC=14, FTE=10, MS HC=48, FTE=37) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

#### Year Four

New students (PhD HC=20, FTE=16, MS HC=63, FTE=53) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

#### Year Five

New students (PhD HC=24, FTE=18, MS HC=65, FTE=51) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree

programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

**D. Describe the anticipated benefits of the proposed program to the university, local community, and the state. The benefits of the program should be described both quantitatively and qualitatively.**

Anticipated benefits of introducing a program in aerospace engineering are extensive, promising numerous advantages for FAMU, FSU, the Panhandle region, the State of Florida, and the nation. These encompass the following:

- Create avenues for recruiting students interested in pursuing Aerospace Engineering and establish an educational framework for them to obtain a graduate degree.
- Leverage significant investments from FAMU and FSU in start-up packages and infrastructure support for faculty researching emerging fields.
- Introduce a cost-effective STEM program.
- Enhance research visibility for the FAMU-FSU College of Engineering.
- Expand opportunities for FAMU and FSU to secure more substantial funding for aerospace research, especially interdisciplinary grants.
- Address the pressing educational need to produce more engineers in the U.S. and Florida, particularly in aerospace.

Contribute to research, economic development, and job creation in the Panhandle region and across the State.

- Enhance the Nation's technical capability by attracting researchers and supporting new product development.
- Assist in overcoming the underrepresentation of minorities in STEM, particularly in engineering. The FAMU-FSU College of Engineering has demonstrated progress in this area, ranking fourth nationally in producing PhDs for African Americans.

**E. If other public or private institutions in Florida have similar programs at the four- or six-digit CIP Code or in other CIP Codes where 60 percent of the coursework is comparable, identify the institution(s) and geographic location(s). Summarize the outcome(s) of communication with appropriate personnel (e.g., department chairs, program coordinators, deans) at those institutions regarding the potential impact on their enrollment and opportunities for possible collaboration in the areas of instruction and research.**

Two programs in the State of Florida have Aerospace Engineering graduate programs - the University of Florida and the University of Central Florida. The Chair, William S. Oates, has spoken to both department chairs at these universities to discuss potential impact and collaboration opportunities with these existing programs; see Appendix B.



- F. If the proposed program substantially duplicates a program at Florida Agricultural and Mechanical University (FAMU), a letter of support from FAMU must be provided. The letter must address whether the proposed program may adversely affect FAMU's ability to achieve or maintain student diversity in its existing program. The institution's Equal Opportunity Officer shall review this section of the proposal, sign, and date the additional signature page to indicate that all requirements of this section have been completed.**

There is currently no Aerospace Engineering program offered through the FAMU-FSU College of Engineering. FAMU offers undergraduate Architecture and Engineering Technology degrees; however, these programs are distinctly different from aerospace engineering.

#### **IV. Curriculum**

- A. Describe all admission standards and all graduation requirements for the program. Hyperlinks to institutional websites may be used to supplement the information provided in this subsection; however, these links may not serve as a standalone response. For graduation requirements, describe any additional requirements that do not appear in the program of study (e.g., milestones, academic engagement, publication requirements).**

#### **Master's Program**

Prospective students must have a BS degree (or a recognized equivalent) in Mechanical or Aerospace Engineering or any one of the following related fields: Any Engineering Major, Chemistry, Computer Science, Materials Science, Mathematics/Applied Mathematics, or Physics/Applied Physics. Non-majors, students without a BS degree in Mechanical Engineering, may be required to take up to twelve credit hours of remedial coursework in Mechanical Engineering as a condition of admission.

Applicants must have at least a 3.0 upper-division GPA and GRE General Exam scores or an approved GRE waiver. International students must take the TOEFL exam and score at least 550 on the paper-based exam, 213 on the computer-based exam, or 80 on the Internet-based exam. Other acceptable English Language Proficiency Exam scores are as follows: Pearson Test in English (50), Duolingo (120), Cambridge C1 Advanced Level (180), and Michigan Language Assessment (55). Applicants must also submit a personal/research statement, résumé, and three letters of recommendation. Please visit the department website for additional details: <https://eng.famu.fsu.edu/me>.

*Note:* Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this test, go to <https://ets.org/gre>.

#### **Ph.D. Program**

Prospective students must have an MS degree in Mechanical or Aerospace Engineering or any one of the following related fields: any Engineering Major, Chemistry, Computer Science, Materials Science, Mathematics/Applied Mathematics, or Physics/Applied Physics. Non-majors, students without a BS degree in Mechanical or Aerospace

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Engineering, may be required to take up to 12 credit hours of remedial coursework in Mechanical Engineering as a condition of admission.

Applicants must have at least a 3.0 upper-division GPA and GRE General Exam scores or an approved GRE waiver. International students must take the TOEFL Exam and score at least 550 on the paper-based exam, 213 on the computer-based exam, or 80 on the Internet-based exam. Other acceptable English Language Proficiency Exam scores are as follows: Pearson Test in English (50), Duolingo (120), Cambridge C1 Advanced Level (180), and Michigan Language Assessment (55). Applicants must also submit a personal statement, résumé, and three letters of recommendation. Please visit the department website for additional details: <https://eng.famu.fsu.edu/me>.

*Note:* Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this test, go to <https://ets.org/gre>.

### **BS to PhD Program**

In addition to the standard PhD program the department offers a direct BS to PhD program. This program is limited to students with excellent academic transcripts and demonstrated potential for advanced research. Applicants must submit strong letters of recommendation from professors or persons qualified to evaluate their academic potential. Admission to the program is finalized at the end of the second semester. During their first two semesters, students must maintain a minimum graduate GPA of 3.50. Final admission to the PhD program is granted by the Graduate Committee.

Students initially admitted to the master's program may request a transfer to the BS-PhD program at the end of their second semester. The student must have maintained a graduate GPA of 3.50 or better during their first two semesters.

**B. Describe the specific expected student learning outcomes associated with the proposed program and include strategies for assessing the proposed program's learning outcomes. If the proposed program is a baccalaureate degree, include a hyperlink to the published Academic Learning Compact and the document itself as Appendix C.**

#### Institutional Effectiveness (IE) for Aerospace Engineering – PhD

- Program Outcome (PO) Name: Time to Degree
  - PO Statement: Doctoral students will progress in the Aerospace Engineering program at adequate pace.
  - PO Assessment Plan: For this PO, we will track how many of our doctoral students progress from matriculation to graduation within five years, which is the expected program duration. To calculate the completion rate, we will take the number of students who earn their doctorate in a given academic year (defined as Summer, Fall, Spring) and divide it by the total number of students in the original cohort from five years ago (Summer, Fall, Spring). This

performance objective will be assessed by official FAMU-FSU College of Engineering enrollment and graduation statistics.

- PO Numeric Target: At least 80% of doctoral students in a cohort will graduate with their doctorate in Aerospace Engineering within 5 years from the matriculation year.
- Student Learning Outcome (SLO) Name: Oral Communication and Presentation Skills
  - SLO Statement: Upon completion of the course of instruction, the student will communicate effectively through oral and visual means.
  - SLO Assessment Plan: PhD committees are formed with a minimum of four members (chair, university representative, member in-area, member-out of area). The university representative is outside of the department. The student's adviser will gather completed rubrics, securely store them, and compile the scores for the annual assessment report. The 'Oral Communication and Presentation Skills' are evaluated based on whether: The dissertation defense was presented using a clear and logical structure, engaging delivery, appropriate voice, and effective visuals, and with evidence of prior rehearsal. The 'Oral Communication and Presentation Skills' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).
  - SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on the rubric criterion 'Oral Communication and Presentation Skills' from all committee members.
- Student Learning Outcome (SLO) Name: Research Skills
  - SLO Statement: Students will review literature, apply research methodologies, and analyze and interpret data and results.
  - SLO Assessment Plan: The 'Research Skills' are evaluated based on three criteria (each one is evaluated separately as a distinct criterion in the corresponding rubric). 'Literature Review' criterion: The student exhibits a thorough and comprehensive understanding of the research topic, providing a critical examination of relevant literature. 'Methodology' criterion: Thorough, clear, and well-justified, covering research design, data collection, and analysis comprehensively. 'Results and Discussion' criterion: Clear, accurate, and comprehensive, addressing the research question with appropriate data and analysis. Insightful, coherent, and well-structured interpretation of results. Addresses study's applications, limitations, and contributions. The three criteria falling under 'Research Skills' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).
  - SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on all three rubric criteria that fall under the

'Research Skills' umbrella (Literature review, methodology, and results and discussion) from all committee members.

### Institutional Effectiveness (IE) for Aerospace Engineering – MS

- Program Outcome (PO) Name: Time to Degree
  - PO Statement: Master's students will progress in the Aerospace Engineering program at adequate pace.
  - PO Assessment Plan: For this PO, we will track how many of our master's students progress from matriculation to graduation within two years, which is the expected program duration. To calculate the completion rate, we will take the number of students who earn their master's in a given academic year (defined as Summer, Fall, Spring) and divide it by the total number of students in the original cohort from two years ago (Summer, Fall, Spring). This performance objective will be assessed by official FAMU-FSU College of Engineering enrollment and graduation statistics.
  - PO Numeric Target: At least 80% of master's students in a cohort will graduate with their MS in Aerospace Engineering within 2 years from the matriculation year.
  
- Student Learning Outcome (SLO) Name: Oral Communication and Presentation Skills
  - SLO Statement: Upon completion of the course of instruction, the student will communicate effectively through oral and visual means.
  - SLO Assessment Plan: For non-thesis students, we will employ a rubric for their project presentation in EAS 5102. For thesis students, we will utilize the same rubric for their thesis defense.
    - *Non-Thesis Students:* The 'Oral Communication and Presentation Skills' are evaluated based on whether: Design project presentation in the required course (EAS 5102 Fundamentals of Aerodynamics) has a clear and logical structure, engaging delivery, appropriate voice and effective visuals, and evidence of rehearsal. The 'Oral Communication and Presentation Skills' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point). The course instructor will gather completed rubrics, securely store them, and compile the scores for the annual assessment report.
    - *Thesis Students:* MS (Master's) committees are formed with a minimum of three members (chair, member in-area, member-out of area). The student's adviser will gather completed rubrics, securely store them, and compile the scores for the annual assessment report. The 'Oral Communication and Presentation Skills' are evaluated based on whether: The thesis defense has a clear and logical structure, engaging delivery, appropriate voice and effective visuals, and evidence of rehearsal. The 'Oral Communication and Presentation Skills' are

evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).

- SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on the rubric criterion 'Oral Communication and Presentation Skills'.
- Student Learning Outcome (SLO) Name: Review of Applicable Theories and Literature
  - SLO Statement: Students will demonstrate broad knowledge of disciplinary fundamentals.
  - SLO Assessment Plan: For non-thesis students, we will employ a rubric for their project presentation in EAS 5102. For thesis students, we will utilize the same rubric for their thesis defense.
    - *Non-Thesis Students:* The 'Literature Review' are evaluated based on: A class (EAS 5102 Fundamentals of Aerodynamics) project to evaluate a student's understanding of essential concepts, theories, and foundational principles within the discipline. The 'Literature Review' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point). The course instructor will gather completed rubrics, securely store them, and compile the scores for the annual assessment report.
    - *Thesis Students:* MS (Master's) committees are formed with a minimum of three members (chair, member in-area, member-out of area). The student's adviser will gather completed rubrics, securely store them, and compile the scores for the annual assessment report. The 'Literature Review' are evaluated based on: The student exhibits a thorough and comprehensive understanding of the research topic, providing a critical examination of relevant literature. The 'Literature Review' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).
  - SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on the rubric criterion 'Literature Review'.

**C. If the proposed program is an AS-to-BS capstone, provide evidence that it adheres to the guidelines approved by the Articulation Coordinating Committee for such programs, as outlined in [State Board of Education Rule 6A-10.024](#). Additionally, list any prerequisites and identify the specific AS degrees that may transfer into the proposed program.**

☒ **Not applicable to this program because it is not an AS-to-BS Capstone.**

**D. Describe the curricular framework for the proposed program, including the following information where applicable:**

- total number of semester credit hours for the degree

- **number of credit hours for each course**
- **required courses, restricted electives, and unrestricted electives**
- **a sequenced course of study for all majors, concentrations, tracks, or areas of emphasis**

FAMU and FSU students will follow an identical curriculum. Throughout their Aerospace Engineering program, students will participate in the Interdisciplinary Seminar Series (0 credits). The curricular framework for MS and PhD programs is detailed below.

## **Master's Program**

### *I. Thesis Option*

Aerospace Engineering students must take the following minimum distribution of courses for a total of 30 credit hours:

#### **Core Courses**

##### **Nine credit hours:**

- EML 5060 Analysis in Mechanical Engineering, and
- Two core courses in the major area (either Dynamics and Controls, Fluid Mechanics and Heat Transfer, or Solid Mechanics and Materials Science)

##### **Core courses in Dynamics and Controls:**

- EGM 5444 Advanced Dynamics
- EML 5317 Advanced Design and Analysis of Control Systems
- EML 5361 Multivariable Control
- EML 5930r Special Topics in Mechanical Engineering

##### **Core courses in Fluid Mechanics and Heat Transfer:**

- EML 5152 Fundamentals of Heat Transfer
- EML 5155 Convective Heat and Mass Transfer
- EML 5709 Fluid Mechanics Principles with Selected Applications
- EML 5930r Special Topics in Mechanical Engineering

##### **Core courses in Solid Mechanics and Materials Science:**

- EGM 5611 Introduction to Continuum Mechanics
- EML 5930r Special Topics in Mechanical Engineering

#### **Aerospace Engineering Courses**

- Six credit hours: two courses in Aerospace Engineering.

#### **Electives**

##### **Nine credit hours:**

- Select three graduate-level courses in any engineering field, mathematics, or any

science discipline (computer science, physics, etc.).

- Courses must be selected in consultation with the student's major professor.
- One of the three electives may include EML 5905 Directed Individual Study or EML 5910 Supervised Research.

## **Thesis**

### **Six credit hours:**

- EML 5971 Thesis, and
- EML 8976 Master's Thesis Defense

## *II. Non-Thesis Option*

The non-thesis option requires 30 credit hours, of which at least 27 credit hours must be letter-graded courses. Students must complete 21 credit hours of coursework within aerospace or mechanical engineering. Nine credit hours may be taken outside the department in any of the following areas: engineering, mathematics, or any science discipline (computer science, physics, etc.).

## **Ph.D. Program**

The standard PhD program requires 48 credit hours of coursework, of which at least 24 credit hours must be dissertation hours. The remaining letter-graded credit hours are divided into three areas:

### **General Engineering and Mathematics**

Students must complete six credit hours of general engineering and advanced mathematics courses. One of those courses must be EML 5061 Analysis in Mechanical Engineering II. The remaining course must be from the approved course list. See the department website for the approval list.

### **Electives**

Students must complete 18 credit hours of graduate-level, letter-graded electives. Courses may be taken in any engineering program, mathematics, and/or any science discipline.

## **BS to PhD Program**

The BS-PhD program requires 60 credit hours of coursework, of which at least 24 credit hours must be dissertation hours. The remaining 36 letter-graded credit hours are divided into five areas:

### **General Engineering and Mathematics**

Students must complete 9 credit hours of general engineering and advanced mathematics courses at the 5000 or higher level. One of those courses must be EML 5061 Analysis in Mechanical Engineering II. The remaining course must be from the approved course list. See the department website for the approval list.

### **Core Courses**

Students must complete EML 5060 Analysis in Mechanical Engineering I and two courses

in their chosen depth area for 9 semester hours.

## **Aerospace Engineering Courses**

Students must complete 6 credit hours of general aerospace-engineering courses.

### **Electives**

Students must complete 12 credit hours of electives. Courses may be taken in any engineering program, mathematics, and/or any science discipline. Students may substitute one elective course with a Directed Individual Study (DIS) course or Supervised Research (SR) course.

## **Additional Requirements**

### **Preliminary Examination**

All PhD students must register for and pass EML 8968 (Preliminary Examination) before their fourth semester ends. The exam is designed to evaluate a student's grasp of a specified spectrum of Aerospace Engineering (at the undergraduate level) and their ability to think creatively. It consists of an oral examination following a written research proposal and is administered each term. After passing the exam, the student will be granted doctoral candidacy status, allowing them to register for dissertation credit hours.

### **Prospectus Defense**

Within one year of obtaining candidacy status each PhD student must present a prospectus to their committee on a research project suitable for a doctoral dissertation. A forty-five-minute presentation of the proposed dissertation topic will be presented to the students' graduate committee for approval.

### **Dissertation Defense**

Demonstrated ability to perform original research at the forefront of mechanical engineering is the final and major criterion for granting the doctoral degree. The candidate's dissertation serves, in part, to demonstrate such competence; on completion it is defended orally in a public seminar before the doctoral dissertation committee, which may then recommend the awarding of the degree.

## **E. Provide a brief description for each course in the proposed curriculum.**

Below is the brief description of courses for the proposed curriculum. The definition of the prefixes used are:

**EAS**—Aerospace Engineering

**EGM**—Engineering Science

**EGN**—Engineering: General

**EMA**—Materials Engineering

**EML**—Engineering: Mechanical



- **EAS 5102. Fundamentals of Aerodynamics (3).** Prerequisites: EML 3015C and EML 3016C. This course includes fundamental fluid mechanics and aerodynamic principles in the design of airfoil and aircraft wings. The course provides a comprehensive review concerning applications, technological advances, and social impacts on the development of a modern flight vehicle.
- **EGM 5330. Random Data Measurement and Analysis (3).** Prerequisite: Graduate standing or instructor permission. This course explores random data, mean values, mean-square values, probability density and distribution functions, moments and characteristic functions, spectral and correlation analysis; bias and random error estimates in data measurements; input-output system models; measurement examples.
- **EGM 5348. Introduction to Scientific and High-Performance Computing (4).** Prerequisites: an understanding of linear algebra and knowledge of a programming language (C, C++, FORTRAN) or a scripting language (MATLAB, Python). This course covers fundamental concepts for scientific computing such as numerical solution methods, error analysis, and parallelization methodologies. Students explore essential tools and environments for high-performance computing and consider effective use of computational resources.
- **EGM 5444. Advanced Dynamics (3).** Prerequisite: EGN 3321, EML 3220, and MAP 3306. In this course, topics include particle and rigid body kinematics, particle and rigid body kinetics, D'Alembert Principle, LaGrange's equations of motion, system stability, computational techniques, orbital dynamics, multi-body dynamics.
- **EGM 5611. Introduction to Continuum Mechanics (3).** Prerequisite: Graduate standing. Solid and fluid continua. Cartesian tensor theory. Kinematics of infinitesimal deformation, relations between stress, strain, and strain rate for elastic, plastic, and viscous solids and for compressible and viscous fluids. General equations of continuum mechanics, integral forms, and their physical interpretation. Particular forms of equations and boundary conditions for elastic and viscoelastic solids and Newtonian fluids.
- **EGM 5612. Solid Mechanics and Electromagnetics of Continuous Media (3).** Prerequisites: Familiarity with topics of strength of materials, concepts of stresses and strains, a basic understanding of thermodynamics and electromagnetics. This course introduces concepts of continuum thermo-mechanics and electromagnetics with application in solving field-coupled boundary value problems.
- **EGM 5810. Viscous Fluid Flows (3).** Prerequisite: EML 5709. Presents the basic fundamentals underlying the mechanics of gas, air, and fluid flows. Discussion of the possible methods of estimating and predicting the characteristics and parameters governing those flows.
- **EGM 6845. Turbulent Flows (3).** Prerequisite: EML 5709. In-depth study of turbulent, flows, statistical description of turbulence; instability and transition; turbulence closure modeling; free shear and boundary layer flows; complex shear flows; development of computational strategies; recent literature on applications and chaos phenomena.
- **EMA 5226. Mechanical Metallurgy (3).** Prerequisites: EML 3234. Tensile instability,

crystallography, theory of dislocations, plasticity, hardening mechanisms, creep and fracture, electron microscopy, composite materials.

- **EMA 5514. Electron Microscopy (3).** Prerequisite: Instructor permission. This course focuses on fundamentals and techniques of electron microscopy as applied to the determination of physical, chemical, and structural properties of materials and materials behavior in practice.
- **EMA 5814. Computational Material Physics (3).** This course covers numerical simulation techniques for predicting various physical properties of conventional materials, nanomaterials, and biomaterials. Students use computational material physics tools to understand, predict, and design new materials and guide experimental studies at the atomistic level.
- **EML 5042. Modeling and Simulation of Mechanical Systems (3).** Prerequisites: EML 3014C, EML 3018C, or instructor permission. This course is an introduction to various concepts of modeling and simulation of mechanical systems, including models of systems, numerical solutions of ODEs, software tools for modeling and simulation of complex mechanical systems.
- **EML 5045. Manufacturing Processes Control (3).** Prerequisites: EML 3234 and EML 3012C. Corequisites: EML 4312 or EML 5311. This course introduces essential knowledge in the control of manufacturing systems and processes.
- **EML 5060. Analysis in Mechanical Engineering (3).** Prerequisite: Graduate standing in mechanical engineering. Familiarizes the student with methods of analysis in mechanical engineering. Surveys applications of integration and series, ordinary and partial differential equations, and linear algebra.
- **EML 5061. Analysis in Mechanical Engineering II (3).** Prerequisite: EML 5060 or equivalent. This course familiarizes students with applications of vector calculus and partial differential equations in mechanical engineering.
- **EML 5072. Applied Superconductivity (3).** Prerequisites: EEL 3472; EML 3100; EML 3234; PHY 3101. Introduction to superconductivity for applications, fundamentals of the superconducting state, transport current and metallurgy of superconductors, Superconducting electrons and magnets, system engineering.
- **EML 5103. Advanced Engineering Thermodynamics (3).** Prerequisite: Graduate standing in mechanical engineering. This course in thermal fluids covers the axiomatic formulations of the first and second laws of thermodynamics; general thermodynamic relationships and properties of real substances; energy, exergy, and second-law analysis of energy-conversion processes; reactive systems and multiphase equilibrium; entropy generation minimization and thermodynamic optimization; as well as applications to low-temperature refrigeration and power-generation systems.
- **EML 5152. Fundamentals of Heat Transfer (3).** Prerequisite: Graduate standing in mechanical engineering. This is an introductory course in basic heat transfer concepts. Topics include conduction and heat diffusion equation, forced and free convection, radiative heat transfer, boiling heat transfer, and condensation.

- **EML 5155. Convective Heat and Mass Transfer (3).** Prerequisites: EGM 5810; EML 5152. Familiarizes the student with methods to evaluate a convection heat transfer coefficient and a mass transfer coefficient for a variety of engineering applications. Evaluation of the driving force in mass transfer and combined problems.
- **EML 5162. Cryogenics (3).** Prerequisites: EML 3015C, EML 3016, and EML 3234. Miscellaneous requirement: EML 4512 and PHY 3101 are recommended. This course focuses on the fundamental aspects of cryogenics system and engineering properties of materials and fluids at low temperatures; cryogenic heat transfer and fluid dynamics, low temperature refrigeration and system engineering.
- **EML 5224. Acoustics (3).** Prerequisites: EML 3015C, EML 3016C. Corequisite: EML 5710. This course provides an introduction to physical acoustics with an emphasis on a thermal-fluids perspective.
- **EML 5289. Vehicle Design (3).** Prerequisites: EML 3014C and EML 3018C, or instructor permission. This is an introductory course in vehicle design concentrating primarily on vehicle dynamics. Students examine the key features of vehicle design that relate to performance: suspension, steering, chassis, and tires. By using the latest in industry standard software, students consider the various design parameters influencing vehicle performance and handling.
- **EML 5311. Design and Analysis of Control Systems (3).** Prerequisite: MAP 3306. Mathematical modeling of continuous physical systems. Frequency and time domain analysis and design of control systems. State variable representations of physical systems.
- **EML 5317. Advanced Design and Analysis of Control Systems (3).** Design of advanced control systems (using time and frequency domains) will be emphasized. Implementation of control systems using continuous (operational amplifier) or digital (microprocessor) techniques will be addressed and practiced.
- **EML 5361. Multivariable Control (3).** Prerequisite: EML 4312 or 5311. Course covers H<sub>2</sub> and H<sub>∞</sub> control design for linear systems with multiple inputs and multiple outputs and globally optimal techniques, fixed-structure (e.g., reduced-order) techniques. Includes introductory concepts in robust control.
- **EML 5422. Fundamentals of Propulsions Systems (3).** Prerequisite: EML 3015C, EML 3016C, and graduate standing in mechanical engineering. This course offers an analysis of the performance of propulsion systems using fundamental principles of thermodynamics, heat transfer, and fluid mechanics. Systems studied include turbojet, turbofan, ramjet engines, as well as piston-type internal combustion engines.
- **EML 5451. Energy Conversion Systems for Sustainability (3).** Prerequisites: Requires graduate standing. This course discusses the challenge of making the global energy system independent of finite fossil-energy sources and, instead, dependent on environmentally sustainable energy sources. The course emphasizes strategies for producing energy that is free of greenhouse-gas emissions, including renewable energy sources such as solar, wind, and biomass. The course focuses on direct energy conversion and covers topics such as photovoltaic cells, fuel cells, and thermoelectric systems.

- **EML 5453. Sustainable Power Generation (3).** Prerequisites: EML 4450 or EML 5451 or graduate student standing in engineering or sciences. This course is a continuation of sustainability energy-conversion systems and focuses on solar electricity, biopower, biofuels, and hydrogen. The course also discusses the practicality of hydrogen-based transportation.
- **EML 5525. Design and Modeling for Manufacturing Processes (3).** Prerequisites: EML 3012C and EML 3018C. This course covers descriptive and analytical treatment of manufacturing processes and production equipment, automation, as well as applications of mechanics stress analysis, vibrations, heat transfer. The course includes discrete time simulation.
- **EML 5537. Design Using FEM (3).** The Finite Element Method - what it is, elementary FEM theory, structures and elements, trusses, beams, and frames, two-dimensional solids, three-dimensional solids, axisymmetric solids, thin-walled structures, static and dynamic problems, available hardware and software, basic steps in FEM analysis, pre/post processing, interpretation of results, advanced modeling techniques, design optimization, advanced materials using FEM.
- **EML 5543. Materials Selection in Design (3).** Prerequisite: EML 3234 or equivalent. This course examines the application of materials predicated on material science and engineering case studies covering most engineering applications.
- **EML 5705. Active Flow Control (3).** Prerequisites: EML 3014C (or an equivalent undergraduate controls course) and EML 5709. This course covers active flow control. Active flow control is a rapidly emerging field of significant technological importance to the design and capability of a new generation of fluid systems, spawning major research initiatives in government industry, and academic sectors.
- **EML 5709. Fluid Mechanic Principles with Selected Applications (3).** Prerequisites: Graduate standing in mechanical engineering, EML 3015, and EML 5060 (or other course equivalents). This course explores introductory concepts, description, and kinematical concepts of fluid motion, basic field equations, thermodynamics of fluid flow, Navier-Stokes equations, elements of the effects of friction and heat flow, unsteady one-dimensional motion, selected nonlinear steady flows.
- **EML 5710. Introduction to Gas Dynamics (3).** Prerequisite EML 3016C. This course concentrates on the unique features of compressibility in fluid mechanics. It provides the student with knowledge and understanding of the fundamentals of compressible fluid flow and is basic to studies in high-speed aerodynamics, propulsion, and turbomachinery.
- **EML 5725. Introduction to Computational Fluid Dynamics (3).** Prerequisite: EML 5709. Topics for this course include introduction to conservation laws in fluid dynamics; weak solutions; solving the full potential equations for subsonic, transonic, and supersonic flows; solving system of equations. In particular, upwind schemes and flux splitting will be introduced in solving the Euler equations. Coordinate transformation and grid generation methods will also be covered.
- **EML 5802. Introduction to Robotics (3).** Prerequisite: Graduate standing in

mechanical engineering. This course studies the fundamentals of robot operation and application including basic elements, robot actuators and servo-control, sensors, senses, vision, voice, microprocessor system design and computers, kinematic equations, and motion trajectories.

- **EML 5803. Mechatronics II (3).** This course focuses on developing greater competence in the application of electromechanical components to solve engineering problems and build 'smart' systems. The course focuses on the design interplay between electrical and mechanical systems. Students use microprocessors, circuits, sensors, and actuators in both labs and projects to develop multi-purpose electromechanical devices. The course provides instruction and practical exercises in programming, electronics, signal conditioning, communication protocols, mechanical design, prototyping techniques, and system integration.
- **EML 5831. Introduction to Mobile Robotics (2).** Prerequisite: EML 3811 and EML 3811L or instructor permission. Corequisite: EML 5831L. This course examines kinematic modeling and simulation of mobile robots; mobile robot sensors; fundamental methods of computer vision; Kalman filtering and mobile robot localization; SLAM; path, trajectory planning, and obstacle avoidance; intelligent control architectures; and advanced topics in localization, mapping, and motion planning.
- **EML 5831L. Mobile Robotics Lab (1)** Prerequisite: EML 3811 and EML 3811L or instructor permission. Corequisite: EML 5831. This course offers a hands-on implementation of core and advanced mobile robotics algorithms. In addition, it introduces widely used mobile robotics software packages.
- **EML 5832. Bio/Robotic Locomotion (3).** Prerequisite: Permission of Instructor. This course introduces the fundamental concepts for biological and robotic locomotion with limbs. Muscular-skeletal biomechanics for vertebrate and invertebrate animals are briefly reviewed including an overview of the function of muscles. Morphology, gaits, posture, and the effect of scale on legged locomotion are discussed. The history of legged robots is reviewed. Reduced-order dynamic models of walking and running are introduced. Techniques for analyzing the stability of these periodic hybrid-dynamic systems are covered. The course includes the development and analysis of simulation and hardware platforms of locomotion systems.
- **EML 5930 : Introduction to Bayesian Uncertainty Analysis for Engineers:** This course will introduce students to Bayesian uncertainty analysis in engineering problems. It will compare Bayesian statistics to frequentist statistics. A tutorial based lecture series will be utilized to provide students with hands-on experience computing uncertainty of models in light of data. Matlab code will be provided.
- **EGM 5653 - Theory of Elasticity:** *Prerequisite: EGM 5611.* This is an introductory course which provides background necessary to mechanical engineers who wish to pursue the area of theoretical or analytical solid mechanics. Topics include Cartesian tensors, kinetics and kinematics of motion, constitutive equations, linearized theory of elasticity, and solutions to boundary value problems.
- **EML 5930 Introduction to Hypersonic Flows:** This course is a technical elective course designed for graduate level engineering students in the Aeronautics Track and

area of thermal and fluid sciences. The course includes fundamental of hypersonic aerodynamics and aerothermodynamics. It provides a comprehensive review concerning applications, technological advances, and social impacts on the development of a modern hypersonic flight vehicle. The course provides an overview of the guiding principles, compressible flow simulations and experimental observations to understand hypersonic flows.

- **EML 5905r. Directed Individual Study (1–9).** (S/U grade only). Instructor permission required. Individual study topics are determined by the instructor and student. May be repeated to a maximum of forty-five semester hours.
- **EML 5910r. Supervised Research (1–5).** (S/U grade only). A maximum of three semester hours may apply to the master's degree. May be repeated to a maximum of five semester hours.
- **EML 5930r. Special Topics in Mechanical Engineering (1–6).** Prerequisite: Instructor permission. This course explores various topics in mechanical engineering with emphasis on recent developments. Content and credit will vary. Consult the instructor.
- **EML 5935r. Mechanical Engineering Seminars (0).** (S/U grade only). May be repeated to a maximum of ten times.
- **EML 5946. Professional Internship Experience in Mechanical Engineering (4).** This course provides practical experience through working as an intern at selected industry or research laboratories supervised by the on-the-job mentors and by the Department of Mechanical Engineering. The course is designed to provide the student with professional internship experience in preparation for his/her future career development.
- **EML 5955r. MS Professional Traineeship Project (3–6).** Prerequisite: B.S. degree in Mechanical Engineering (or a related field) and EML 5946. In this two-semester course, students work on practice-oriented engineering design or research development project defined by industry or research laboratories to partially fulfill graduation requirements for the BS-MS professional Traineeship degree.
- **EML 5971r. Master's Thesis Research (1-12.)** (S/U grade only). This course provides a means of registering for thesis research work and recording progress towards its completion. Student must consult with the academic department for appropriate registration of course credit hours. May be repeated to a maximum of forty-five (45) credit hours; repeatable within the same term.
- **EML 6365. Robust Control (3).** Prerequisite: EML 5361. Course covers control design for systems with uncertain dynamics; robust H design, structured singular value synthesis; LMI and Riccati equation solution techniques.
- **EML 6980r. Dissertation (2–9).** (S/U grade only). May be repeated to a maximum of ninety-nine semester hours.
- **EML 8968. Preliminary Doctoral Examination (0).** (P/F grade only.)

- **EML 8976r. Master's Thesis Defense (0).** (P/F grade only.)
- **EML 8985r. Dissertation Defense (0).** (P/F grade only.) May be repeated to a maximum of three times.

The following is a list of new courses that will be developed over the first five years of the program. This list complements existing Mechanical Engineering courses to include additional topics important to aerospace engineering such as rotary wing systems, space applications, structural dynamics, and control.

- **Rotary Wing Aerodynamics:** This course covers vortex wake modeling, analytical inflow theories. Modern computational methods for rotary wing aerodynamic analysis. Aerodynamic Noise.
- **Structural Dynamics:** This course includes modeling of discrete systems; review of linear system theory, mathematical modeling of single-degree-of-freedom (SDOF) systems, viscous damping; structural damping; coulomb damping, Laplace transforms; Harmonic balance; Fourier series; Fourier integral; convolution integral; Duhamel's integral; work, energy, and Lagrange's equations, matrix eigenvalue problems; nature of modes; response of multi-degree-of-freedom systems by modal decoupling; rigid-body modes; stability; Hamilton's principle and calculus of variations, extension and torsion of rods; bending vibration of Euler-Bernoulli beams; bending-shear vibration of Timoshenko beams; beams with axial force, rotating beams; membranes and plates
- **Orbital Mechanics:** First graduate-level astrodynamics class that includes two-body orbital mechanics, orbit determination, orbit prediction, orbital maneuvers, lunar and interplanetary trajectories, orbital rendezvous and space navigation.
- **Planetary Entry, Descent and Landing:** This is a graduate-level elective that provides an integrated overview of planetary entry systems. The course content includes vehicle systems and definition, entry flight mechanics and dynamics, aerothermodynamics and thermal protection systems, aerodynamic decelerators and landing systems, and case studies based on recent robotic and human exploration mission concepts.
- **Introduction to System of Systems Engineering Principles:** This course covers methods related to the study, development, analysis, and design of complex systems and systems of systems. Lectures will cover each method by introducing its theoretical formulation, application criteria, and some example applications. The goal of the course is not to provide comprehensive coverage of each method, but to provide sufficient fundamental coverage of it to allow for the practical use of the methods on the group project.
- **Aerospace Nonlinear Control:** This course covers topics including Dynamical Systems and Differential Equations, Nonlinear Second-Order Dynamical Systems, Stability Theory for Nonlinear Dynamical Systems, Dissipative Theory for Nonlinear Dynamical Systems, Absolute Stability Theory, Input-Output Stability, Nonlinear Control.
- **Fundamentals of Fracture Mechanics:** This course is an advanced study of failure of structural materials under load, mechanics of fracture, and microscopic and macroscopic aspects of the fracture of engineering materials.

- **Composite Materials:** This course is an initial exposure to composite materials. It focuses on how heterogeneity/anisotropy in composites influence thermomechanical behavior. The behavior of both continuous and short fiber reinforced composites will be emphasized. Stress analysis for design, manufacturing processes and test methods of composite materials will be covered.
- F. For degree programs in medicine, nursing, and/or allied health sciences, identify the courses with the competencies necessary to meet the requirements in [Section 1004.08, Florida Statutes](#). For teacher preparation programs, identify the courses with the competencies required in [Section 1004.04, Florida Statutes](#).**
- ☒ **Not applicable to this program because the program is not a medicine, nursing, allied health sciences, or teacher preparation program.**
- G. Describe any potential impact on related academic programs or departments, such as an increased need for general education or common prerequisite courses or an increased need for required or elective courses outside of the proposed academic program. If the proposed program is a collaborative effort between multiple academic departments, colleges, or schools within the institution, provide letters of support or MOUs from each department, college, or school in Appendix D.**

As a graduate program, general education courses will be minimal; however, a strong mathematical background is required to understand fluid dynamics, nonlinear solid mechanics, and computational materials science. The Department of Mechanical Engineering has a long track record of working with several faculty within FSU's Mathematics Department. This has continued up to the present day through Mechanical Engineering seminars from faculty within the Math Department and meetings between faculty from Mechanical Engineering and Mathematics to build research partnerships. In certain instances, graduate students will take mathematics courses to supplement AE courses. This may be required to build a deeper understanding of numerical methods, interpret data with advanced statistics, machine learning algorithm development, and various other techniques to solve partial differential equations. We will continue to build these relationships to strengthen AE research via faculty collaborations and better educate our students with important mathematics courses.

- H. Identify any established or planned educational sites where the program will be offered or administered. Provide a rationale if the proposed program will only be offered or administered at a site(s) other than the main campus.**

This program will be offered as part of the FAMU-FSU College of Engineering in Tallahassee Florida. Students will take classes on the FAMU main campus, in the FAMU-FSU College of Engineering, and on the FSU main campus. Students will do their research where their advisor has their research labs on the FAMU main campus, in buildings in the FAMU-FSU College of Engineering, and in research buildings in Innovation Park (in Tallahassee).

- I. Describe the anticipated mode of delivery for the proposed program (e.g., face-to-face, distance learning, hybrid). If the method(s) of delivery will require specialized services or additional financial support, describe the projected**



**costs below and discuss how they are reflected in Appendix A – Table 3A or 3B.**

The courses will be delivered in the traditional face-to-face manner at the FAMU-FSU College of Engineering, FAMU main campus, or on the FSU campus as part of the cooperative agreement between the two universities.

**J. Provide a narrative addressing the feasibility of delivering the proposed program through collaboration with other institutions, both public and private. Cite any specific queries of other institutions concerning shared courses, distance/distributed learning technologies, and joint-use facilities for research or internships.**

The Ph.D. in Aerospace Engineering will be offered jointly between FAMU and FSU as part of the joint College. No more institutions will be involved in the course offerings now. Given the recent Triumph award in additive manufacturing and aerospace to the FSU Panama City Campus, expansions to include research at this facility will be considered once the infrastructure is developed.

**K. Describe any currently available sites for internship and/or practicum experiences. Describe any plans to seek additional sites in Years 1 through 5.**

☒ **Not applicable to this program because the program does not require internships or practicums.**

## **V. Program Quality Indicators - Reviews and Accreditation**

**A. List all accreditation agencies and learned societies concerned with the proposed program. If the institution intends to seek specialized accreditation for the proposed program, as described in [Board of Governors Regulation 3.006](#), provide a timeline for seeking specialized accreditation. If specialized accreditation will not be sought, please explain.**

The Aerospace Engineering undergraduate programs hold accreditation from ABET, the accrediting body for engineering programs. Notably, the FAMU-FSU College of Engineering lacks an undergraduate program in Aerospace Engineering. Additionally, it is important to note that there are no specific accreditation agencies for graduate programs (both M.S. and Ph.D.) in Aerospace Engineering.

**B. Identify all internal or external academic program reviews and/or accreditation visits for any degree programs related to the proposed program at the institution, including but not limited to programs within the academic unit(s) associated with the proposed degree program. List all recommendations from the reviews and summarize the institution's progress in implementing those recommendations.**

The FAMU-FSU Department of Mechanical Engineering underwent a Program Self-Study (Quality Enhancement Review—QER) in February of 2019. Key outcomes of the review and recommendations related to the graduate program are highlighted here. We also summarize progress since this review in implementing the QER recommendations. One overall goal that was included in the QER was to establish a nationally recognized graduate program with active recruitment strategies and excellent professional

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preparation. Two of the objectives and strategies to achieve this goal included: 1) Develop an online degree program in Aeronautical Engineering through an asynchronous distance learning delivery system and 2) Establish new degree programs (MS and PhD) in the area of aerospace engineering. We have developed a distance learning aerospace certification program and now are aimed at establishing the AE graduate degree programs.

A broader assessment of the 2019 QER is given through three of the department's primary goals:

1. Establish a nationally recognized graduate program with active recruitment strategies and excellent professional preparation.
2. Expand our internationally-recognized research programs, especially in terms of interdisciplinary research collaborations and professional development.
3. Be recognized as one of the top ME programs in terms of educational innovations, outstanding research activities, and promotion of diversity.

With respect to aerospace engineering, we have made significant strides in all three of these goals.

Regarding item 1, we have developed active recruiting strategies that include Research Experiences for Undergraduates supported by the National Science Foundation (NSF) and the Department of Energy (DOE). This has led to two female SMART Fellows within our department. One of these students was the first FAMU SMART Fellow within our department. We have also begun actively recruiting US students at major conferences such as the AIAA SciTech conference which is the largest aerospace conference in the US. Our College of Engineering has provided financial support for these recruiting efforts. The department has also supported travel for FAMU faculty and students to attend the Black Engineer of the Year (BEYA) STEM Conference which includes ~12,000 attendees with 45% of these attendees being college students. Faculty within the ME Department have also been more active on social media (i.e., LinkedIn) to highlight student achievements and research opportunities for graduate and undergraduate students. With respect to professional development, one key highlight is the Mechanical Engineering Graduate Student Association (MEGSA) which is an officially Recognized Student Organization (RSO) that gives graduate students excellent leadership experience by organizing seminars and participating in K-12 outreach programs. The Department Chair also created a podcast, Mechanically Incorrect, that highlights faculty research achievements and failures along the way toward success in academia. This has been done as one way for students to learn more about our faculty members' journeys in engineering.

In support of items 2 and 3, we have expanded research activities in the field of hypersonics that include cooperative agreements with Wright Patterson and Eglin Air Force Research Laboratories (AFRL/RW, RQ), invested in wind tunnel experimental facilities to reach Mach 5 in the Poly-Sonic Wind Tunnel (PSWT) (support from both FAMU and FSU), hired four faculty (assistant & associate level) working in the fields of hypersonics, advanced fluid flow diagnostic tools, extreme materials, and robotics (female hire). The junior faculty working on extreme materials is a joint hire between ME and IME (Industrial and Manufacturing Engineering). Our department is also actively recruiting

faculty affiliated with the new FSU Quantum Information and Science initiative to expand our computational and experimental research activities, which aligns with FSU research goals. Faculty hiring has aligned well with recommendations in our QER, which included: hypersonic flows, quantum computing, and robotics/autonomous control.

Our department was also awarded the first AFOSR Center of Excellence, AEROMORPH, to FSU to study next-generation high-speed morphing vehicles using intelligent structures. Regarding interdisciplinary research, these research activities have included computations, experimental methods, controls, information theory, energy systems, and materials science. AEROMORPH and the cooperative agreements with AFRL also include major efforts towards workforce development of students working in our, and Air Force, laboratories. Other workforce development activities have included NASA minority programs and Department of Energy materials research for hydrogen storage. In addition, the Mechanical Engineering graduate seminar has been expanded to include professional development speakers who discuss a variety of topics such as industry/academic/government laboratory professions, navigating graduate school, and leadership.

Whereas we have achieved several of the goals stated in the 2019 QER, there were also weaknesses and threats pointed out. Key weaknesses and *opportunities to overcome these weaknesses* through the creation of an aerospace degree program are given as follows:

- Specific research programs are fragile due to a lack of a critical mass of faculty or the departure of core faculty members (e.g., robotics). *We propose to increase the number of faculty members within our department by 6-10 to support aerospace graduate research and education. These faculty members may also support mechanical engineering and thus stabilize the critical mass of core mechanical and aerospace engineering faculty members.*
- Faculty lines are not always owned by the College of Engineering (e.g., Maglab lines, Materials & Energy cluster hiring), so it may be difficult to replace lost faculty. *It is expected that faculty lines associated with aerospace engineering would reside within the College of Engineering and Department of Mechanical Engineering. A subset of these lines may be joint hires within departments that have interest in this research field such as Mathematics, Materials Science & Engineering, Industrial & Manufacturing Engineering, and Electrical & Computer Engineering. This should provide stability to replace faculty.*
- Difficult to sustain collective core value for internal coherence to develop long-term strategic focus. *The addition of aerospace engineering will create a new strategic focus that will align with the overall strategic direction of mechanical engineering since aerospace engineering overlaps core areas of need within our department including controls, dynamical structures, and advanced materials.*
- Large class sizes due to an inadequate number of faculty. *Additional aerospace faculty will be able to teach many mechanical engineering undergraduate courses. Class size reduction has already been implemented in 2023 upon hiring four new mechanical and aerospace engineering faculty, and this model will continue with additional aerospace engineering faculty.*
- Inadequate representation of women faculty and inadequate representation of

minority and women students. *Mechanical Engineering recently hired one female roboticist, Dr. Taylor Higgins, and will continue to be committed to recruit and mentor female faculty through proper advertising of opportunities within this new program.*

- Inadequate recruitment of FAMU students, especially FAMU scholars. *This will be the first aerospace engineering graduate program at an HBCU which should provide excellent opportunities to attract top FAMU students and scholars.*
- C. For appropriate degree programs, discuss how employer-driven or industry-driven competencies were identified and incorporated into the curriculum. Additionally, indicate whether an industry or employer advisory council exists to provide input for curriculum development, student assessment, and academic-force alignment. If an advisory council is not already in place, describe any plans to develop one or other plans to ensure academic-workforce alignment.**

An advisory council currently exists for the Department of Mechanical Engineering which includes several aerospace industry engineers and Air Force Research Laboratory research scientists. Given the strong overlap of this advisory council, they will assist in providing input to our curriculum and other graduate student support such as internships and scholarships.

## **VI. Faculty Participation**

- A. Use Appendix A – Table 2 to identify existing and anticipated full-time faculty who will participate in the proposed program through Year 5, excluding visiting or adjunct faculty. Include the following information for each faculty member or position in Appendix A – Table 2:**

- the faculty code associated with the source of funding for the position
- faculty member's name
- the highest degree held
- academic discipline or specialization
- anticipated participation start date in the proposed program
- contract status (e.g., tenure, tenure-earning, or multi-year annual [MYA])
- contract length in months
- percent of annual effort that will support the proposed program (e.g., instruction, advising, supervising)

**This information should be summarized below in narrative form. Additionally, provide the curriculum vitae (CV) for each identified faculty member in Appendix E.**

The source of funding for all faculty within this program is associated with the Mechanical Engineering Budget 218000110 budget. Faculty members involved in the program are listed below along with details describing their background and amount of participation. All existing faculty members will start supporting the program in year 1 and they are projected to continue supporting the program in year 5.

Alexandre Berger has a PhD in Aerospace Engineering. He specializes in experimental fluid dynamics at both low and high (hypersonic) speeds. He is a tenure-earning faculty

member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 4% for the first year and 13% for the fifth year.

Brandon Krick has a PhD in Mechanical Engineering. He specializes in experimental mechanics and tribology. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Carl Moore has a PhD in Mechanical Engineering. He specializes in dynamics and haptic systems. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 10% for the fifth year.

Chiang Shih has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 8% for the first year and is anticipated to retire by the fifth year.

Christian Hubicki has a PhD in Mechanical Engineering. He specializes in robotics and optimal control. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

David Larbalestier has a PhD in Physical Metallurgy. He specializes in experimental characterization of superconducting materials. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and is anticipated to retire by the fifth year.

Eric Hellstrom has a PhD in Materials Science & Engineering. He specializes in experimental characterization of ceramics and superconductors. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and is anticipated to retire by the fifth year.

Farrukh Alvi has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 5% for the fifth year since he is on a reduced teaching load while working in the FSU Provost office.

Fumitake Kametani has a PhD in Materials Science & Engineering. He specializes in characterization and microscopy of advanced materials. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 5% for the fifth year.

Huixuan Wu has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics and instrumentation development. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 18% for the fifth year.

Jizhe Cai has a PhD in Aerospace Engineering. He specializes in experimental characterization of extreme materials. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 15% for the first year and 40% for the fifth year.

Juan Ordonez has a PhD in Mechanical Engineering. He specializes in modeling of advanced energy systems for naval and aerospace applications. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Kourosh Shoele has a PhD in Mechanical Engineering. He specializes in modeling of fluid-structure interactions. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Mohd Ali has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics. He is a teaching faculty member on a twelve-month appointment. His percentage of annual effort that will support the aerospace graduate program is 10% for the first year and 18% for the fifth year.

Neda Yaghoobian has a PhD in Mechanical Engineering. She specializes in modeling of fluid dynamic, atmospheric behavior, and fire dynamics. She is a tenured faculty member on a nine-month appointment. Her percentage of annual effort that will support the aerospace graduate program is 10% for the first year and 40% for the fifth year.

Rajan Kumar has a PhD in Aerospace Engineering. He specializes in experimental characterization of fluid dynamics. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 10% for the first year and 20% for the fifth year.

Unnikrishnan Sasidharan Nair has a PhD in Mechanical Engineering. He specializes in modeling of high speed fluids. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Wei Guo has a PhD in Physics. He specializes in characterizing quantum turbulence and quantum computing hardware. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 12% for the fifth year.

William Oates has a PhD in Mechanical Engineering. He specializes in modeling and experimental characterization of smart materials and adaptive structures. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 15% for the first year and 20% for the fifth year. The larger percentage listed here is in anticipation of administrative duties as Department Chair.

Additional faculty members are proposed to be hired over the five-year build-up period. This includes 2 faculty on existing lines that are unfilled. One of these is expected to be at the Assistant Professor level in the field of aerospace structures. This person must

have a PhD in aerospace, mechanical engineering or closely related field. They are expected to be hired into Mechanical Engineering in the fall of 2024 (as part of an ongoing search) and start in the fall of 2025 in the Aerospace Engineering graduate program. His/her percent effort will increase from 20% in year one to 30% in year 5. The second position is expected to be at the Associate Professor level. This person will also have a PhD in aerospace or mechanical engineering or a closely related field. This person is expected to start within the program in the fall of 2025. This existing line is associated with the departure of Prof. Lou Cattafesta from the Mechanical Engineering department in 2023. He/she is expected to commit 30% of their time to this program. Nine additional new faculty lines are proposed (4 tenure-earning Assistant Professors, 2 Associate Professors and 3 Research Faculty). These faculty members are also expected to have PhDs in aerospace or mechanical engineering or a closely related field. They are all expected to contribute 30% of their time to the program by year 5. The hiring will be distributed over years 1-5. In 2026, we plan to hire one Associate Professor and one Assistant Professor. In 2027, we expect to hire 2 Assistant Professors and 1 Research Faculty. In 2028, we expect to hire 2 Research Faculty.

**B. Provide specific evidence demonstrating that the academic unit(s) associated with the proposed program has been productive in teaching, research, and service. Such evidence may include trends over time for average course load, FTE productivity, student HC in major or service courses, degrees granted, external funding attracted, and other qualitative indicators of excellence (e.g., thesis, dissertation, or research supervision).**

All faculty members engaged in this program are active in teaching, research, and service. The most active researchers have on the order of \$1.2M-\$1.3M research expenditures per year while the average annual research expenditure is on the order of \$350,000. This includes basic research through Department of Defense programs (e.g., ARO, AFOSR, ONR, DARPA), the National Science Foundation (NSF), and the Department of Energy (DOE). One of our Assistant Professors, Prof. Unni Nair, received the ONR Young Faculty Award in 2023 which is a highly prestigious young faculty grant. He will be expanding research in computational fluid dynamics of high speed flows. Five other faculty within this cohort have been awarded the NSF CAREER and two have been awarded the DARPA Young Faculty Award (YFA). With respect to teaching, all tenured and tenure-track faculty teach a nominal 3 courses per year (2+1 or 1+2) excluding new faculty. We provide junior faculty with a reduced course load (1+1) so that they can spend more time building their research program, recruiting students, and learning new pedagogical methods. Other exclusions to this teaching load are applied to faculty members with high research activity or high service load (e.g., department chair, center director). However, some faculty continue to teach despite large service and research loads. For example, Prof. Rajan Kumar created a new course on hypersonic flows which was co-taught with Prof. Unni Nair in the spring of 2023. Prof. Kumar is the Director of FCAAP and also had over \$1M of research expenditures last year. Teaching instructors are expected to be on 12 month contracts and teach a full load of 3+3+2 courses. Exclusions to this rule are considered for courses that contain additional experimental laboratory elements or recitations. Additionally, the Mechanical Engineering Department created an online Aerospace Engineering Certificate through FSU which included the creation of seven new online courses that are currently offered asynchronously. Additionally, four of the seven new courses are Quality Matters (QM) certified. These

teaching activities are in addition to normal Mechanical Engineering course offerings. All faculty are required to participate in a variety of service activities including contributions to department, college, and university committees and contributions to the broader community which may include research communities and/or K-12 programs.

## **VII. Estimate of Investment**

**A. Use Appendix A – Table 3A or 3B to provide projected costs and associated funding sources for Year 1 and Year 5 of program operation. In narrative form, describe all projected costs and funding sources for the proposed program(s). Data for Year 1 and Year 5 should reflect snapshots in time rather than cumulative costs.**

The base reallocation (E&G) for Year 1 is \$237,825 of faculty salaries and benefits. Additional programmatic expenses are \$10,000 for graduate student recruitment. The base reallocation (E&G) in Year 1 also includes \$10,000 for 0.3 FTE A&P or OPS for support staff plus \$50,000 OPS funds for assistantships and fellowships to help attract high-quality graduate students whose salary is primarily supported by C&G. The total E&G reallocated in Year 1 is \$307,825. The estimated amount of C&G in Year 1 is \$456,871. This estimate is based on five-year research expenditure averages of the faculty involved in the program times their percent effort to the new program. The C&G is assumed to be distributed across faculty summer salaries, student stipends, materials, and travel expenses.

In Year 5, the Continuing Base (E&G) includes \$588,375 in faculty salaries and benefits, \$15,000 for student recruiting events and other programmatic expenses, \$50,000 in A&P/OPS staff support, and \$50,000 OPS funds for assistantships and fellowships. The C&G in Year 5 is estimated to be \$1,158,849 based on estimated research grants and contracts of new faculty members.

**B. See Appendix A for details. Use Appendix A – Table 4 to show how existing Education & General (E&G) funds will be reallocated to support the proposed program in Year 1. Describe each funding source identified in Appendix A – Table 4, and justify below the reallocation of resources. Describe the impact the reallocation of financial resources will have on existing programs, including any possible financial impact of a shift in faculty effort, reallocation of instructional resources, greater use of adjunct faculty and teaching assistants, and explain what steps will be taken to mitigate such impacts.**

The Mechanical Engineering Budget 218000110 includes \$3,534,076 base before reallocation. The amount to be reallocated is \$307,825. A negligible impact on the Mechanical Engineering Department is anticipated given the shared mission of engineering research and education between mechanical and aerospace engineering. Furthermore, aerospace engineering research and education are well aligned with other programs at the College of Engineering including Industrial and Manufacturing Engineering, Electrical and Computer Engineering, and Materials Science and Engineering. We expect the alignment of aerospace engineering with existing engineering programs to minimize any unforeseen impacts on resource allocation.

**C. If the institution intends to operate the program as self-supporting, market**



tuition rate, or establish a differentiated graduate-level tuition, as described in [Board of Governors Regulation 8.002](#), provide a rationale and a timeline for seeking Board of Governors' approval.

☒ Not applicable to this program because the program will not operate as self-supporting, market tuition rate, or establish a differentiated graduate-level tuition.

D. Provide the expected resident and non-resident tuition rate for the proposed program for both resident and non-resident students. The tuition rates should be reported per credit hour unless the institution has received approval for a different tuition structure. If the proposed program will operate as a continuing education program per [Board of Governors Regulation 8.002](#), describe how the tuition amount was calculated and how it is reflected in Appendix A – Table 3B.

Registration and tuition fees are established by the Board of Education and the FSU and FAMU Board of trustees as required by the Florida Legislature. The program will apply the graduate tuition fees as outlined in the following schedule. The fees are subject to change without notice.

	In-State	Out-of-State
FSU*	\$479.32	\$1,110.72
FAMU**	\$405.67	\$1,022

\*Per credit hour does not include the Student Facilities Use Fee assessed to Main Campus Students at the rate of \$20 per semester.

\*\*Per credit hour does not include a required fees of \$70 for fall and spring semesters each and \$33 for summer semester.

E. Describe external financial and in-kind resources available to support the proposed program and explain how this amount is reflected in Appendix A – Table 3A or 3B.

## VIII. Self-Supporting and Market Tuition Rate Programs

**Note: Skip this section if the proposed program will not operate as a self-supporting or market tuition rate program.**

### Proposed Program Type

☐ Market Tuition Rate Program

☐ Online

☐ Continuing Education

☐ Self-Supporting Program

☒ N/A

A. Provide supporting documentation in a separate attachment that serves as evidence that the new program will not supplant any existing similar or equivalent E&G degree offering. Describe the evidence in narrative form below. **Note that Board Regulation 8.002 considers a program similar if it is offered under the same CIP code as one funded under the E&G budget entity.**

The Department Chair, William Oates, contacted chairs in Florida who have aerospace graduate programs. This includes programs at the University of Florida and the University of Central Florida. Both chairs have given their support to starting a program at the FAMU-FSU College of Engineering. Email correspondences are included in Appendix B describing the details of these discussions.

In terms of the potential impact on the FAMU-FSU Department of Mechanical Engineering, there will be some level of impact on this department since there is a subset of graduate students within ME who conduct aerospace engineering research. However, the overall number of graduate students in aerospace and mechanical engineering is expected to grow by offering the additional choice of either a graduate degree in mechanical or aerospace engineering. This is primarily due to a broader range of course offerings and research opportunities in both mechanical and aerospace engineering.

**B. If the proposed self-supporting or market tuition rate program will be a track under an existing E&G program or has a similar existing E&G program, provide a side-by-side tuition and fee comparison in the table below. Provide a link to the university's website that provides students with information about financial assistance and obligations for repayment of loans for these programs.**

☒ **Not applicable because the program will not be a track under an existing E&G program or is not similar to an existing E&G program.**

Tuition and Fee Comparison	
E&G Track or Program	Proposed Program

**C. Explain whether the program leads to initial licensing or certification in occupational areas identified as a state critical workforce need. If so, which licenses and certifications will graduates receive upon completion, and explain why implementing the program as self-supporting or market tuition rate is the best strategy to increase the number of graduates in the state.**

***Note: Questions D – M pertain only to market tuition rate programs. If the proposed program will be self-supporting, skip to Section IX.***

**D. Explain the process used to determine the proposed market tuition rate and provide the tuition of similar programs offered by other SUS institutions and private institutions as appropriate so that the tuition of at least five similar programs is provided. If the proposed tuition rates differ for resident and non-resident students, explain why.**

- E. Explain how offering the proposed program at a market tuition rate is aligned with the university's mission. If the program qualifies as a Program of Strategic Emphasis, provide additional justification for charging higher tuition for the proposed program.**
- F. Provide a declaratory statement that offering the proposed program at the market tuition rate does not increase the state's fiscal liability or obligation.**
- G. Explain any proposed restrictions, limitations, or conditions to be placed on the program.**
- H. Explain how the university will ensure sufficient courses are available to meet student demand and facilitate program completion.**
- I. If applicable, provide a baseline of current enrollments, including a breakout of resident and non-resident enrollment in similar courses funded by the E&G budget entity.**
- J. Describe any outcome measures that will be used to determine the program's success.**
- K. List the campuses and/or sites at which the proposed program will be offered. If the program is only offered online, indicate that, and provide the location from which the program will be managed.**
- L. Provide an estimate of the total and net annual revenue the university anticipates collecting for Years 1 and 5 if the proposal is approved. This information should be consistent with the data provided in Appendix A – Table 3B, which is required as a part of this proposal.**
- M. Describe how revenues will be spent, including whether private vendors will be utilized and for what purpose. Additionally, identify all budget entities used for the program.**

#### **IX. Non-Faculty Resources**

- A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5 below, including but not limited to the following:**
  - **the total number of volumes and serials available in the discipline and related disciplines**
  - **all major journals that are available to the university's students****The Library Director must sign the additional signatures page to indicate they have reviewed Sections IX.A. and IX.B.**

The following library resources through FAMU are available to support aerospace engineering:

#### **Electronic Databases**

The databases contain full-text articles, abstracts, conference proceedings, book chapters, newsletters, online journals, e-book collections, and other research content in the fields of science, engineering, and technology.

1. Abstracts in New Technology and Engineering
2. Access Engineering
3. ACM Digital Library
4. ACS Journals
5. Applied Science & Technology Source
6. Ceramic Abstracts
7. Civil Engineering Abstracts (ProQuest)
8. Compendex
9. Computing (Advanced Technologies and Aerospace Database)
10. Engineering Collection
11. Engineered Materials Abstracts (ProQuest)
12. Engineering Village
13. Environmental Engineering Abstracts
14. IEEE Xplore
15. Inspec
16. IOP Electronic Journals
17. Mary Ann Liebertpub
18. Materials Business Files
19. Materials Research Database
20. Mechanical & Transportation Engineering Abstracts
21. Mechanical Engineering Abstracts
22. ProQuest Engineering Research Database
23. ScienceDirect
24. SpringerLink
25. Solid State & Superconductivity Abstracts
26. Sustainability Science Abstracts

### **Online Journals (Accessible Directly from the Online Catalog)**

Additional journals and journal articles related to aerospace engineering are available in the online databases, which are also accessible from online. The list below is limited to the titles that are accessible directly from the online catalog. The full list of journals, that are accessible through the databases, is significantly more extensive.

1. *International Journal of Aerospace Engineering* (2007-). Hindawi Publishing Corporation.
2. *Journal of Aerospace Engineering* (1988). American Society of Civil Engineers. Aerospace Division.
3. *Advances in Aerospace Engineering* (2014). Hindawi Publishing Corporation.
4. *Transport and Aerospace Engineering* (2014).
5. *Aircraft Engineering and Aerospace Technology* (1986).
6. *Proceedings of the Institution of Mechanical Engineers*. Part G, Journal of Aerospace Engineering (1989-). Institution of Mechanical Engineers.
7. *Journal of the Institution of Engineers. Series C. Mechanical, Production, Aerospace and Marine Engineering* (2012). Institution of Engineers.
8. *IEEE transactions on Aerospace and Electronic Systems* (1965). IEEE Aerospace and Electronic Systems Society.

9. *SAE International Journal of Aerospace* (2009). Society of Automotive Engineers.
10. *International Journal of Aviation, Aeronautics, and Aerospace* (2014-). Embry-Riddle Aeronautical University.
11. *IEEE Aerospace and Electronic Systems Magazine* (1988). IEEE Aerospace and Electronic Systems Society.
12. *Mathematics in Engineering, Science and Aerospace: MESA* (2010-).
13. *Astrodynamics* (2017-).
14. *International Journal of Micro Air Vehicles* (2009-).
15. *International Journal of Aerospace Innovations* (2009-2013).
16. *International Journal of Aeronautical and Space Sciences*.
17. *Journal of KONBIN* (2006).
18. *Aviation* (2003).
19. *Aerospace* (2014).
20. *Annals of Solid and Structural Mechanics* (2010-)
21. *The International Journal of Aerospace Psychology* (2017-). Taylor and Francis: Association for Aviation Psychology.
22. *Visualization in Engineering* (2013). Curtin University.
23. *SAE International Journal of Passenger Cars* (2009-). Society of Automotive Engineers.
24. *SAE International Journal of Alternative Powertrains* (2012-2019). Society of Automotive Engineers.
25. *International Journal of Engine Research*. Society of Automotive Engineers (2000). Society of Automotive Engineers.
26. *International Journal of Heat and Fluid Flow* (1979-). Institution of Mechanical Engineers.
27. *SAE International Journal of Materials and Manufacturing* (2009). Society of Automotive Engineers.
28. *Stapp Car Crash Journal* (2000-). Stapp Car Crash Conference. SAE International Society. Society of Automotive Engineers.
29. *SAE International Journal of Fuels and Lubricants* (2009-). Society of Automotive Engineers.
30. *SAE International Journal of Commercial Vehicles* (2009-). Society of Automotive Engineers.
31. *SAE International Journal of Passenger Cars. Electronic and Electrical Systems* (2009-). Society of Automotive Engineers.
32. *SAE International Journal of Engines* (2009-). Society of Automotive Engineers.
33. *Applied Adhesion Science* (2013-). Brazilian Society of Adhesion and Adhesives.
34. *The Journal of Air Law and Commerce* (1939-). Southern Methodist University, School of Law. Northwestern University, School of Law. Northwestern University, School of Business. Northwestern University, Transportation Center.

### **Books (Electronic Books)**

The books listed below are a sample of the books and conference proceedings that are available directly from the online catalog. There are over 1,100 books listed in the catalog that are related to aerospace engineering. The books listed below are some of the most recent publications, between the years of 2020 to 2024. Additional books and book chapters are available from the online databases.

1. [Post-Processing Techniques for Additive Manufacturing](#)  
Alam, Zafar, editor.; Iqbal, Faiz, editor.; Ahmad Khan, Dilshad, editor. 2024
2. [Energy-efficient electrical systems for buildings](#)  
Karti, Moncef, author. 2024
3. [Aircraft performance : an engineering approach](#)  
Sadraey, Mohammad H., author. 2024
4. [Human factors in simulation and training : application and practice](#)  
Vincenzi, Dennis A., editor. 2024
5. [Advanced Materials Processing and Manufacturing : Research, Technology, and Applications](#)  
Bolokang, Amogelang Sylvester, author.; Mathabathe, Maria Ntsoaki, author. 2024
6. [Automation in Construction Toward Resilience : Robotics, Smart Materials and Intelligent Systems](#)  
Farsangi, Ehsan Noroozinejad, editor. 2024
7. [Navigating the Complexity Across the Peace-Sustainability-Climate Security Nexus](#)  
Amadei, Bernard, 1954- author. 2024
8. [Human factors in simulation and training : theory and methods](#)  
Vincenzi, Dennis A., editor. 2024
9. [Laser-based technologies for sustainable manufacturing](#)  
Kumar, Avinash, Dr., editor.; Ashwani Kumar, editor.; Kumar, Abhishek, editor. 2024
10. [Composite Materials : High Strain Rate Studies](#)  
Velmurugan, R. (Professor of aerospace engineering), editor.; Ruan, Dong, editor.; Gurusideswar, S. (Professor of aerospace engineering), editor. 2024
11. [Data Driven Methods for Civil Structural Health Monitoring and Resilience : Latest Developments and Applications](#)  
Noori, Mohammad, author. 2024
12. [Post-Processing Techniques for Additive Manufacturing](#)  
Alam, Zafar, editor.; Iqbal, Faiz, editor.; Ahmad Khan, Dilshad, editor. 2024
13. [Energy-efficient electrical systems for buildings](#)  
Karti, Moncef, author. 2024
14. [Aircraft performance : an engineering approach](#)  
Sadraey, Mohammad H., author. 2024
15. [Human factors in simulation and training : application and practice](#)  
Vincenzi, Dennis A., editor. 2024

## Books

1. Advanced Materials Processing and Manufacturing: Research, Technology, and Applications Bolokang, Amogelang Sylvester, author.; Mathabathe, Maria Ntsoaki, author.2024.
2. Automation in Construction Toward Resilience : Robotics, Smart Materials and Intelligent Systems, Farsangi, Ehsan Noroozinejad, editor. 2024
3. Navigating the Complexity Across the Peace-Sustainability-Climate Security Nexus Amadei, Bernard, 1954- author. 2024
4. Human factors in simulation and training: theory and methods Vincenzi, Dennis A., editor. 2024
5. Laser-based technologies for sustainable manufacturing Kumar, Avinash, Dr., editor.;

Ashwani Kumar, editor.; Kumar, Abhishek, editor. 2024

6. Composite Materials : High Strain Rate Studies Velmurugan, R. (Professor of aerospace engineering), editor.; Ruan, Dong, editor.; Gurusideswar, S. (Professor of aerospace engineering), editor. 2024
7. Data Driven Methods for Civil Structural Health Monitoring and Resilience : Latest Developments and Applications Noori, Mohammad, author. 2024
8. Applications of unsaturated polyester resins : synthesis, modifications, and preparation methods, Thomas, Sabu, editor.; Chirayil, Cintil Jose, editor. 2023
9. Applications of multifunctional nanomaterials Thomas, Sabu, editor.; Kalarikkal, Nandakumar, editor.; Abraham, Ann Rose, editor. 2023
10. Elastic wave propagation in structures and materials Gopalakrishnan, S. (Srinivasan), author. 2023
11. Radar and radionavigation : pre-professional training for aviation radio specialists Kozlov, Anatoly Ivanovich, author.; Shatrakov, Yuri Grigoryevich, author.; Zatuchny, Dmitry Alexandrovich, author. 2023
12. Synthetic and Natural Nanofillers in Polymer Composites : Properties and Applications Nurazzi, N. M., editor. 2023
13. Sheet Metal 2023., Hagenah, H. 2023
14. Basic fracture mechanics and its applications Saxena, A. (Ashok), author. 2023
15. Reliability engineering : a life cycle approach Bradley, Edgar, author. 2023
16. Nanomaterials for sustainable tribology Raina, Ankush, editor. 2023
17. Space situational awareness : guiding the transition to a civil capability : hearing before the Subcommittee on Space and Aeronautics of the Committee on Science, Space and Technology, of the House of Representatives, One Hundred Seventeenth Congress, second session, May 12, 2022. United States. Congress. House. Committee on Science, Space, and Technology (2011- ). Subcommittee on Space and Aeronautics, author. 2023
18. Engineering dynamics : fundamentals and applications Islam, M. Rashad, author.; Ahmed, Mahbub (Engineer), author.; Mazumder, A K M Monayem H, author. 2023
19. Design and analysis of functionally graded adhesively bonded joints of FRP composites Panigrahi, Sashi Kanta, author.; Nimje, Sunil V., author. 2023
20. Advanced manufacturing processes Singh, Yashvir, editor. 2023
21. Advances in combustion technology Mishra, Debi Prasad (Professor of aerospace engineering), editor. 2023
22. Fundamentals of thermal spraying S, Ariharan, editor. 2023
23. Additive manufacturing with medical applications Kumar Banga, Harish, editor. 2023
24. Ratio of momentum diffusivity to thermal diffusivity : introduction, meta-analysis, and scrutinization Animasaun, Isaac Lare, author. 2023
25. Rapid cure composites : materials, processing and manufacturing Hameed, Nishar, editor. 2023
26. Smart coatings : fundamentals, developments, and applications Kathavate, Vaibhav

Sanjay, author.; Deshpande, Pravin Pralhad, author. 2023

27. Materials for lightweight constructions Kumaran, S. Thirumalai, editor. 2023
28. Creep : fatigue models of composites and nanocomposites Razdolsky, Leo, author. 2023
29. Advances in structural adhesive bonding Dillard, David A., editor. 2023
30. Metaversed : see beyond the hype Martins, Luis Bravo, author.; Wolfe, Samantha G, author. 2023
31. Reliability and physics-of-healthy in mechatronics Delaux, David, editor.; El Hami, Abdelkhalak, editor.; Grzesowiak, Henri, editor. 2023
32. Polymer crystallization : methods, characterization, and applications Parameswaranpillai, Jyotishkumar, editor. 2023
33. Carbon nanotubes : functionalization and potential applications Abraham, Ann Rose, editor.; George, Soney C., editor.; Haghi, A. K., editor. 2023
34. Advanced Control of Flight Vehicle Maneuver and Operation. Liu, Chuang.; Dai, Honghua.; Yue, Xiaokui. 2023
35. Space missions of global importance : planetary defense, space weather protection, and space situational awareness : hearing before the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, second session, February 12, 2020. United States. Congress. Senate. Committee on Commerce, Science, and Transportation, author. 2023
36. Aerospace and associated technology : proceedings of the joint conference of ICTACEM 2021, APCATS 2021, AJSAE 2021 and AeSI 2021 Ghosh, Anup, editor. 2023
37. Autonomous Trajectory Planning and Guidance Control for Launch Vehicles Song, Zhengyu. editor.; Zhao, Dangjun. editor.; Theil, Stephan. editor. 2023
38. Design for Electromagnetic Compatibility--In a Nutshell Theory and Practice Keller, Reto B. author. 2023
39. Building the space workforce of the future : STEM engagement for a 21st century education : hearing before the Subcommittee on Aviation and Space of the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, first session, November 5, 2019. United States. Congress. Senate. Committee on Commerce, Science, and Transportation. Subcommittee on Aviation and Space, author. 2023
40. Polymer composite systems in pipeline repair : design, manufacture, application, and environmental impacts Mavinkere Rangappa, Sanjay, editor. 2023
41. Flexible Automation and Intelligent Manufacturing: The Human-Data-Technology Nexus Proceedings of FAIM 2022, June 19–23, 2022, Detroit, Michigan, USA Kim, Kyoung-Yun; Kim, Kyoung-Yun. editor.; Monplaisir, Leslie. editor.; Rickli, Jeremy. editor. 2023
42. Computational methods for nonlinear dynamical systems : theory and applications in aerospace engineering Wang, Xuechuan, 1956- author. 2023
43. 10th Manufacturing Engineering Society International Conference (MESIC 2023).



Morales-Palma, Domingo.; Martínez-Donaire, Andrés J.; Borrego Puche, Marcos.; Centeno Báez, Gabriel.; Vallellano, Carpofo. 2023

44. High-reliability autonomous management systems for spacecraft Zhang, Jianjun, 1942- author.; Li, Jing, author. 2023
45. Essentials of mechanical stress analysis Javidinejad, Amir, author. 2023
46. Applications of unsaturated polyester resins : synthesis, modifications, and preparation methods Thomas, Sabu, editor.; Chirayil, Cintil Jose, editor. 2023
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49. Radar and radionavigation : pre-professional training for aviation radio specialists Kozlov, Anatoly Ivanovich, author.; Shatrakov, Yuri Grigoryevich, author.; Zatuchny, Dmitry Alexandrovich, author. 2023
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55. Space situational awareness : guiding the transition to a civil capability : hearing before the Subcommittee on Space and Aeronautics of the Committee on Science, Space and Technology, of the House of Representatives, One Hundred Seventeenth Congress, second session, May 12, 2022. United States. Congress. House. Committee on Science, Space, and Technology (2011- ). Subcommittee on Space and Aeronautics, author. 2023
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57. Design and analysis of functionally graded adhesively bonded joints of FRP composites Panigrahi, Sashi Kanta, author.; Nimje, Sunil V., author. 2023
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72. Advanced Control of Flight Vehicle Maneuver and Operation. Liu, Chuang.; Dai, Honghua.; Yue, Xiaokui. 2023
73. Space missions of global importance : planetary defense, space weather protection, and space situational awareness : hearing before the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, second session, February 12, 2020. United States. Congress. Senate. Committee on Commerce, Science, and Transportation, author. 2023
74. Aerospace and associated technology : proceedings of the joint conference of ICTACEM 2021, APCATS 2021, AJSAE 2021 and AeSI 2021 Ghosh, Anup, editor. 2023
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76. Design for Electromagnetic Compatibility--In a Nutshell Theory and Practice Keller, Reto B. author. 2023
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78. Polymer composite systems in pipeline repair : design, manufacture, application, and environmental impacts Mavinkere Rangappa, Sanjay, editor. 2023
79. Flexible Automation and Intelligent Manufacturing: The Human-Data-Technology Nexus Proceedings of FAIM 2022, June 19–23, 2022, Detroit, Michigan, USA Kim, Kyoung-Yun; Kim, Kyoung-Yun. editor.; Monplaisir, Leslie. editor.; Rickli, Jeremy. editor. 2023
80. Computational methods for nonlinear dynamical systems : theory and applications in aerospace engineering Wang, Xuechuan, 1956- author. 2023
81. 10th Manufacturing Engineering Society International Conference (MESIC 2023). Morales-Palma, Domingo.; Martínez-Donaire, Andrés J.; Borrego Puche, Marcos.; Centeno Báez, Gabriel.; Vallellano, Carpofo. 2023

82. High-reliability autonomous management systems for spacecraft Zhang, Jianjun, 1942- author.; Li, Jing, author. 2023
83. Essentials of mechanical stress analysis Javidinejad, Amir, author. 2023
84. Advanced composites in aerospace engineering applications Mazlan, Norkhairunnisa, editor; Sapuan, S. M., editor.; Ilyas, R. A. editor. 2022
85. Polymeric nanocomposites with carbonaceous nanofillers for aerospace applications Kausar, Ayesha, Author. 2022
86. Computational fluid dynamics in aerospace engineering: recent advances Sekar, Manigandan, author.; Webb, Phil, author.; Sohret, Yasin, author. 2022
87. Trends in development of accelerated testing for automotive and aerospace engineering Klyatis, Lev M., author. 2020.

The following library resources through FSU are available to support aerospace engineering as of January 2024:

### **Databases**

This is a selection of databases that contain research materials, including articles, conference proceedings, data sets, and more, related to the field of aerospace engineering and the wider field of engineering accessible through FSU Libraries.

1. AccessEngineering
2. ACM Digital Library
3. Aerospace Research Central or American Institute of Aeronautics and Astronautics (AIAA)
4. American Society of Civil Engineers (ASCE) Civil Engineering Database
5. American Society of Civil Engineers (ASCE) Journals
6. Applied Science & Technology Source
7. ASM Alloy Phase Diagram Database
8. ASTM Compass
9. BCC Research
10. Compendex (Engineering Village)
11. Derwent Innovations Index
12. Electronics & Communications Abstracts
13. Emerald Library E-Journals (Emerald Insight)
14. Engineering Village
15. Environmental Engineering Abstracts
16. Environmental Impact Statements: Digests
17. IEEE Xplore
18. INSPEC (Engineering Village)
19. INSPEC Archive (Engineering Village)
20. Journal of Visualized Experiments (JOVE)
21. Materials Business File
22. Materials Science & Engineering Database
23. Mechanical & Transportation Engineering Abstracts
24. METADEX
25. OSTI.GOV
26. PubMed (NLM)

27. Science (AAAS)
28. SciFinder-n
29. SciTech Premium Collection (ProQuest)
30. Scopus
31. Solid State and Superconductivity Abstracts
32. Tallahassee-Leon County Geographic Information Systems
33. TerraFly
34. Textile Technology Complete
35. Thieme MedOne Education (E-Books)
36. Toxicology Abstracts
37. TOXLINE
38. U.S. Department of the Interior Bureau of Land Management General Land Office Documents
39. UCentral
40. Virology and AIDS Abstracts

## Serials

FSU has **246** current and historical aerospace related scholarly journals accessible through the library catalog. Additional research articles and information can be found through the previously listed databases.

1. *Advances in Aerospace Engineering* (2014) Hindawi Publishing Corporation.
2. *Aerospace* (2014) MDPI AG.
3. *Aerospace America* (1984) American Institute of Aeronautics and Astronautics.
4. *Aerospace power journal* (1999) AU Press.
5. *Aerospace science and technology* (1997) Gauthier-Villars.
6. *AIAA journal* (1963) American Institute of Aeronautics and Astronautics.
7. *Air and space lawyer* (1984) Forum Committee on Air and Space Law, American Bar Association.
8. *Air & space power journal* (2002) AU Press.
9. *Air power history* (2021) Air Force Historical Foundation.
10. *Aircraft engineering* (1986) Bunhill Publications.
11. *Aircraft engineering and aerospace technology* (1986) Emerald Group Pub.
12. *Airpower journal* (1987) AU Press.
13. *Annals of air and space law* (1976) Institute of Air and Space Law.
14. *Archives of environmental health* (2004) Heldref Publications.
15. *Armed forces and society* (1974) Transaction Publishers.
16. *Astrodynamics* (2017) Tsinghua University Press.
17. *Aviation* (2003) Taylor & Francis.
18. *Aviation space and environmental medicine* (2014) Aerospace Medical Association.
19. *CEAS space journal* (2011) Springer.
20. *Extreme life, biospeology & astrobiology* (2009) Bioflux Pub. House.
21. *Human performance in extreme environments* (1996) Society for Human Performance in Extreme Environments.
22. *IEEE transactions on aerospace and electronic systems* (1965) Institute of Electrical and Electronics Engineers.
23. *IEEE aerospace and electronic systems magazine* (1988) Institute of Electrical and Electronics Engineers.
24. *IEEE Transactions on Software Engineering* (n.d.) Institute of Electrical and

Electronics Engineers.

25. *International journal of aeronautical and space sciences* (n.d.) Korean Society for Aeronautical and Space Sciences.
26. *International journal of aerospace engineering* (2007) Hindawi Pub. Corp.
27. *International journal of aerospace innovations* (2009) Multi-Science Pub. Co Ltd.
28. *International journal of aviation, aeronautics, and aerospace* (2014) Embry-Riddle Aeronautical University.
29. *International journal of aviation psychology* (1991) Lawrence Erlbaum Associates.
30. *International journal of micro air vehicles* (2009) SAGE Publications.

## Books

FSU has **871** books under the Library of Congress subject heading “aerospace engineering” and **2596** books in the wider field of aerospace studies. These volumes include books in our physical collection and books we have digital access to. Here is a selection of some of the recently published books in our collection.

1. Aswal, D. K., Sarkar, P. S., & Kashyap, Y. S. (2022). *Neutron Imaging: Basics, Techniques and Applications*. Springer Singapore. <https://doi.org/10.1007/978-981-16-6273-7>
2. Bennett, S. A. (2021). *Safety in Aviation and Astronautics: A Socio-technical Approach* (1st edition). Routledge. <https://doi.org/10.4324/9781003111283>
3. Cakaj, S. (2022). *Ground Station Design and Analysis for LEO Satellites: Analytical, Experimental and Simulation Approach* (1st ed.). John Wiley & Sons, Inc. <https://doi.org/10.1002/9781119899280>
4. Cao, H. (2023). *Dual-Mass Linear Vibration Silicon-Based MEMS Gyroscope*. Springer Nature Singapore. <https://doi.org/10.1007/978-981-19-9247-6>
5. Catalina Popescu. (2022). *Filling the Center, Fighting the Power Void: Choosing Trajan as a Successor*. SAGE Publications: SAGE Business Cases Originals. <https://doi.org/10.4135/9781529772227>
6. Di Rito, G. (2023). *Electro-Mechanical Actuators for Safety-Critical Aerospace Applications*. MDPI - Multidisciplinary Digital Publishing Institute. <https://doi.org/10.3390/books978-3-0365-7932-0>
7. Dolgikh, G. I. (2022). *Sea Level Fluctuations*. MDPI - Multidisciplinary Digital Publishing Institute.
8. Doro-on, A. M. (2022). *Handbook of Systems Engineering and Risk Management in Control Systems, Communication, Space Technology, Missile, Security and Defense Operations* (1st ed.). Taylor & Francis. <https://doi.org/10.4324/9780429272233>
9. Furey, H. (2021). *Beyond the Code: A Philosophical Guide to Engineering Ethics*. Routledge. <https://doi.org/10.4324/9781315643816>
10. Graham, A., & Halpern, N. (2021). *Airport Marketing* (Second edition.). Taylor & Francis. <https://doi.org/10.4324/9780203117903>
11. Gynnild, A. (2022). *Droner i sivilsamfunnet: Aktører, teknologi og etiske utfordringer*. Cappelen Damm Akademisk/NOASP Nordic Open Access Scholarly Publishing. <https://doi.org/10.23865/noasp.161>
12. Jameson, A. (2022). *Computational Aerodynamics* (1st ed., Vol. 49). University Press. <https://doi.org/10.1017/9781108943345>
13. Keller, R. B. (2023a). *Design for Electromagnetic Compatibility—In a Nutshell Theory and Practice* (1st ed. 2023.). Springer Nature. <https://doi.org/10.1007/978-3-031-14186-7>

14. Keller, R. B. (2023b). *Design for Electromagnetic Compatibility--In a Nutshell: Theory and Practice* (1st Edition 2023). Springer International Publishing. <https://doi.org/10.1007/978-3-031-14186-7>
15. Koskinen, H. E. J., & Kilpua, E. K. J. (2022). *Physics of Earth's Radiation Belts: Theory and Observations* (1st Edition 2022). Springer International Publishing. <https://doi.org/10.1007/978-3-030-82167-8>
16. Liu, S., Li, L., Tang, J., Wu, S., & Gaudiot, J.-L. (2020). *Creating Autonomous Vehicle Systems* (1st ed., Vol. 9). Springer International Publishing. <https://doi.org/10.1007/978-3-031-01805-3>
17. McElroy Jr, M. W. (2022). *The Space Industry of the Future: Capitalism and Sustainability in Outer Space* (1st ed.). Routledge. <https://doi.org/10.4324/9781003268734>
18. Refait, P. (2022). *Corrosion and Protection of Steels in Marine Environments: State-of-the-Art and Emerging Research Trends*. MDPI - Multidisciplinary Digital Publishing Institute.
19. Salmi, M. (2022). *Design and Applications of Additive Manufacturing and 3D Printing*. MDPI - Multidisciplinary Digital Publishing Institute.
20. Schuurman, M. (2023). *Air Safety Investigation: The Journey*. TU Delft Open. <https://doi.org/10.5074/t.2023.004>
21. Song, Z., Zhao, D., & Theil, S. (2023a). *Autonomous Trajectory Planning and Guidance Control for Launch Vehicles* (1st ed. 2023.). Springer Nature Singapore. <https://doi.org/10.1007/978-981-99-0613-0>
22. Song, Z., Zhao, D., & Theil, S. (2023b). *Autonomous Trajectory Planning and Guidance Control for Launch Vehicles* (1st Edition 2023). Springer Nature Singapore. <https://doi.org/10.1007/978-981-99-0613-0>
23. Stoica, L., Riches, S., & Johnston, C. (2016). *High Temperature Electronics Design for Aero Engine Controls and Health Monitoring* (1st ed.). River Publishers. <https://doi.org/10.1201/9781003338420>
24. United States Congress House Committee on Science, S. (2022). *Examining R&D pathways to sustainable aviation: Hearing before the Subcommittee on Space and Aeronautics of the Committee on Science, Space, and Technology, House of Representatives, One Hundred Seventeenth Congress, first session, March 24, 2021*. U.S. Government Publishing Office.
25. United States Congress Senate Committee on Commerce, S. (2023). *Building the space workforce of the future: STEM engagement for a 21st century education : hearing before the Subcommittee on Aviation and Space of the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, first session, November 5, 2019*. U.S. Government Publishing Office.
26. van Loon, J. J. A., & Beysens, D. A. (2015). *Generation and Applications of Extra-Terrestrial Environments on Earth* (1st ed.). Routledge. <https://doi.org/10.1201/9781003338277>
27. Weiß, S. (2022). *Contributions to on-board navigation on 1U CubeSats* (Vol. 11). Universitätsverlag der Technischen Universität Berlin. <https://doi.org/10.14279/depositonce-12416>
28. Wen, C.-Y., Jiang, Y., & Shi, L. (2023). *Space-Time Conservation Element and Solution Element Method: Advances and Applications in Engineering Sciences* (1st Edition 2023, Vol. 13). Springer Nature Singapore. <https://doi.org/10.1007/978-981-99-0876-9>
29. Wiedemann, M. (2024a). *System Lightweight Design for Aviation* (1st ed. 2024.).

Springer Nature Switzerland. <https://doi.org/10.1007/978-3-031-44165-3>  
 30. Wiedemann, M. (2024b). *System Lightweight Design for Aviation*. Springer Nature Switzerland. <https://doi.org/10.1007/978-3-031-44165-3>

**B. Discuss any additional library resources needed to implement and/or sustain the program through Year 5. Describe how those costs are reflected in Appendix A – Table 3A or 3B.**

☒ **Not applicable to this program because no additional library resources are needed to implement or sustain the proposed program.**

**C. Describe any specialized equipment and space currently available to implement and/or sustain the proposed program through Year 5.**

The [Aero-propulsion, Mechatronics, and Energy \(AME\) center](#) at FAMU-FSU College of Engineering was established in 2011. This 60,000-square-foot state-of-the-art facility supports advanced research in aerospace and aviation, mechatronics, and sustainable energy engineering. The AME center houses research laboratories, faculty and student offices, classrooms, and other infrastructures, which will be used for both teaching and research training of aerospace degree-seeking students. A brief description of selected facilities is given as follows.

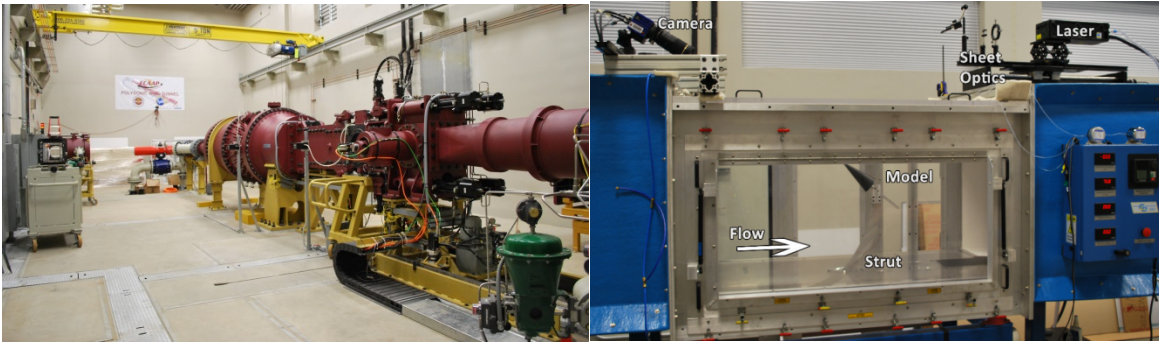
***Aero-propulsion Centric Experimental Facilities:***

The Polysonic wind tunnel (PSWT) at FAMU-FSU College of Engineering is capable of operating in the Mach number regime of 0.2 to 5, including transonic speeds, and produces a unit Reynolds number of 2 – 30 million/ft. The facility features two separate test sections: 1) 12-in x 12-in x 24-in test section with solid walls for sub/supersonic Mach number testing, and 2) 12-in x 12-in x 48-in with slotted walls for testing in the transonic speed regime. Test models will be supported by a sting balance (six degree of freedom load cell) capable of pitch ( $-10^{\circ}$  to  $50^{\circ}$ ) and roll ( $\pm 180^{\circ}$ ) during the blowdown. The PSWT is designed to produce excellent flow quality, which is achieved through 10:1 inlet contraction ratio, 5 fine mesh flow conditioning screens, flow straightener and settling chamber acoustic treatment. The facility is designed to operate at various Reynolds numbers at a fixed Mach number with the help of varying stagnation pressure and an ejector system. The facility has been calibrated over the entire operational regime and exhibits excellent flow quality. The rms pressure fluctuations at supersonic speed are less than 0.2%, turbulence intensity less than 0.2% and flow angularity over the entire measurement section is less than  $0.2^{\circ}$ , respectively. The facility is equipped to carry out shadowgraph (fluid density fluctuations), surface oil flow visualizations, steady and unsteady pressures, aerodynamic forces and moments, and flow diagnostic measurements. The facility is connected to a high-pressure storage system of  $110\text{m}^3$  of dry air at 500psia pressure. Typical run times are 30 - 100 seconds depending upon the test conditions.

The low-speed wind tunnel at FAMU-FSU is an open circuit facility with a square test section measuring 30-in x 30-in that extends 60-in in the flow direction. The facility is driven by an axial fan powered by a 150HP, direct drive AC induction motor. The motor is controlled by a Toshiba variable frequency drive that outputs a constant frequency power signal between 2 and 50 Hz. The range of freestream velocity is 2 m/s to 80 m/s and a corresponding maximum Reynolds number of 2.4 million/ft. To achieve flow uniformity



and low-turbulence ( $< 0.05\%$ ), the facility is designed and equipped with 9:1 contraction ratio, honeycomb inlet and three stainless steel meshes of appropriate porosity.



**Figure - The FAMU-FSU Polysonic Wind Tunnel (left) and the PIV setup in the low speed wind tunnel with a cone model (right).**

The wind tunnels are equipped with required instrumentation, including a six-component strain gauge balance to measure aerodynamic forces and moments, an electronic pressure scanner (ESP) for steady pressure distributions and Kulite pressure transducers for unsteady pressures. The facilities are designed for maximum optical access and with flow diagnostic capabilities such as Schlieren, shadowgraph and surface oil flow visualization measurement methods. The wind tunnels are also equipped for time-averaged and time-resolved PIV, including double pulsed Nd-YAG 400mJ/pulse laser, a 150W 30kHz photonics laser, CMOS / CCD cameras and necessary optics to measure off-body velocity field. We have also recently procured a fast-response Pressure Sensitive Paint (PSP) instrumentation to measure unsteady surface pressure fluctuations. Both of these facilities and advanced optical diagnostic techniques will be used in the proposed study.

In addition the center has a number of jet facilities to study jet noise and high-temperature material characterization, actuator development laboratory, a flow diagnostic development laboratory and a fully-equipped machine shop.

### **Computational Facilities:**

The faculty has a number of well-validated, in-house, theoretical, and computational tools. These computational tools have two principal components: (a) the software that simulates the required physical fields of interest (denoted the “solver”), and (b) the software-suite that performs physical, statistical, and modal analyses on the simulated data (denoted the “post-processor”). A critical resource for the research includes the computational framework utilized by the solver and the post-processor. They are as follows:

**Solver:** The solver will be executed on the computational clusters at FAMU-FSU College of Engineering. Multi-core simulations thus obtained will be validated using complementary experiments and will serve as digital-twins for the flowfields studied. The common engineering-resource-pool nodes will be utilized for small-scale pilot simulations. For advanced simulations, the high-order capability of the solver facilitates superior resolution of the turbulent flowfields on reasonable grid-sizes of the order of 100-150 million. This will necessitate parallel computing on 600-800 cores, that will be provided by the RCC facility at FAMU and FSU. If needed, additional computing resources will be requested at the NSF-supported National Supercomputer Centers (see <http://www.xsede.org>) and the Department of Defense High-Performance Computing Centers.



Post-processor: This software-suite will be primarily executed on workstation computers utilized by the PIs and other personnel involved in this research. Three specialized workstations are available for this purpose, that can handle graphic-intensive data-interrogation, and memory-intensive long-time spectral and statistical signal analyses.

***Mechatronics – Robotics, Control and Intelligence Facilities:***

Mechatronics is the synergistic integration of mechanical, electrical, control, and computer systems to create functional products. The field of mechatronics generally covers topics such as robotics, Micro-Electro-Mechanical-Systems (MEMS), intelligent systems, automated guided vehicles, and smart materials. AME mechatronics group's research focuses on a variety of robot designs and control methodologies. A major challenge in this field pertains to exploitation of bio-inspired systems that can adapt to their surroundings while efficiently navigating cluttered and unpredictable terrains. This includes (1) legged robotics systems traversing up walls, across obstacles, swimming and diving underwater, etc.. (2) Human/Robotic Interactions and Biomechanics. (3) Bipedal robot locomotion and optimal control.

Detailed description of specialized instrumentation, manufacturing and diagnostics facilities of the mechatronics group can be found in the following web links: [Center for Intelligent Systems, Control, and Robotics](#), and [Optimal Robotics Laboratory](#).

***Aerospace-centric Materials Research Facilities:*** In addition to the AME center, aerospace engineering faculty and students will have access to aerospace-related materials research facilities and collaborators from [High Performance Materials Institute \(HPMI\)](#) with expertise in high-performance composite and nanomaterials, structural health monitoring, multifunctional nanomaterials advanced manufacturing and process modeling. HPMI has world-class facilities in materials processing, synthesis, thermal and mechanical testing, imaging and microscopy as well as outstanding capability in computational modeling and simulation. Detailed description of HPMI's specialized equipment and resources can be found in this link: [Equipment | High-Performance Materials Institute](#).

***Cryogenics Facilities:*** Cryogenics is used to cool aviation components, and to store rocket fuel at extremely low temperatures, with liquid hydrogen and liquid oxygen being the most widely used fuel and oxidizer. The advancement of cryogenic thermal and fluid management technology is considered an integral part of the development of deep space exploratory missions. The FSU Cryogenics Laboratory is a fully developed 3000 ft<sup>2</sup> facility for the conduct of low temperature experimental research in fluid dynamics, heat transfer and materials characterization. The laboratory is housed at the National High Magnetic Field Laboratory (NHMFL), which is adjacent to the FAMU-FSU College of Engineering in Tallahassee, FL. These facilities include: Cryogenic Helium Experimental Facility, Liquid Helium Flow Visualization Facility, Laser Induced Fluorescence Imaging Facility, Cryogenic Magnetic Levitation Facility, Multi-layer Thermal Conductivity Measurement Facility, etc.. More detailed description of these facilities can be found in [Cryogenics Lab](#).

- D. Describe any additional specialized equipment or space needed to implement and/or sustain the proposed program through Year 5. Include any projected Instruction and Research (I&R) costs of additional space in Appendix A – Table 3A or 3B. Costs for new construction should be provided in response to Section IX.E. below.**

**☒ Not applicable to this program because no new I&R costs are needed to implement or sustain the program through Year 5**

Although no new specialized equipment or space are requested, additional facilities and laboratory space are desired to sustain and grow the program beyond the first five years of the graduate program. These directions include additional graduate research thrusts (e.g., space applications, propulsion, combustion) and an undergraduate aerospace degree program. Critical research areas of national need that complement current expertise at the FAMU-FSU College of Engineering include aerospace structures, combustion technology, and liquid hydrogen research and test facilities. The latter aligns with a new hydrogen initiative. With respect to expansions to an undergraduate aerospace degree program, additional makerspace for aerospace structure design and development, and a cryogenics laboratory. The latter will take advantage of world-class resources and expertise (including mechanical engineering department professors) in the field of cryogenics. Moreover, this will offer opportunities to train undergraduates in the growing field of quantum information in science where superconductivity hardware is one of the main quantum computing hardware platforms. Furthermore, this is another strategic research thrust at FSU.

- E. If a new capital expenditure for instructional or research space is required, indicate where this item appears on the university's fixed capital outlay priority list. Appendix A – Table 3A or 3B includes only I&R costs. If non-I&R costs, such as indirect costs affecting libraries and student services, are expected to increase due to the program, describe and estimate those expenses in narrative form below. High enrollment programs, in particular, are expected to necessitate increased costs in non-I&R activities.**

**☒ Not applicable to this program because no new capital expenditures are needed to implement or sustain the program through Year 5.**

Similarly, no capital expenditures are requested here; however, investments that may need consideration to sustain the program include faculty start-up funds and a future research building for space and propulsion applications. Whereas the start of a strong AE graduate program can be created with existing facilities at the Aero-Propulsion, Mechatronics, and Energy Building located near the FAMU-FSU College of Engineering, these facilities focus on subsonic, transonic, supersonic and hypersonic (Mach ~5-6) fluid dynamics and robotic applications. An additional research building should be considered in the long term to expand the program to space applications. This will be important for the growth of the graduate program and the future development of an undergraduate program.

- F. Describe any additional special categories of resources needed to operate the proposed program through Year 5, such as access to proprietary research facilities, specialized services, or extended travel. Explain how those projected costs of special resources are reflected in Appendix A – Table 3A or 3B.**

**☒ Not applicable to this program because no additional special categories of resources are needed to implement or sustain the program through Year 5.**

- G. Describe fellowships, scholarships, and graduate assistantships to be**

**allocated to the proposed program through Year 5 and explain how those are reflected in Appendix A – Table 3A or 3B.**

☐ **Not applicable to this program because no fellowships, scholarships, and/or graduate assistantships will be allocated to the proposed program through Year 5.**

Fellowships and/or scholarships are proposed for the first year \$50,000 and similarly \$50,000 in the fifth year, to attract highly qualified U.S. students into the aerospace field. These funds will be a small fraction of the expected C&G funds that will support graduate students as shown in Table 3A. These funds will provide additional salaries for highly qualified PhD students at competitive rates to top AE programs within the U.S. The students will be selected by the graduate committee in the Mechanical Engineering Department with input from a faculty member's recommendations who intends to mentor and support the student with a base salary.

## **X. Required Appendices**

The appendices listed in tables 1 & 2 below are required for all proposed degree programs except where specifically noted. Institutions should check the appropriate box to indicate if a particular appendix is included to ensure all program-specific requirements are met. Institutions may provide additional appendices to supplement the information provided in the proposal and list them in Table 2 below.

**Table 1. Required Appendices by Degree Level**

Appendix	Appendix Title	Supplemental Instructions	Included Yes/No	Required for Degree Program Level		
				Bachelors	Masters/ Specialist	Doctoral/ Professional
A	Tables 1-4			X	X	X
B	Consultant's Report and Institutional Response					X
C	Academic Learning Compacts	Include a copy of the approved or proposed Academic Learning Compacts for the program		X		
D	Letters of Support or MOU from Other Academic Units	Required only for programs offered in collaboration with multiple academic units within the institution		X	X	X

E	Common Prerequisite Request Form	This form should also be emailed directly to the BOG Director of Articulation before submitting the program proposal to the Board office for review.		X		
F	Request for Exemption to the 120 Credit Hour Requirement	Required only for baccalaureate degree programs seeking approval to exceed the 120 credit hour requirement		X		
G	Request for Specialized Admissions Status	Required only for baccalaureate degree programs seeking approval for specialized admissions status		X		
H	Attestations for Self-Supporting and Market Tuition Rate Programs	Required only for self-supporting or market tuition rate programs			X	X
I	Faculty Curriculum Vitae			X	X	X

**Table 2. Additional Appendices**

<b>Appendix</b>	<b>Appendix Title</b>	<b>Description</b>
A	Faculty Participation	Faculty data
B	Program Collaborations	Email discussion with chairs

**APPENDIX A**  
**TABLE 1-B**  
**PROJECTED HEADCOUNT FROM POTENTIAL SOURCES**  
**(MS+PhD Graduate Degree Programs)**

Source of Students (Non-duplicated headcount in any given year)*	Year 1 HC	Year 1 FTE	Year 2 HC	Year 2 FTE	Year 3 HC	Year 3 FTE	Year 4 HC	Year 4 FTE	Year 5 HC	Year 5 FTE
Individuals drawn from agencies/industries in your service area (e.g., older returning students)	2	1	3	1	3	3	1	1	3	3
Students who transfer from other graduate programs within the university**	4	4	4	2	4	2	2	2	2	2
Individuals who have recently graduated from preceding degree programs at this university	6	4	12	10	4	12	10	19	12	10
Individuals who graduated from preceding degree programs at other Florida public universities	6	4	12	10	19	15	26	22	26	20
Individuals who graduated from preceding degree programs at non-public Florida institutions	7	5	14	12	21	16	28	23	32	26
Additional in-state residents***	0	0	0	0	0	0	0	0	0	0
Additional out-of-state residents***	0	0	0	0	0	0	0	0	0	0
Additional foreign residents***	0	0	0	0	0	0	0	0	0	0
Other (Explain)***	0	0	0	0	0	0	0	0	0	0
<b>Totals</b>	<b>25</b>	<b>18</b>	<b>45</b>	<b>35</b>	<b>51</b>	<b>48</b>	<b>67</b>	<b>67</b>	<b>75</b>	<b>61</b>

\* List projected annual headcount of students enrolled in the degree program. List projected yearly cumulative ENROLLMENTS instead of admissions.

\*\* If numbers appear in this category, they should go DOWN in later years.

\*\*\* Do not include individuals counted in any PRIOR category in a given COLUMN.

## APPENDIX A

**Table 2  
Anticipated Faculty Participation**

Faculty Code	Faculty Name or "New Hire" Highest Degree Held Academic Discipline or Specialty	Rank	Contract Status	Initial Date for Participation in Program	Mos. Contract Year 1	FTE Year 1	% Effort for Prg. Year 1	PY Year 1	Mos. Contract Year 5	FTE Year 5	% Effort for Prg. Year 5	PY Year 5
A	Rajan Kumar, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	9	0.75	0.10	0.08	9	0.75	0.20	0.15
A	Yousuf Ali, Ph.D. Mechanical Engineering	Instructor	MYA	Fall 2025	12	1.00	0.10	0.10	12	1.00	0.18	0.18
A	Chiang Shih, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	9	0.75	0.10	0.08	9	0.75	0.00	0.00
A	William Oates, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	9	0.75	0.15	0.11	9	0.75	0.20	0.15
A	Farrukh Alvi, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Huixuan Wu, PhD Mechanical Engineering	Associate Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.18	0.14
A	Alex Berger, PhD Aerospace Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.13	0.10
A	Kourosh Shoele, PhD Mechanical Engineering	Associate Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Neda Yaghoobian, PhD Mechanical Engineering	Associate Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.12	0.09
A	Jizhe Cai, PhD Aerospace Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Christian Hubicki, PhD Mechanical Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Unni Nair, PhD Mechanical Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Wei Guo, PhD Physics	Full Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.12	0.09
A	Juan Ordonez, PhD Mechanical Engineering	Full Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.10	0.08
A	Carl Moore, PhD Mechanical Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.10	0.08
A	David Larbalestier, PhD	Full Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.00	0.00

## APPENDIX A

**Table 2**  
**Anticipated Faculty Participation**

	Engineering											
A	Eric Hellstrom, PhD Engineering	Full Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.00	0.00
A	Brandon Krick, PhD Mechanical Engineering	Associate Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Fumitake Kametani, PhD Engineering	Associate Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.05	0.04
B	New Hire, PhD Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.20	0.15
B	New Hire, PhD Engineering	Associate Prof	Tenured	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.20	0.15
C	New Hire, PhD Engineering	Associate Prof	Tenured	Fall 2026	0	0.00	0.00	0.00	9	0.75	0.30	0.23
C	New Hire, PhD Engineering	Assistant Prof	track	Fall 2026	0	0.00	0.00	0.00	12	1.00	0.30	0.30
C	New Hire, PhD Engineering	Assistant Prof	track	Fall 2027	0	0.00	0.00	0.00	9	0.75	0.30	0.23
C	New Hire, PhD Engineering	Assistant Prof	track	Fall 2027	0	0.00	0.00	0.00	9	0.75	0.30	0.23
C	New Hire, PhD Engineering	Research Prof	MYA	Fall 2027	0	0.00	0.00	0.00	12	1.00	0.05	0.05
C	New Hire, PhD Engineering	Research Prof	MYA	Fall 2028	0	0.00	0.00	0.00	12	1.00	0.05	0.05
C	New Hire, PhD Engineering	Research Prof	MYA	Fall 2028	0	0.00	0.00	0.00	12	1.00	0.05	0.05
	<b>Total Person-Years (PY)</b>							<b>1.01</b>				<b>3.12</b>

Faculty Code	Code Description	Source of Funding	PY Workload by Budget Classification		
			Year 1		Year 5
A	Existing faculty on a regular line	Current Education & General Revenue	0.94		1.69
B	New faculty to be hired on a vacant line	Current Education & General Revenue	0.08		0.30
C	New faculty to be hired on a new line	New Education & General Revenue	0.00		1.13
D	Existing faculty hired on contracts/grants	Contracts/Grants	0.00		0.00
E	New faculty to be hired on contracts/grants	Contracts/Grants	0.00		0.00
F	Existing faculty on endowed lines	Philanthropy & Endowments	0.00		0.00
G	New faculty on endowed lines	Philanthropy & Endowments	0.00		0.00



**APPENDIX A**  
**Table 2**  
**Anticipated Faculty Participation**

H	Existing or new faculty teaching outside of regular/tenure-track line course load	Enterprise Auxiliary Funds	0.00		0.00
Overall Totals for			1.01		3.12

**APPENDIX A**  
**TABLE 3A**  
**EROLLEMENT AND GROWTH**  
**PROJECTED COSTS AND FUNDING SOURCES**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Institutions should not edit the categories or budget lines in the table below. This table is specific to state-funded (E&G) programs, and institutions are expected to explain all costs and funding sources in Section VII.A. of the proposal. Detailed definitions for each funding category are located at the bottom of the table.															
2	Budget Line Item	Reallocated Base* (E&G) Year 1	Enrollment Growth (E&G) Year 1	New Recurring (E&G) Year 1	New Non-Recurring (E&G) Year 1	Contracts & Grants (C&G) Year 1	Philanthropy/ Endowments Year 1	Other Funding Year 1 - Please Explain in Section VII.A. of the Proposal	Subtotal Year 1	Continuing Base** (E&G) Year 5	New Enrollment Growth (E&G) Year 5	Other*** (E&G) Year 5	Contracts & Grants (C&G) Year 5	Philanthropy/ Endowments Year 5	Other Funding Year 5 - Please Explain in Section VII.A. of the Proposal	Subtotal Year 5
3	Salaries and Benefits (Faculty)	237,825	0	0	0	91,374	0	0	\$329,199	588,375	0	0	231,770	0	0	\$820,144
4	Salaries and Benefits (A&P and USPS)	10,000	0	0	0	0	0	0	\$10,000	50,000	0	0	0	0	0	\$50,000
5	OPS (including assistantships & fellowships)	50,000	0	0	0	274,122	0	0	\$324,122	50,000	0	0	695,309	0	0	\$745,309
6	Programmatic Expenses****	10,000	0	0	0	91,374	0	0	\$101,374	15,000	0	0	231,770	0	0	\$246,770
7	Total Costs	\$307,825	\$0	\$0	\$0	\$456,871	\$0	\$0	\$764,696	\$703,375	\$0	\$0	\$1,158,849	\$0	\$0	\$1,862,223
8	*Identify reallocation sources in Table 4.															
9	**Includes recurring E&G funded costs ("reallocated base," "enrollment growth," and "new recurring") from Years 1-4 that continue into Year 5.															
10	***Identify if non-recurring.															
11	****include library costs, expenses, OCO, special categories, etc.															
12	Faculty and Staff Summary															
13	Total Positions	Year 1	Year 5													
14	Faculty (person-years)	1.01	3.12													
15	FTE (A&P and USPS)	0.3	1													
16																
17																
18	Table 3 Column Explanations															
19	Reallocated Base* (E&G)	1	E&G funds that are already available in the university's budget and will be reallocated to support the new program. Please include these funds in the Table 4 – Anticipated reallocation of E&G funds and indicate their source.													
20	Enrollment Growth (E&G)	2	Additional E&G funds allocated from the "Student and Other fees Trust Fund" contingent on enrollment increases.													
21	New Recurring (E&G)	3	Recurring funds appropriated by the Legislature to support implementation of the program.													
22	New Non-Recurring (E&G)	4	Non-recurring funds appropriated by the Legislature to support implementation of the program. Please provide an explanation of the source of these funds in the budget section (section VII.A.) of the proposal. These funds can include initial investments, such as infrastructure.													
23	Contracts & Grants (C&G)	5	Contracts and grants funding available for the program.													
24	Philanthropy Endowments	6	Funds provided through the foundation or other Direct Support Organizations (DSO) to support the program.													
25	Continuing Base** (E&G)	7	Includes the sum of columns 1, 2, and 3 over time.													
26	New Enrollment Growth (E&G)	8	See explanation provided for column 2.													
27	Other*** (E&G)	9	These are specific funds provided by the Legislature to support implementation of the program.													
28	Contracts & Grants (C&G)	10	See explanation provided for column 5.													
29	Philanthropy Endowments	11	See explanation provided for column 6.													
30	Other Funding	12	Any funding sources not already covered in any other column of the table. Please provide an explanation for any funds listed in these columns in the narrative for Section VII.A. of the proposal.													

Calculated Cost per Student FTE		
	Year 1	Year 5
Total E&G Funding	\$307,825	\$703,375
Annual Student FTE	18	61
E&G Cost per FTE	\$17,101	\$11,531

**Calculated Cost per Student FTE**

	Year 1	Year 5
Total E&G Funding	\$307,825	\$703,375
Annual Student FTE	18	61
E&G Cost per FTE	\$17,101	\$11,531

**APPENDIX A**  
**TABLE 4**  
**ANTICIPATED REALLOCATION OF EDUCATION GENERAL FUNDS\***

Program and/or E&G account from which current funds will be reallocated during Year 1	Base before reallocation	Amount to be reallocated	Base after reallocation
Mechanical Engineering Budget 218000110	\$3,534,076	\$307,825	\$3,226,251
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
<b>Totals</b>	\$3,534,076	\$307,825	\$3,226,251

\* If not reallocating E&G funds, please submit a zeroed Table 4

## External Review of a Proposal by Florida State University for the establishment of a graduate degree program in Aerospace Engineering

Mark Glauser  
Professor Emeritus of Mechanical and Aerospace Engineering  
Syracuse University  
April 26, 2024

This is my review of the Florida A&M and Florida State Universities proposal to offer a graduate degree program in Aerospace Engineering (AE) beginning Spring 2025. The graduate program will offer master's and doctoral degrees. The proposed program will be offered jointly within the FAMU-FSU College of Engineering and operate within the FAMU-FSU Mechanical Engineering Department. This review was conducted to judge compliance with the Florida Board of Governors New Degree Criteria.

This is an excellent proposal that is timely and well written which addresses all the Board of Governors' criteria. Both qualitative and quantitative material is provided that demonstrates that the proposal meets all the criteria. The proposal to have this program housed in the Mechanical Engineering Department is the proper choice given the current extensive ongoing research in that department that is Aerospace related. This will significantly enhance FAMU-FSUs already well-respected reputation in the Aerospace sector. We at Syracuse University have recently hired 2 recent Ph.D. graduates from the FAMU-FSU Mechanical Engineering program as Assistant Professors in our Aerospace Engineering program (Professors Yiyang Sun and Fernando Zigunov) due to their outstanding research and education in the Aerospace area. Having these two colleagues graduate with Ph.D. degrees in Aerospace Engineering would have made their hiring to support our Aerospace Engineering program somewhat easier. This is due to the fact some of my colleagues were unsure if Professors Sun and Zigunov were sufficiently trained in Aerospace Engineering to be hired into our Aerospace Engineering program. Given my knowledge of the significant level of depth in the Aerospace discipline within the FAMU-FSU Mechanical Engineering Department, I was able to dispel the concerns of my colleagues and we moved forward hiring them as Assistant Professors in Aerospace Engineering. The proposed graduate degree program in Aerospace Engineering will make this a non-issue.


What the FAMU-FSU Mechanical Engineering faculty are asking for is the opportunity to have their graduate students whose main research focus is in the Aerospace area graduate with the degree that is more in line with their expertise. It could be argued that this is more a matter of marketing and packaging than establishing an entirely new program from scratch. Leveraging the already outstanding research and education in the Aerospace discipline within the FAMU-

FSU Mechanical Engineering program explains the relatively minor cost of the new proposed graduate degree program in Aerospace Engineering.

The Board of Governors is concerned about duplication in the state. This is not an issue in this case. As pointed out in the proposal, the AE program at FAMU and FSU will complement the other two programs in the state at UF and UCF (see Appendix B) and advance the State and Federal calls to increase competence in science, technology, engineering, and math (STEM) in upcoming generations and to promote advanced aerospace engineering to solve fundamental problems that have immediate technical applications. In Florida, the aerospace industry is an essential component of the State's economy. Furthermore, there are several federal research laboratories in the Panhandle region, including Eglin and Tyndall Air Force Bases, the Naval Surface Warfare Center—Panama City Division and the Naval Air Station in Pensacola, that need new, well-trained AE graduates in their workforce. In addition, many industries in Florida, like defense and aerospace contractors, need aerospace engineers at the master's and doctoral level. The need for the AE graduate degree program is clearly justified. Let me give some perspective from the State of New York. Our Aerospace sector in New York is significantly smaller than that of Florida and we don't even come close to having the federal facilities that engage in the Aerospace sector that Florida has. Note however, that within New York State we have several Aerospace graduate degree programs including Syracuse University, Cornell University, RPI, Clarkson and the University at Buffalo/SUNY. Given the level of activity in the State of Florida within the Aerospace sector, adding an additional graduate degree program in AE at FAMU-FSU is the proper and timely thing to do.

I believe this is an excellent proposal that the Board of Governors should feel highly confident in approving. Feel free to reach out to me at [mglauser@syrr.edu](mailto:mglauser@syrr.edu) or 315 244 0882 (cell) if you would like additional input.

With Best Personal Regards,

A handwritten signature in black ink, reading "Mark Glauser", is centered on a light yellow rectangular background.

Mark Glauser  
Emeritus and Research Professor of  
Mechanical and Aerospace Engineering  
College of Engineering and Computer Science  
Fellow; AIAA, APS, ASME, Institute of Physics (UK)  
Member, Army Science Board 2013 - 2021



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM B



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Academic Affairs Committee*

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#### **CONSENT ITEM B**

**June 20, 2024**

**SUBJECT:** Proposal to Implement Master's in Aerospace Engineering

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#### **PROPOSED COMMITTEE ACTION**

The FAMU-FSU College of Engineering requests approval to implement a master's degree in Aerospace Engineering, effective Fall 2025.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

BOG Regulation 8.011: Authorization of New Academic Degree Programs and Other Curricular Offerings, states that each university Board of Trustees has the authority to approve new degree programs at the bachelors, master's, and specialist levels. This proposal has been approved internally by all individuals and faculty committees described in FSU Regulation 5.099: Development, Approval, Termination, and Suspension of Degree Programs.

#### **BACKGROUND INFORMATION**

The proposed M.S. in Aerospace Engineering will provide highly-trained graduates to meet aerospace workforce needs. It will build upon the existing research strength of the state-wide Florida Center for Advanced Aero-Propulsion (FCAAP) that is housed at FSU, through which FAMU-FSU faculty members work collaboratively with faculty from UF, UCF, Embry-Riddle, and Miami University to develop cutting-edge technologies and a technology-savvy aerospace workforce. The program qualifies as a Program of Strategic Emphasis (STEM category) in the Florida Board of Governors 2025 Strategic Plan and will be offered face-to-face at the FAMU-FSU College of Engineering.

The demand for aerospace engineers is particularly pronounced in high-technology sectors supporting aircraft development such as manufacturing, electronics, human performance in space, and sensing. The Bureau of Labor Statistics anticipates a 6% percent growth in the employment of aerospace engineers nationally from 2022 to 2032 (<https://data.bls.gov/projections/occupationProj>). The same projection for Florida is much higher, 18.4% growth from 2023-2031. Florida has a significant presence in the aerospace, defense, marine, and space industries (Lockheed Martin, Boeing, Raytheon, Northrop

Grumman, and General Dynamics), which employ aerospace engineers. In 2022, there were 4,580 aerospace engineers employed in Florida with an average hourly wage of \$55.70 (<https://www.floridajobs.org/workforce-statistics/data-center/statistical-programs/occupational-employment-statistics-and-wages>).

In addition to a firm grounding in the fundamentals of aeronautical engineering, the curriculum will include courses in these core areas: fluid dynamics and aerodynamics, dynamical systems and controls, thermal transport, and the mechanics of materials. The program will require 30 credit hours of coursework as well as completion and defense of a thesis. The Board's approval to implement does not obligate the University to provide any specific resources requested; any resource request will be reviewed as part of the annual allocation of resources.

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

Per BOG Regulation 8.011, no Board of Governors approval is required. The approved proposal will be submitted to BOG staff for technical review before it is placed in the BOG Degree Program Inventory.

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**Supporting Documentation Included:** Proposal to Implement Ph.D. and Master's in Aerospace Engineering

**Submitted by:** Office of Faculty Development and Advancement





State University System of Florida Board of Governors  
**REQUEST TO OFFER A NEW DEGREE PROGRAM**

In accordance with Board of Governors Regulation 8.011

(Please do not revise this proposal format without prior approval from Board staff)

Florida State University

Institution Submitting Proposal

FAMU-FSU College of Engineering

Name of College(s) or School(s)

Aerospace Engineering

Academic Specialty or Field

Proposed CIP Code (2020 CIP)

14.0201

Proposed Implementation Term

Fall 2025

Name of Department(s)/Division(s)

Aerospace Engineering

Complete Name of Degree

Proposed Program Type

☒ E&G Program

☐ Market Tuition Rate Program

☐ Self-Supporting Program

The submission of this proposal constitutes a commitment by the university that, if the proposal is approved, the necessary financial resources and the criteria for establishing new programs have been met before the program's initiation.

Date Approved by the University  
Board of Trustees

Board of Trustees Chair's Signature Date

President's Signature Date

Provost's Signature Date

## Projected Enrollments and Program Costs

Provide headcount (HC) and full-time equivalent (FTE) student estimates for Years 1 through 5. HC and FTE estimates should be identical to those in Appendix A – Table 1. Indicate the program costs for the first and the fifth years of implementation as shown in the appropriate columns in Appendix A – Table 3A or 3B. Calculate an Educational and General (E&G) cost per FTE for Years 1 and 5 by dividing the total E&G by FTE.

Implementation Timeframe	HC	FTE	E&G Cost per FTE	E&G Funds	Contract & Grants Funds	Auxiliary/ Philanthropy Funds	Total Cost
Year 1	25	18	\$17,101	\$307,825	\$456,871		\$764,696
Year 2	45	35					
Year 3	51	48					
Year 4	67	67					
Year 5	75	61	\$11,531	\$703,375	\$1,158,849		\$1,862,223

## Programs of Strategic Emphasis Waiver (for baccalaureate programs only)

Does the program fall under one of the CIP codes listed below?

☐ Yes

☐ No

If yes, students in the program will be eligible for the Programs of Strategic Emphasis (PSE) waiver. See [Board Regulation 7.008](#) and the [PSE Waiver Guidance](#) for additional details.

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

## Additional Required Signatures

I confirm that I have reviewed and approved Need and Demand Section III.F. of this proposal.

DocuSigned by:



Signature of Equal Opportunity Officer

Date of Signature

**I confirm that I have reviewed and approved Non-Faculty Resources Section IX.A. and IX.B. of this proposal.**

DocuSigned by:

*Gale Etischmaier*

**Signature of Library Dean/Director**

**Date of Signature**

## **Introduction**

### **I. Program Description and Relationship to System-Level Goals**

#### **A. Describe within a few paragraphs the proposed program under consideration and its overall purpose, including:**

- **degree level(s)**
- **majors, concentrations, tracks, specializations, or areas of emphasis**
- **total number of credit hours**
- **possible career outcomes for each major (provide additional details on meeting workforce needs in Section III)**

Florida A&M and Florida State Universities propose to offer a graduate degree program in Aerospace Engineering (AE) beginning Spring 2025. The graduate program will offer master's and doctoral degrees. The proposed program will be offered jointly within the FAMU-FSU College of Engineering and operate within the FAMU-FSU Mechanical Engineering Department. It will use faculty that currently teach within the existing Mechanical Engineering program at the FAMU-FSU College of Engineering. Additional faculty hires are proposed to expand the program in strategic directions that build upon existing strengths and future challenges in aerospace fields.

The AE graduate program will consist of one major. Completion of the master's program, whether thesis or non-thesis, requires a minimum of 30 credits. For students holding a master's degree, completion of the doctoral program requires 48 credits. Alternatively, for students entering the doctoral program immediately after their bachelor's degree, completion requires 60 credits. In their first year, students will gain a firm grounding in the fundamentals of AE through core courses (12 credits) taught by faculty members within the Mechanical Engineering department (these courses are already available). The student and their research advisor will determine which elective specialization courses are best for their research. Students will also register for the existing weekly Mechanical Engineering Graduate Seminar Series, taken every semester through graduation (0 credits). In this seminar series, students will be exposed to FAMU and FSU faculty and external researchers working in areas highly relevant to aerospace engineering (e.g., fluid dynamics, controls, robotics, thermal transport, large-scale computations, mechanics of materials). This seminar series also includes discussions about professional development skills given by industry speakers, government laboratory researchers, and academics about leadership strategies and tactics.

As background information, Aerospace Engineering primarily revolves around creating, advancing, testing, and manufacturing aircraft, spacecraft, and associated systems and structures. Historically, the discipline has centered on challenges about atmospheric and

space travel, encompassing two key and interconnected branches: aeronautical engineering, which concentrates on the theory, technology development, and application of flight within Earth's atmosphere, and astronautical engineering, which delves into the science and technology of spacecraft and launch vehicles. Aerospace engineers play a crucial role in advancing technologies and incorporating them into aerospace vehicle systems for various purposes such as transportation, communication, exploration, and defense. Their responsibilities encompass the creation and production of aircraft, spacecraft, propulsion systems, satellites, and missiles. Additionally, they are involved in designing and testing various components and subassemblies related to aircraft and aerospace products. The AE program at FAMU and FSU will advance the State and Federal calls to increase competence in science, technology, engineering, and math (STEM) in upcoming generations and to promote advanced aerospace engineering to solve fundamental problems that have immediate technical applications. In Florida, the aerospace industry is an essential component of the State's economy. Furthermore, there are several federal research laboratories in the Panhandle region, including Eglin and Tyndall Air Force Bases, the Naval Surface Warfare Center—Panama City Division and the Naval Air Station in Pensacola, that need new, well-trained AE graduates in their workforce. In addition, many industries in Florida, like defense and aerospace contractors, need aerospace engineers at the master's and doctoral level. With the advanced knowledge attained in aerospace engineering, graduates of the program will demonstrate the application of acquired knowledge through analyzing, synthesizing, evaluating, and creating solutions in various disciplines such as materials, thermal management, fluid dynamics, acoustics, controls, solid mechanics, among others. They will effectively transfer this knowledge to innovate future aerospace technologies, both locally in the State of Florida and globally. Furthermore, doctoral-trained graduates are also eligible for careers in academia.

**B. If the proposed program qualifies as a Program of Strategic Emphasis, as described in the Florida Board of Governors 2025 System Strategic Plan, indicate the category.**

- **Critical Workforce**

- ☐ Education
- ☐ Health
- ☐ Gap Analysis

- **Economic Development**

- ☐ Global Competitiveness
- ☒ Science, Technology, Engineering, and Math (STEM)

☐ **Does not qualify as a Program of Strategic Emphasis.**

**II. Strategic Plan Alignment, Projected Benefits, and Institutional Mission and Strength**

**A. Describe how the proposed program directly or indirectly supports the following:**

- **System strategic planning goals (see the link to the 2025 System Strategic Plan on the [New Program Proposals & Resources](#) webpage)**
- **the institution's mission**
- **the institution's strategic plan**

The AE program contributes directly to several of the State University System (SUS) Strategic Planning Goals in the 2025 System Strategic Plan. The specific areas in which the PhD in AE will impact or contribute are:

- Teaching and Learning
  - Strengthen the Quality and Reputation of the Universities
  - Increase Degree Productivity & Program Efficiency
  - Increase the Number of Degrees Awarded in Programs of Strategic Emphasis
- Scholarship, Research and Innovation
  - Increase Research Activity and Attract More External Funding

The new AE program also aligns well with the mission of Florida State University which involves incorporating elements that preserve, expand, and disseminate knowledge in various disciplines while emphasizing a philosophy of learning rooted in the liberal arts tradition. For example, the AE program will adopt an interdisciplinary approach, integrating the physics of fluids, materials, mathematics, technology, and professional development. This approach ensures a well-rounded education, aligning with the university's commitment to preserving and expanding knowledge across diverse fields. While this program heavily focuses on engineering, liberal arts will also be components within the aerospace curriculum. This will involve including courses and training that foster critical thinking, communication skills, and ethical considerations, thereby ensuring graduates possess a holistic education that extends beyond their technical knowledge.

The program will also include a curriculum that emphasizes excellence in teaching and research. We will provide students with opportunities to engage in cutting-edge research, collaborate with industry professionals, and participate in hands-on projects that contribute to advancements in aerospace engineering and technology. The AE program will also foster a culture of creativity and innovation within the program. It will encourage students to explore novel ideas, pursue entrepreneurial endeavors, and contribute to developing new technologies and solutions in the aerospace industry. This program will also include service-learning components that allow students to apply their aerospace knowledge to address real-world challenges. Many opportunities exist within the Department of Engineering via the Mechanical Engineering Graduate Student Association (MEGSA—RSO [Recognized Student Organization]) to encourage community engagement, partnerships with local industries, and outreach programs, such as the Challenger Learning Center, that contribute to the betterment of society. As part of the College of Engineering and Department of Mechanical Engineering's mission of leadership and professional development, we will also emphasize the development of ethics, skill, and character in students. We will provide opportunities for personal and professional growth, instilling a commitment to lifelong learning from coursework and research experiences. We will foster an environment that encourages personal responsibility and sustained achievement through active engagements with faculty throughout their graduate program. The new AE graduate program will cultivate a program that embraces diversity and inclusion. This includes creating a supportive and inclusive learning environment that reflects the university, college and department's commitment to a community fostering free inquiry.

By incorporating these elements, the aerospace graduate program can effectively align

with Florida State University's mission, contributing to the preservation, expansion, and dissemination of knowledge while fostering a commitment to excellence, diversity, and community engagement.

The AE program is also consistent with FAMU's mission. Florida Agricultural and Mechanical University (FAMU) is an 1890 land-grant institution dedicated to the advancement of knowledge, the resolution of complex issues, and the empowerment of citizens. FAMU's distinction as a doctoral/research institution will continue to provide mechanisms to address emerging issues through local and global partnerships. Expanding upon the University's land-grant status will enhance the lives of constituents through innovative research, engaging cooperative extension, and public service.

In direct support of its mission, the proposed AE program aligns with FAMU's dedication to the "advancement of knowledge and resolution of complex issues." There are several ways in which aerospace engineering contributes to these advancements including:

1. **Technological Innovation:** Aerospace engineering is at the forefront of technological innovation. The field constantly pushes the boundaries of flow physics, materials and structures operating in extreme environments, and complex control theories, leading to developing cutting-edge technologies and solutions. This innovation not only improves aerospace systems but often has broader applications in other industries.
2. **Scientific Discovery:** The pursuit of aerospace engineering often involves exploring unknown frontiers in both space exploration and atmospheric research. This exploration leads to new scientific discoveries and motivates a deeper understanding of fundamental principles in physics, materials science, computational science, and other related disciplines.
3. **Environmental Sustainability:** Aerospace engineers work towards making air and space travel more environmentally sustainable. This involves developing fuel-efficient propulsion systems, light-weight materials, and exploring alternative energy sources. As air and space vehicles are pushed to high speeds and more frequent use, addressing the environmental impact of aerospace activities contributes to important global sustainability challenges.
4. **National Security and Defense:** Aerospace engineering is integral to the development of defense and security technologies. Advancements in aircraft design, missile systems, and satellite technology contribute to national defense capabilities and strategic security.
5. **Space Exploration and Colonization:** Aerospace engineering drives advancements in developing spacecraft, propulsion systems, life support systems, and robotics for exploring other planets. The knowledge gained from these endeavors contributes not only to space science but also to potential future human colonization of other celestial bodies.
6. **Communication and Connectivity:** Aerospace engineering is instrumental in the development of satellite systems that enable global communication, weather monitoring, navigation, and Earth observation. These systems contribute to enhanced connectivity, disaster management, and a greater understanding of global climate.



patterns.

7. **Medical and Biological Research:** Space missions often involve experiments in microgravity environments. The results of these experiments can have applications in medical and biological research on Earth. For example, studying the effects of space travel on the human body contributes to our understanding of physiology and potential medical advancements.
8. **Global Collaborations:** Many aerospace projects involve international collaborations. Working together on projects such as space exploration or satellite programs fosters global cooperation and the sharing of knowledge and resources, contributing to peaceful relations and diplomacy.

Overall, aerospace engineering contributes to the advancement of knowledge and the resolution of complex issues by driving technological innovation, exploring new frontiers, addressing environmental challenges, enhancing national security, enabling global connectivity, inspiring education, and fostering global collaboration. The interdisciplinary nature of aerospace engineering ensures that its impact extends far beyond the confines of the field itself.

Along with the Board of Governors' 2025 Strategic Plan and the FSU and FAMU missions, the proposed AE program aligns well with FAMU's goal for High Impact Research, Commercialization, Outreach, and Extension Services. Specific to Strategic Priority 3 of FAMURising, the graduate program in AE will address the following goals:

- Goal 1: Expand and enhance cutting-edge research and creative scholarship for the benefit of the State of Florida, the nation, and the world.
- Goal 2: Increase research productivity, commercialization and return on investment.
- Goal 3: Increase the number of nationally recognized graduate programs.

A graduate program in Aerospace Engineering will add opportunities for FAMU and the Joint College faculty to engage in cutting-edge research to keep pace with constantly changing societal needs for safe and efficient aircraft and provide a workforce that can design, test and manufacture aerospace technology for the benefit of the nation as a whole. Faculty associated with the program are already active in research. The graduate program will serve to increase their research contributions to FSU, FAMU and the State of Florida, and train graduates who can also use advanced knowledge in positions that require advanced decision-making and skills necessary to implement effective solutions around the development and deployment of aerospace systems and structures. Having a strong research-oriented doctoral program attracts increased numbers of students with diverse backgrounds, which is also aligned with FAMU's mission.

**B. Describe how the proposed program specifically relates to existing institutional strengths. This can include:**

- **existing related academic programs**
- **existing programs of strategic emphasis**
- **institutes and centers**
- **other strengths of the institution**

The Department of Mechanical Engineering (ME) at FAMU-FSU has a long history of

excellence in research and teaching in the fields of fluid dynamics, aerodynamics, and flow control. Current ME faculty are internationally recognized in aerodynamics research and are very active in a wide range of federally funded research programs in both experimental and computational aerodynamics. The research enterprise has been successful not only because of excellent faculty, but also for very talented and well-trained graduate and undergraduate students. The ME Department offers a wide range of fundamental core and technical electives in fields ranging from fluid dynamics theory, gas dynamics, fluid-structure interactions, smart materials, uncertainty quantification, and flow control. These courses are offered to graduate students to support their research. Our undergraduate courses in areas related to aerodynamics start at the sophomore level and continue through senior technical electives to prepare these students for successful careers in industry and graduate school.

With respect to strategic interest, aerodynamic engineering is well aligned with STEM and supports the overall strategic vision of the State of Florida. It is also well aligned with both universities as FSU has a strong interest in expanding aerodynamics research in the Panhandle through the new Triumph program in Panama City. This program will require support from faculty to help guide the research and develop academic programs to support this major external investment of \$98M. FAMU is also very interested in growing STEM programs to increase African American graduates in the field of aerospace engineering. We expect these new activities will attract more students, post doctorate researchers, and research dollars which will help propel FAMU to a research intensive (R1) university.

Aerospace graduate education and research is also well aligned with institutes and centers at FAMU and FSU. The Aero-Propulsion, Mechatronics, and Energy (AME) Building supports the educational and research mission of the Florida Center for Advanced Aero-Propulsion (FCAAP) Center within the FAMU-FSU College of Engineering. FCAAP is a state-funded center that started in 2008 to support research and workforce development in the State of Florida. This center is headquartered at FSU and includes faculty at multiple universities across the state including FAMU, the University of Florida, the University of Central Florida, and Embry-Riddle. Additional long-running research centers have been spun off of FCAAP, including a Federal Aviation Administration Center of Excellence on Commercial Space Transport (2011-2021) and a more recent Air Force Office of Scientific Research (AFOSR) Center of Excellence AEROMORPH on morphing high speed aircraft (awarded 2023). These research centers provide excellent experimental and computational resources and exceptional faculty that will be leveraged in this program.

Additional strengths worth noting include recently developed aerospace educational programs within the Mechanical Engineering Department. This includes an online Aerospace Certificate program through FSU that started in the fall of 2021. Given its relevance to the proposed graduate program, key dates associated with this online certificate are included in the planning process table. Several faculty members within the Mechanical Engineering Department (led by Prof. Rajan Kumar) are also involved with an Air Force Research Laboratory (AFRL) Scholars program where undergraduate and graduate students take courses and conduct experiments within the ME department during fall and spring semesters and spend summers working with AFRL scientists at Eglin and Wright Patterson Air Force Bases. This collaboration may be in the form of on-site work at AFRL or conducting experiments at FCAAP and reporting to AFRL scientists.



A similar program exists through a FAMU NASA MUREP program to support minority students interested in aerospace research. This program is led by a former department chair within the ME Department, Prof. Chiang Shih, and Co-PI Prof. Carl Moore. Lastly, the ME Department also runs a NASA University Leadership Initiative, led by Prof. Lance Cooley, which focuses on hydrogen-based aero-propulsion concepts. This not only aligns with the mission of the aerospace program but also the broader mission of FSU to support hydrogen energy applications. In summary, there are a large number of programs focused on aerospace engineering which provide excellent opportunities for graduate students interested in this field.

**C. Provide the date the pre-proposal was presented to the Council of Academic Vice Presidents Academic Program Coordination (CAVP ACG). Specify any concerns raised and provide a narrative explaining how each concern has been or will be addressed.**

No concerns were raised in the CAVP ACG on 11/15/2023.

**D. In the table below provide an overview of the institutional planning and approval process leading up to the submission of this proposal to the Board office. Include a chronology of all activities, providing the names and positions of university personnel and external individuals who participated.**

- If the proposed program is at the bachelor's level, provide the date the program was entered into the APPRiSe system, and, if applicable, provide a narrative responding to any comments received through APPRiSe.
- If the proposed program is a doctoral-level program, provide the date(s) of the external consultant's review in the planning table. Include the external consultant's report and the institution's responses to the report as Appendix B.

**Planning Process**

<b>Date</b>	<b>Participants</b>	<b>Planning Activity Description</b>
May 29, 2015	Chiang Shih and Jennifer Buchanan	Create a graduate program in Aerospace Engineering – Masters and Ph.D.
December 11, 2015	CAVP Academic Coordination Group	First CAVP-ACG Meeting
March 4, 2016	Review of BOT	Proposal to Explore is approved by FSU BOT. No second proposal to explore is required.
June 12, 2018	Murray Gibson, Farrukh Alvi, Eric Hellstrom, Rajan Kumar, and Chiang Shih	Create an online graduate certificate program in aeronautical engineering designed as a pathway to an MS/PhD program.
Summer 2018	Lou Cattafesta, Rajan Kumar, and Chiang Shih	Meeting with FAMU-FSU college computing services (CCS) and FSU Office of Distance Learning
Fall 2018	Lou Cattafesta and Rajan	Develop two pilot courses for the

	Kumar	program
Spring 2019	Mohd Ali, Jonas Gustavsson, Rajan Kumar, and Chiang Shih	Develop three more courses
Summer 2019	Mohd Yousuf Ali, Jonas Gustavsson, Rajan Kumar, Lou Cattafesta, and Chiang Shih	Develop into fully asynchronous distance learning courses
Fall 2019	Mohd Yousuf Ali, Jonas Gustavsson, Rajan Kumar, Lou Cattafesta, and Chiang Shih	Five graduate level courses are ready to be offered face-2-face and online asynchronously
November 2019	Department of Mechanical Engineering's Graduate Committee chaired by William Oates	Department graduate committee approves to start a certificate program in Aerospace Engineering – Aerodynamics
December 2019	FAMU-FSU College of Engineering – College Curriculum Committee  Sam Awoniyi, Linda DeBrunner, Patrick Hollis, John Telotte, Kamal Tawfiq, Deb Gautier, Subashini Iyer, Frederika Manciangli, Michelle Rambo-Roddenberry, Mohd Yousuf Ali, Lisa Spainhour	FAMU-FSU College of Engineering approves to start a certificate program in Aerospace Engineering – Aerodynamics
April 2020	William Oates and Murray Gibson	FAMU and FSU approves the College of Engineering's recommended proposal to start a certificate program in Aerospace Engineering – Aerodynamics
Fall 2021	Department of Mechanical Engineering	Online Graduate Certificate program in Aerospace Engineering – Aerodynamics is offered
10/19/2023	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kincey	Discuss pre-proposal for the graduate degree program in Aerospace engineering
11/15/2023	CAVP Academic Coordination Group	CAVP Pre-Proposal Approval
11/28/2023	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kincey	Proposed Aerospace program proposal guidelines
12/07/2023	William Oates, Mohd Yousuf Ali, Chaing Shih, Alex Berger, and Huixuan Wu	Proposal for FAMU-FSU Aerospace MS/PhD program
12/08/2023	William Oates, Mohd Yousuf Ali, and Kassidy Hof-Mahoney	Library resources for the proposed AE program
01/29/2024	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kincey	Aerospace Degree Proposal Follow-Up

02/22/2024	Chair Oates & ME faculty	Status update on Aerospace Graduate Degree proposal developments
02/27/2024	William Oates and Wei Guo	Approval for the proposed graduate program in AE by the department graduate committee members
03/01/2024	William Oates, Michelle Rambo-Rodenberry, Kari Aime, and FAMU-FSU College of Engineering Curriculum Committee	Approval for the proposed graduate program in AE by the FAMU-FSU college of engineering curriculum committee members
03/05/2024	William Oates, Mohd Yousuf Ali, Jennifer Buchanan, Amy Guerette, and Sundra Kinsey	Discuss next steps for approval from university curriculum committee
03/05/2024	Dr. Mark Glauser	External Reviewer has agreed to review the proposed program

**E. In the table below, provide a timetable of key events necessary for implementing the proposed program following approval of the program by the Board office or the Board of Governors through to the addition of the program to the State University System Academic Degree Program Inventory.**

#### **Events Leading to Implementation**

<b>Date</b>	<b>Implementation Activity</b>
June 20	BOT review and request for approval
June - July 2024	Board of Governors Staff Review for BOG Consideration
June – July 2024	Develop MOUs between collaborating departments
July – September 2024	Collaborate with BOG Staff in Preparation for November BOG Meeting
November 2024	Review by BOG
Fall 2024-Summer 2025	Development of additional AE courses (1. Rotary Wing Aerodynamics, 2. Structural Dynamics, and 3. Fracture Mechanics)
Spring 2025	Marketing and recruitment of students
Spring 2025	Update internal systems
Fall 2025	Enroll first cohort

#### **Institutional and State-Level Accountability**

### **III. Need and Demand**

**A. Describe the workforce need for the proposed program. The response should, at a minimum, include the following:**

- current state workforce data as provided by Florida's Department of Economic Opportunity
- current national workforce data as provided by the U.S. Department of

### **Labor's Bureau of Labor Statistics**

- **requests for the proposed program from agencies or industries in the university's service area**
- **any specific needs for research and service that the program would fulfill**

Aerospace engineering includes interdisciplinary graduate training in fluid dynamics, structures, thermal transport, dynamics, control, and materials which relies heavily on experimental, computational, and theoretical research. Graduate research and workforce development is a pivotal driver for creating novel aerospace systems and enhancing existing ones, critical for the evolution of technologies in aerospace transportation as well as energy, avionics, communications, information, homeland security, and national defense. Major federal funding agencies, such as the National Science Foundation, Department of Energy, Department of Defense, and NASA, allocate significant resources to support extensive research programs in aerospace engineering. Moreover, many industries, particularly in the State of Florida, are invested in aerospace and are actively seeking knowledgeable professionals in this field.

The demand for aerospace engineers is particularly pronounced in high-technology sectors that support aircraft development such as manufacturing, electronics, human performance in space, and sensing. The Bureau of Labor Statistics anticipates a 6% percent growth in the employment of aerospace engineers from 2022 to 2032 (<https://data.bls.gov/projections/occupationProj>). Florida, with its significant presence in aerospace, defense, marine, and space industries, hosts major players like Lockheed Martin, Boeing, Raytheon, Northrop Grumman, and General Dynamics, all of which employ aerospace engineers. These professionals are crucial for the development and application of new materials and structures for lighter, fuel efficient, and agile military aircraft and cutting-edge commercial planes. Nationally renowned companies like Boeing, General Dynamics, GE, Lockheed Martin, and Northrop Grumman heavily involve aerospace engineers in key roles. The anticipated percent growth in employment of aerospace engineers from 2023-2031 is 18.4% in Florida – which is **three** times the national growth rate.

Aerospace engineering (AE) graduates find opportunities not only in corporate settings but also in national and industrial labs, contributing to research and development. The expanding budgets of federal agencies' Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs in AE fields indicate a growing demand for AE graduates. Recent placements from FAMU and FSU's Mechanical Engineering program highlight the strength of the job market, with graduates assuming leadership roles in big and small high-tech businesses. Notable employers include Space-X, Boeing, Northrop Grumman, and various national labs.

The Mechanical Engineering Department Chair has engaged with select companies and the Eglin Air Force Research Laboratory to explore their potential hiring of MS and PhD graduates in Aerospace Engineering. Positive responses indicate a demand for MS and doctoral-prepared graduates in AE. The salary outlook for these graduates is promising, with recent Ph.D. recipients from the existing program earning upwards of approximately \$126,880 per year (<http://www.floridajobs.org/labor-market-information/data-center/statistical-programs/employment-projections>).

## National and Florida Workforce Demand

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

### Occupational Linkages for the Proposed Program

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

Complete the table below and summarize its contents in narrative form. Include data for all linked occupations, including those in the table above. Use data from the Search by CIP or SOC Employment Projections Data Tool provided periodically by Board staff.

### Labor Market Demand, CIP Code 14.0201

Occupations	Percent Change in Job Openings		Annual Average Job Openings		Total # of New Jobs		Education Level Needed for Entry
	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	FL 2023-31	U.S. 2022-32	
Aerospace Engineer	18.4%	6.1%	499	3,800	1,085	3,900	Bachelor's
Engineering Teachers, Post secondary	15.8%	9.3%	89	4,100	128	4,200	Doctoral Degree (Ph.D.)

Sources:

Date Retrieved: 02/21/2024

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

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

**B. Provide and describe data that support student demand for the proposed program. Include questions asked, results, and other communications with**

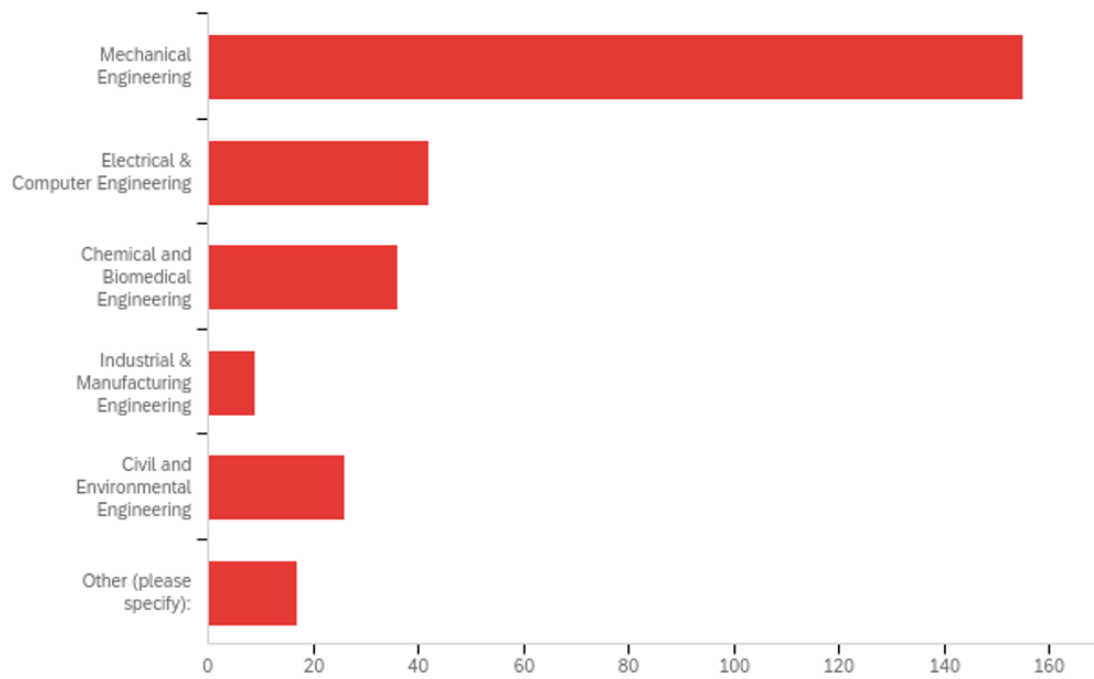
**prospective students.**

Prospective students are drawn to the prospect of enrolling in a graduate degree program in aerospace engineering due to the diverse career opportunities available in commercial aviation, defense, space exploration, and research. Pursuing a graduate degree is seen as a pathway to acquiring specialized knowledge and skills that can unlock lucrative and thrilling career paths. Florida, recognized as a hub for aerospace opportunities, provides an array of possibilities, including:

- **NASA and Space Industry:** The presence of the esteemed Kennedy Space Center offers aerospace engineers the chance to engage in various NASA missions, encompassing spacecraft launches and maintenance, research initiatives, and contributions to space exploration. Leading private space industry players like SpaceX, Blue Origin, and Boeing have firmly established themselves in Florida.
- **Defense and Military:** Florida is home to key military bases such as Eglin, Tyndall, and MacDill Air Force Research Laboratories, presenting opportunities in defense projects and technology. Aerospace engineers can contribute to defense-related initiatives, including the development of military aircraft, missile systems, and other defense technologies.
- **Commercial Aviation:** Prominent companies like Embraer, Spirit AeroSystems, and Lockheed Martin have a significant presence in Florida, offering compelling career opportunities for Ph.D. graduates.
- **Space Tourism:** The emerging sector of space tourism, led by companies like Virgin Galactic and Blue Origin, presents exciting prospects for aerospace engineers with graduate degrees to contribute to this groundbreaking industry.
- **Education and Research:** Aerospace engineers holding a PhD can explore opportunities in teaching, research, and curriculum development, contributing to the academic and research landscape of aerospace engineering.

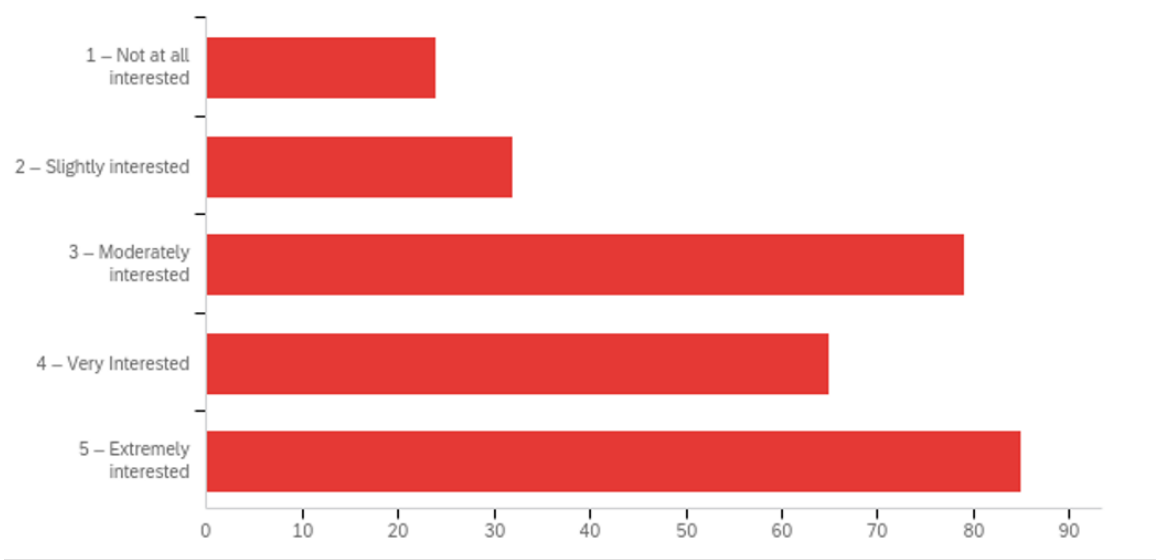
The FAMU-FSU College of Engineering conducted a survey to assess students' interest in pursuing graduate studies in Aerospace Engineering. The survey included the following questions, and it received responses from 289 individuals.

Q1 - What is your current undergraduate major or field of study?



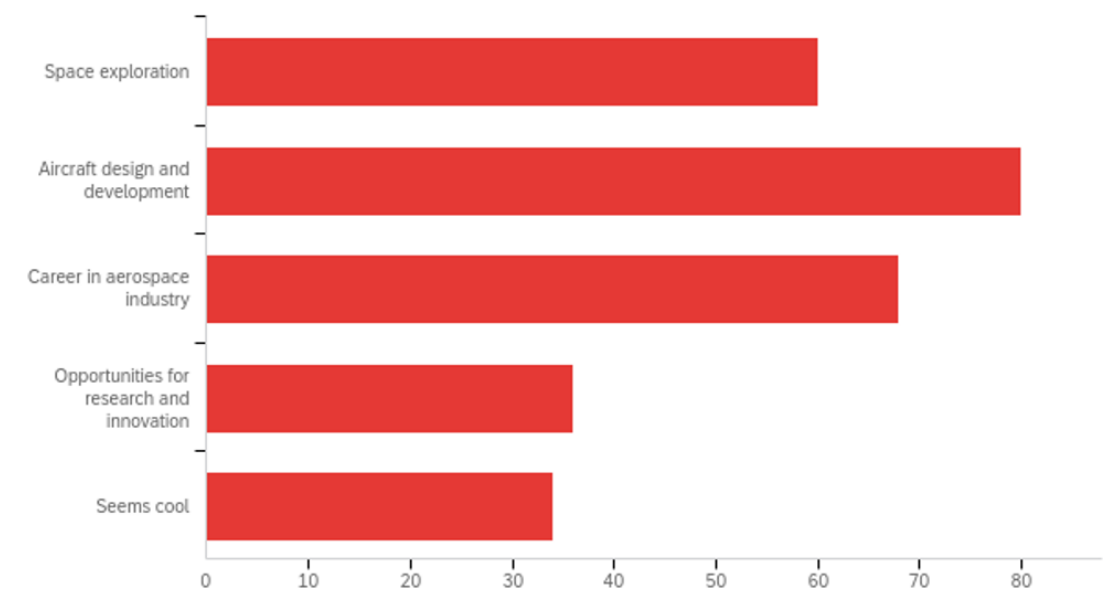
#	Answer	%	Count
1	Mechanical Engineering	54.39%	155
2	Electrical & Computer Engineering	14.74%	42
3	Chemical and Biomedical Engineering	12.63%	36
4	Industrial & Manufacturing Engineering	3.16%	9
5	Civil and Environmental Engineering	9.12%	26
6	Other (please specify):	5.96%	17
	Total	100%	285

Q2 - On a scale of 1 to 5, how interested are you in pursuing graduate studies in aerospace engineering at FAMU-FSU COE?



#	Answer	%	Count
1	1 – Not at all interested	8.42%	24
2	2 – Slightly interested	11.23%	32
3	3 – Moderately interested	27.72%	79
4	4 – Very Interested	22.81%	65
5	5 – Extremely interested	29.82%	85
	Total	100%	285

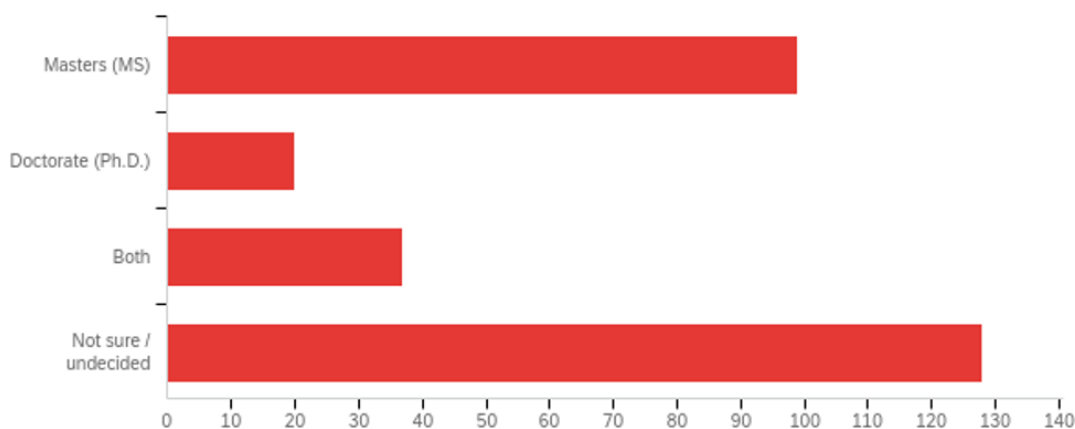
Q3 - What motivates your interest in pursuing graduate studies in aerospace engineering?





#	Answer	%	Count
1	Space exploration	21.58%	60
2	Aircraft design and development	28.78%	80
3	Career in aerospace industry	24.46%	68
4	Opportunities for research and innovation	12.95%	36
5	Seems cool	12.23%	34
	Total	100%	278

Q4 - 4. Are you interested in Masters or Doctorate program at FAMU-FSU COE?



#	Answer	%	Count
1	Masters (MS)	34.86%	99
2	Doctorate (Ph.D.)	7.04%	20
3	Both	13.03%	37
4	Not sure / undecided	45.07%	128
	Total	100%	284

**C. Complete Appendix A – Table 1 (1-A for undergraduate and 1-B for graduate) with projected student headcount (HC) and full-time equivalents (FTE).**

- Undergraduate FTE must be calculated based on 30 credit hours per year
- Graduate FTE must be calculated based on 24 credit hours per year

**In the space below, explain the enrollment projections. If students within the**

**institution are expected to change academic programs to enroll in the proposed program, describe the anticipated enrollment shifts and impact on enrollment in other programs.**

#### Year One

New students (PhD HC=6, FTE=6, MS HC=19, FTE=12) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. After full implementation and development of marketing strategies, the program anticipates growing the program each year until it reaches approximately 24 PhD students (FTE=18) and 65 masters students (FTE=51) by year five. These estimates are based on five year historical numbers at the University of Florida and the University of Central Florida. With additional marketing efforts, the program may expand enrollment in the out years.

#### Year Two

New students (PhD HC=9, FTE=9, MS HC=34, FTE=26) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

#### Year Three

New students (PhD HC=14, FTE=10, MS HC=48, FTE=37) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

#### Year Four

New students (PhD HC=20, FTE=16, MS HC=63, FTE=53) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

#### Year Five

New students (PhD HC=24, FTE=18, MS HC=65, FTE=51) for the doctoral and masters programs are anticipated from graduates of the FAMU-FSU College of Engineering or related undergraduate programs at FAMU and FSU. These students are largely distributed among: 1) Individuals who have recently graduated from preceding degree

programs at this university, 2) Individuals who graduated from preceding degree programs at other Florida public universities, and 3) Individuals who graduated from preceding degree programs at non-public Florida institutions.

**D. Describe the anticipated benefits of the proposed program to the university, local community, and the state. The benefits of the program should be described both quantitatively and qualitatively.**

Anticipated benefits of introducing a program in aerospace engineering are extensive, promising numerous advantages for FAMU, FSU, the Panhandle region, the State of Florida, and the nation. These encompass the following:

- Create avenues for recruiting students interested in pursuing Aerospace Engineering and establish an educational framework for them to obtain a graduate degree.
- Leverage significant investments from FAMU and FSU in start-up packages and infrastructure support for faculty researching emerging fields.
- Introduce a cost-effective STEM program.
- Enhance research visibility for the FAMU-FSU College of Engineering.
- Expand opportunities for FAMU and FSU to secure more substantial funding for aerospace research, especially interdisciplinary grants.
- Address the pressing educational need to produce more engineers in the U.S. and Florida, particularly in aerospace.

Contribute to research, economic development, and job creation in the Panhandle region and across the State.

- Enhance the Nation's technical capability by attracting researchers and supporting new product development.
- Assist in overcoming the underrepresentation of minorities in STEM, particularly in engineering. The FAMU-FSU College of Engineering has demonstrated progress in this area, ranking fourth nationally in producing PhDs for African Americans.

**E. If other public or private institutions in Florida have similar programs at the four- or six-digit CIP Code or in other CIP Codes where 60 percent of the coursework is comparable, identify the institution(s) and geographic location(s). Summarize the outcome(s) of communication with appropriate personnel (e.g., department chairs, program coordinators, deans) at those institutions regarding the potential impact on their enrollment and opportunities for possible collaboration in the areas of instruction and research.**

Two programs in the State of Florida have Aerospace Engineering graduate programs - the University of Florida and the University of Central Florida. The Chair, William S. Oates, has spoken to both department chairs at these universities to discuss potential impact and collaboration opportunities with these existing programs; see Appendix B.

- F. If the proposed program substantially duplicates a program at Florida Agricultural and Mechanical University (FAMU), a letter of support from FAMU must be provided. The letter must address whether the proposed program may adversely affect FAMU's ability to achieve or maintain student diversity in its existing program. The institution's Equal Opportunity Officer shall review this section of the proposal, sign, and date the additional signature page to indicate that all requirements of this section have been completed.**

There is currently no Aerospace Engineering program offered through the FAMU-FSU College of Engineering. FAMU offers undergraduate Architecture and Engineering Technology degrees; however, these programs are distinctly different from aerospace engineering.

#### **IV. Curriculum**

- A. Describe all admission standards and all graduation requirements for the program. Hyperlinks to institutional websites may be used to supplement the information provided in this subsection; however, these links may not serve as a standalone response. For graduation requirements, describe any additional requirements that do not appear in the program of study (e.g., milestones, academic engagement, publication requirements).**

#### **Master's Program**

Prospective students must have a BS degree (or a recognized equivalent) in Mechanical or Aerospace Engineering or any one of the following related fields: Any Engineering Major, Chemistry, Computer Science, Materials Science, Mathematics/Applied Mathematics, or Physics/Applied Physics. Non-majors, students without a BS degree in Mechanical Engineering, may be required to take up to twelve credit hours of remedial coursework in Mechanical Engineering as a condition of admission.

Applicants must have at least a 3.0 upper-division GPA and GRE General Exam scores or an approved GRE waiver. International students must take the TOEFL exam and score at least 550 on the paper-based exam, 213 on the computer-based exam, or 80 on the Internet-based exam. Other acceptable English Language Proficiency Exam scores are as follows: Pearson Test in English (50), Duolingo (120), Cambridge C1 Advanced Level (180), and Michigan Language Assessment (55). Applicants must also submit a personal/research statement, résumé, and three letters of recommendation. Please visit the department website for additional details: <https://eng.famu.fsu.edu/me>.

*Note:* Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this test, go to <https://ets.org/gre>.

#### **Ph.D. Program**

Prospective students must have an MS degree in Mechanical or Aerospace Engineering or any one of the following related fields: any Engineering Major, Chemistry, Computer Science, Materials Science, Mathematics/Applied Mathematics, or Physics/Applied Physics. Non-majors, students without a BS degree in Mechanical or Aerospace

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Engineering, may be required to take up to 12 credit hours of remedial coursework in Mechanical Engineering as a condition of admission.

Applicants must have at least a 3.0 upper-division GPA and GRE General Exam scores or an approved GRE waiver. International students must take the TOEFL Exam and score at least 550 on the paper-based exam, 213 on the computer-based exam, or 80 on the Internet-based exam. Other acceptable English Language Proficiency Exam scores are as follows: Pearson Test in English (50), Duolingo (120), Cambridge C1 Advanced Level (180), and Michigan Language Assessment (55). Applicants must also submit a personal statement, résumé, and three letters of recommendation. Please visit the department website for additional details: <https://eng.famu.fsu.edu/me>.

*Note:* Effective August 2011, the GRE Revised General Test replaced the GRE General Test. To learn more about this test, go to <https://ets.org/gre>.

### **BS to PhD Program**

In addition to the standard PhD program the department offers a direct BS to PhD program. This program is limited to students with excellent academic transcripts and demonstrated potential for advanced research. Applicants must submit strong letters of recommendation from professors or persons qualified to evaluate their academic potential. Admission to the program is finalized at the end of the second semester. During their first two semesters, students must maintain a minimum graduate GPA of 3.50. Final admission to the PhD program is granted by the Graduate Committee.

Students initially admitted to the master's program may request a transfer to the BS-PhD program at the end of their second semester. The student must have maintained a graduate GPA of 3.50 or better during their first two semesters.

**B. Describe the specific expected student learning outcomes associated with the proposed program and include strategies for assessing the proposed program's learning outcomes. If the proposed program is a baccalaureate degree, include a hyperlink to the published Academic Learning Compact and the document itself as Appendix C.**

#### Institutional Effectiveness (IE) for Aerospace Engineering – PhD

- Program Outcome (PO) Name: Time to Degree
  - PO Statement: Doctoral students will progress in the Aerospace Engineering program at adequate pace.
  - PO Assessment Plan: For this PO, we will track how many of our doctoral students progress from matriculation to graduation within five years, which is the expected program duration. To calculate the completion rate, we will take the number of students who earn their doctorate in a given academic year (defined as Summer, Fall, Spring) and divide it by the total number of students in the original cohort from five years ago (Summer, Fall, Spring). This

performance objective will be assessed by official FAMU-FSU College of Engineering enrollment and graduation statistics.

- PO Numeric Target: At least 80% of doctoral students in a cohort will graduate with their doctorate in Aerospace Engineering within 5 years from the matriculation year.
- Student Learning Outcome (SLO) Name: Oral Communication and Presentation Skills
  - SLO Statement: Upon completion of the course of instruction, the student will communicate effectively through oral and visual means.
  - SLO Assessment Plan: PhD committees are formed with a minimum of four members (chair, university representative, member in-area, member-out of area). The university representative is outside of the department. The student's adviser will gather completed rubrics, securely store them, and compile the scores for the annual assessment report. The 'Oral Communication and Presentation Skills' are evaluated based on whether: The dissertation defense was presented using a clear and logical structure, engaging delivery, appropriate voice, and effective visuals, and with evidence of prior rehearsal. The 'Oral Communication and Presentation Skills' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).
  - SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on the rubric criterion 'Oral Communication and Presentation Skills' from all committee members.
- Student Learning Outcome (SLO) Name: Research Skills
  - SLO Statement: Students will review literature, apply research methodologies, and analyze and interpret data and results.
  - SLO Assessment Plan: The 'Research Skills' are evaluated based on three criteria (each one is evaluated separately as a distinct criterion in the corresponding rubric). 'Literature Review' criterion: The student exhibits a thorough and comprehensive understanding of the research topic, providing a critical examination of relevant literature. 'Methodology' criterion: Thorough, clear, and well-justified, covering research design, data collection, and analysis comprehensively. 'Results and Discussion' criterion: Clear, accurate, and comprehensive, addressing the research question with appropriate data and analysis. Insightful, coherent, and well-structured interpretation of results. Addresses study's applications, limitations, and contributions. The three criteria falling under 'Research Skills' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).
  - SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on all three rubric criteria that fall under the

'Research Skills' umbrella (Literature review, methodology, and results and discussion) from all committee members.

### Institutional Effectiveness (IE) for Aerospace Engineering – MS

- Program Outcome (PO) Name: Time to Degree
  - PO Statement: Master's students will progress in the Aerospace Engineering program at adequate pace.
  - PO Assessment Plan: For this PO, we will track how many of our master's students progress from matriculation to graduation within two years, which is the expected program duration. To calculate the completion rate, we will take the number of students who earn their master's in a given academic year (defined as Summer, Fall, Spring) and divide it by the total number of students in the original cohort from two years ago (Summer, Fall, Spring). This performance objective will be assessed by official FAMU-FSU College of Engineering enrollment and graduation statistics.
  - PO Numeric Target: At least 80% of master's students in a cohort will graduate with their MS in Aerospace Engineering within 2 years from the matriculation year.
  
- Student Learning Outcome (SLO) Name: Oral Communication and Presentation Skills
  - SLO Statement: Upon completion of the course of instruction, the student will communicate effectively through oral and visual means.
  - SLO Assessment Plan: For non-thesis students, we will employ a rubric for their project presentation in EAS 5102. For thesis students, we will utilize the same rubric for their thesis defense.
    - *Non-Thesis Students:* The 'Oral Communication and Presentation Skills' are evaluated based on whether: Design project presentation in the required course (EAS 5102 Fundamentals of Aerodynamics) has a clear and logical structure, engaging delivery, appropriate voice and effective visuals, and evidence of rehearsal. The 'Oral Communication and Presentation Skills' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point). The course instructor will gather completed rubrics, securely store them, and compile the scores for the annual assessment report.
    - *Thesis Students:* MS (Master's) committees are formed with a minimum of three members (chair, member in-area, member-out of area). The student's adviser will gather completed rubrics, securely store them, and compile the scores for the annual assessment report. The 'Oral Communication and Presentation Skills' are evaluated based on whether: The thesis defense has a clear and logical structure, engaging delivery, appropriate voice and effective visuals, and evidence of rehearsal. The 'Oral Communication and Presentation Skills' are

evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).

- SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on the rubric criterion 'Oral Communication and Presentation Skills'.
- Student Learning Outcome (SLO) Name: Review of Applicable Theories and Literature
  - SLO Statement: Students will demonstrate broad knowledge of disciplinary fundamentals.
  - SLO Assessment Plan: For non-thesis students, we will employ a rubric for their project presentation in EAS 5102. For thesis students, we will utilize the same rubric for their thesis defense.
    - *Non-Thesis Students:* The 'Literature Review' are evaluated based on: A class (EAS 5102 Fundamentals of Aerodynamics) project to evaluate a student's understanding of essential concepts, theories, and foundational principles within the discipline. The 'Literature Review' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point). The course instructor will gather completed rubrics, securely store them, and compile the scores for the annual assessment report.
    - *Thesis Students:* MS (Master's) committees are formed with a minimum of three members (chair, member in-area, member-out of area). The student's adviser will gather completed rubrics, securely store them, and compile the scores for the annual assessment report. The 'Literature Review' are evaluated based on: The student exhibits a thorough and comprehensive understanding of the research topic, providing a critical examination of relevant literature. The 'Literature Review' are evaluated based on a 4-point scale: Exemplary (4 Points), Proficient (3 Points), Acceptable (2 Points), Deficient (1 Point).
  - SLO Numeric Target: At least 80% of students will achieve level of 'Exemplary' (4 points) or 'Proficient' (3 points) on the rubric criterion 'Literature Review'.

**C. If the proposed program is an AS-to-BS capstone, provide evidence that it adheres to the guidelines approved by the Articulation Coordinating Committee for such programs, as outlined in [State Board of Education Rule 6A-10.024](#). Additionally, list any prerequisites and identify the specific AS degrees that may transfer into the proposed program.**

☒ **Not applicable to this program because it is not an AS-to-BS Capstone.**

**D. Describe the curricular framework for the proposed program, including the following information where applicable:**

- total number of semester credit hours for the degree



- **number of credit hours for each course**
- **required courses, restricted electives, and unrestricted electives**
- **a sequenced course of study for all majors, concentrations, tracks, or areas of emphasis**

FAMU and FSU students will follow an identical curriculum. Throughout their Aerospace Engineering program, students will participate in the Interdisciplinary Seminar Series (0 credits). The curricular framework for MS and PhD programs is detailed below.

## **Master's Program**

### *I. Thesis Option*

Aerospace Engineering students must take the following minimum distribution of courses for a total of 30 credit hours:

#### **Core Courses**

##### **Nine credit hours:**

- EML 5060 Analysis in Mechanical Engineering, and
- Two core courses in the major area (either Dynamics and Controls, Fluid Mechanics and Heat Transfer, or Solid Mechanics and Materials Science)

##### **Core courses in Dynamics and Controls:**

- EGM 5444 Advanced Dynamics
- EML 5317 Advanced Design and Analysis of Control Systems
- EML 5361 Multivariable Control
- EML 5930r Special Topics in Mechanical Engineering

##### **Core courses in Fluid Mechanics and Heat Transfer:**

- EML 5152 Fundamentals of Heat Transfer
- EML 5155 Convective Heat and Mass Transfer
- EML 5709 Fluid Mechanics Principles with Selected Applications
- EML 5930r Special Topics in Mechanical Engineering

##### **Core courses in Solid Mechanics and Materials Science:**

- EGM 5611 Introduction to Continuum Mechanics
- EML 5930r Special Topics in Mechanical Engineering

#### **Aerospace Engineering Courses**

- Six credit hours: two courses in Aerospace Engineering.

#### **Electives**

##### **Nine credit hours:**

- Select three graduate-level courses in any engineering field, mathematics, or any

science discipline (computer science, physics, etc.).

- Courses must be selected in consultation with the student's major professor.
- One of the three electives may include EML 5905 Directed Individual Study or EML 5910 Supervised Research.

## **Thesis**

### **Six credit hours:**

- EML 5971 Thesis, and
- EML 8976 Master's Thesis Defense

## *II. Non-Thesis Option*

The non-thesis option requires 30 credit hours, of which at least 27 credit hours must be letter-graded courses. Students must complete 21 credit hours of coursework within aerospace or mechanical engineering. Nine credit hours may be taken outside the department in any of the following areas: engineering, mathematics, or any science discipline (computer science, physics, etc.).

## **Ph.D. Program**

The standard PhD program requires 48 credit hours of coursework, of which at least 24 credit hours must be dissertation hours. The remaining letter-graded credit hours are divided into three areas:

### **General Engineering and Mathematics**

Students must complete six credit hours of general engineering and advanced mathematics courses. One of those courses must be EML 5061 Analysis in Mechanical Engineering II. The remaining course must be from the approved course list. See the department website for the approval list.

### **Electives**

Students must complete 18 credit hours of graduate-level, letter-graded electives. Courses may be taken in any engineering program, mathematics, and/or any science discipline.

## **BS to PhD Program**

The BS-PhD program requires 60 credit hours of coursework, of which at least 24 credit hours must be dissertation hours. The remaining 36 letter-graded credit hours are divided into five areas:

### **General Engineering and Mathematics**

Students must complete 9 credit hours of general engineering and advanced mathematics courses at the 5000 or higher level. One of those courses must be EML 5061 Analysis in Mechanical Engineering II. The remaining course must be from the approved course list. See the department website for the approval list.

### **Core Courses**

Students must complete EML 5060 Analysis in Mechanical Engineering I and two courses

in their chosen depth area for 9 semester hours.

## **Aerospace Engineering Courses**

Students must complete 6 credit hours of general aerospace-engineering courses.

### **Electives**

Students must complete 12 credit hours of electives. Courses may be taken in any engineering program, mathematics, and/or any science discipline. Students may substitute one elective course with a Directed Individual Study (DIS) course or Supervised Research (SR) course.

## **Additional Requirements**

### **Preliminary Examination**

All PhD students must register for and pass EML 8968 (Preliminary Examination) before their fourth semester ends. The exam is designed to evaluate a student's grasp of a specified spectrum of Aerospace Engineering (at the undergraduate level) and their ability to think creatively. It consists of an oral examination following a written research proposal and is administered each term. After passing the exam, the student will be granted doctoral candidacy status, allowing them to register for dissertation credit hours.

### **Prospectus Defense**

Within one year of obtaining candidacy status each PhD student must present a prospectus to their committee on a research project suitable for a doctoral dissertation. A forty-five-minute presentation of the proposed dissertation topic will be presented to the students' graduate committee for approval.

### **Dissertation Defense**

Demonstrated ability to perform original research at the forefront of mechanical engineering is the final and major criterion for granting the doctoral degree. The candidate's dissertation serves, in part, to demonstrate such competence; on completion it is defended orally in a public seminar before the doctoral dissertation committee, which may then recommend the awarding of the degree.

## **E. Provide a brief description for each course in the proposed curriculum.**

Below is the brief description of courses for the proposed curriculum. The definition of the prefixes used are:

**EAS**—Aerospace Engineering

**EGM**—Engineering Science

**EGN**—Engineering: General

**EMA**—Materials Engineering

**EML**—Engineering: Mechanical

- **EAS 5102. Fundamentals of Aerodynamics (3).** Prerequisites: EML 3015C and EML 3016C. This course includes fundamental fluid mechanics and aerodynamic principles in the design of airfoil and aircraft wings. The course provides a comprehensive review concerning applications, technological advances, and social impacts on the development of a modern flight vehicle.
- **EGM 5330. Random Data Measurement and Analysis (3).** Prerequisite: Graduate standing or instructor permission. This course explores random data, mean values, mean-square values, probability density and distribution functions, moments and characteristic functions, spectral and correlation analysis; bias and random error estimates in data measurements; input-output system models; measurement examples.
- **EGM 5348. Introduction to Scientific and High-Performance Computing (4).** Prerequisites: an understanding of linear algebra and knowledge of a programming language (C, C++, FORTRAN) or a scripting language (MATLAB, Python). This course covers fundamental concepts for scientific computing such as numerical solution methods, error analysis, and parallelization methodologies. Students explore essential tools and environments for high-performance computing and consider effective use of computational resources.
- **EGM 5444. Advanced Dynamics (3).** Prerequisite: EGN 3321, EML 3220, and MAP 3306. In this course, topics include particle and rigid body kinematics, particle and rigid body kinetics, D'Alembert Principle, LaGrange's equations of motion, system stability, computational techniques, orbital dynamics, multi-body dynamics.
- **EGM 5611. Introduction to Continuum Mechanics (3).** Prerequisite: Graduate standing. Solid and fluid continua. Cartesian tensor theory. Kinematics of infinitesimal deformation, relations between stress, strain, and strain rate for elastic, plastic, and viscous solids and for compressible and viscous fluids. General equations of continuum mechanics, integral forms, and their physical interpretation. Particular forms of equations and boundary conditions for elastic and viscoelastic solids and Newtonian fluids.
- **EGM 5612. Solid Mechanics and Electromagnetics of Continuous Media (3).** Prerequisites: Familiarity with topics of strength of materials, concepts of stresses and strains, a basic understanding of thermodynamics and electromagnetics. This course introduces concepts of continuum thermo-mechanics and electromagnetics with application in solving field-coupled boundary value problems.
- **EGM 5810. Viscous Fluid Flows (3).** Prerequisite: EML 5709. Presents the basic fundamentals underlying the mechanics of gas, air, and fluid flows. Discussion of the possible methods of estimating and predicting the characteristics and parameters governing those flows.
- **EGM 6845. Turbulent Flows (3).** Prerequisite: EML 5709. In-depth study of turbulent, flows, statistical description of turbulence; instability and transition; turbulence closure modeling; free shear and boundary layer flows; complex shear flows; development of computational strategies; recent literature on applications and chaos phenomena.
- **EMA 5226. Mechanical Metallurgy (3).** Prerequisites: EML 3234. Tensile instability,

crystallography, theory of dislocations, plasticity, hardening mechanisms, creep and fracture, electron microscopy, composite materials.

- **EMA 5514. Electron Microscopy (3).** Prerequisite: Instructor permission. This course focuses on fundamentals and techniques of electron microscopy as applied to the determination of physical, chemical, and structural properties of materials and materials behavior in practice.
- **EMA 5814. Computational Material Physics (3).** This course covers numerical simulation techniques for predicting various physical properties of conventional materials, nanomaterials, and biomaterials. Students use computational material physics tools to understand, predict, and design new materials and guide experimental studies at the atomistic level.
- **EML 5042. Modeling and Simulation of Mechanical Systems (3).** Prerequisites: EML 3014C, EML 3018C, or instructor permission. This course is an introduction to various concepts of modeling and simulation of mechanical systems, including models of systems, numerical solutions of ODEs, software tools for modeling and simulation of complex mechanical systems.
- **EML 5045. Manufacturing Processes Control (3).** Prerequisites: EML 3234 and EML 3012C. Corequisites: EML 4312 or EML 5311. This course introduces essential knowledge in the control of manufacturing systems and processes.
- **EML 5060. Analysis in Mechanical Engineering (3).** Prerequisite: Graduate standing in mechanical engineering. Familiarizes the student with methods of analysis in mechanical engineering. Surveys applications of integration and series, ordinary and partial differential equations, and linear algebra.
- **EML 5061. Analysis in Mechanical Engineering II (3).** Prerequisite: EML 5060 or equivalent. This course familiarizes students with applications of vector calculus and partial differential equations in mechanical engineering.
- **EML 5072. Applied Superconductivity (3).** Prerequisites: EEL 3472; EML 3100; EML 3234; PHY 3101. Introduction to superconductivity for applications, fundamentals of the superconducting state, transport current and metallurgy of superconductors, Superconducting electrons and magnets, system engineering.
- **EML 5103. Advanced Engineering Thermodynamics (3).** Prerequisite: Graduate standing in mechanical engineering. This course in thermal fluids covers the axiomatic formulations of the first and second laws of thermodynamics; general thermodynamic relationships and properties of real substances; energy, exergy, and second-law analysis of energy-conversion processes; reactive systems and multiphase equilibrium; entropy generation minimization and thermodynamic optimization; as well as applications to low-temperature refrigeration and power-generation systems.
- **EML 5152. Fundamentals of Heat Transfer (3).** Prerequisite: Graduate standing in mechanical engineering. This is an introductory course in basic heat transfer concepts. Topics include conduction and heat diffusion equation, forced and free convection, radiative heat transfer, boiling heat transfer, and condensation.

- **EML 5155. Convective Heat and Mass Transfer (3).** Prerequisites: EGM 5810; EML 5152. Familiarizes the student with methods to evaluate a convection heat transfer coefficient and a mass transfer coefficient for a variety of engineering applications. Evaluation of the driving force in mass transfer and combined problems.
- **EML 5162. Cryogenics (3).** Prerequisites: EML 3015C, EML 3016, and EML 3234. Miscellaneous requirement: EML 4512 and PHY 3101 are recommended. This course focuses on the fundamental aspects of cryogenics system and engineering properties of materials and fluids at low temperatures; cryogenic heat transfer and fluid dynamics, low temperature refrigeration and system engineering.
- **EML 5224. Acoustics (3).** Prerequisites: EML 3015C, EML 3016C. Corequisite: EML 5710. This course provides an introduction to physical acoustics with an emphasis on a thermal-fluids perspective.
- **EML 5289. Vehicle Design (3).** Prerequisites: EML 3014C and EML 3018C, or instructor permission. This is an introductory course in vehicle design concentrating primarily on vehicle dynamics. Students examine the key features of vehicle design that relate to performance: suspension, steering, chassis, and tires. By using the latest in industry standard software, students consider the various design parameters influencing vehicle performance and handling.
- **EML 5311. Design and Analysis of Control Systems (3).** Prerequisite: MAP 3306. Mathematical modeling of continuous physical systems. Frequency and time domain analysis and design of control systems. State variable representations of physical systems.
- **EML 5317. Advanced Design and Analysis of Control Systems (3).** Design of advanced control systems (using time and frequency domains) will be emphasized. Implementation of control systems using continuous (operational amplifier) or digital (microprocessor) techniques will be addressed and practiced.
- **EML 5361. Multivariable Control (3).** Prerequisite: EML 4312 or 5311. Course covers H<sub>2</sub> and H<sub>∞</sub> control design for linear systems with multiple inputs and multiple outputs and globally optimal techniques, fixed-structure (e.g., reduced-order) techniques. Includes introductory concepts in robust control.
- **EML 5422. Fundamentals of Propulsions Systems (3).** Prerequisite: EML 3015C, EML 3016C, and graduate standing in mechanical engineering. This course offers an analysis of the performance of propulsion systems using fundamental principles of thermodynamics, heat transfer, and fluid mechanics. Systems studied include turbojet, turbofan, ramjet engines, as well as piston-type internal combustion engines.
- **EML 5451. Energy Conversion Systems for Sustainability (3).** Prerequisites: Requires graduate standing. This course discusses the challenge of making the global energy system independent of finite fossil-energy sources and, instead, dependent on environmentally sustainable energy sources. The course emphasizes strategies for producing energy that is free of greenhouse-gas emissions, including renewable energy sources such as solar, wind, and biomass. The course focuses on direct energy conversion and covers topics such as photovoltaic cells, fuel cells, and thermoelectric systems.

- **EML 5453. Sustainable Power Generation (3).** Prerequisites: EML 4450 or EML 5451 or graduate student standing in engineering or sciences. This course is a continuation of sustainability energy-conversion systems and focuses on solar electricity, biopower, biofuels, and hydrogen. The course also discusses the practicality of hydrogen-based transportation.
- **EML 5525. Design and Modeling for Manufacturing Processes (3).** Prerequisites: EML 3012C and EML 3018C. This course covers descriptive and analytical treatment of manufacturing processes and production equipment, automation, as well as applications of mechanics stress analysis, vibrations, heat transfer. The course includes discrete time simulation.
- **EML 5537. Design Using FEM (3).** The Finite Element Method - what it is, elementary FEM theory, structures and elements, trusses, beams, and frames, two-dimensional solids, three-dimensional solids, axisymmetric solids, thin-walled structures, static and dynamic problems, available hardware and software, basic steps in FEM analysis, pre/post processing, interpretation of results, advanced modeling techniques, design optimization, advanced materials using FEM.
- **EML 5543. Materials Selection in Design (3).** Prerequisite: EML 3234 or equivalent. This course examines the application of materials predicated on material science and engineering case studies covering most engineering applications.
- **EML 5705. Active Flow Control (3).** Prerequisites: EML 3014C (or an equivalent undergraduate controls course) and EML 5709. This course covers active flow control. Active flow control is a rapidly emerging field of significant technological importance to the design and capability of a new generation of fluid systems, spawning major research initiatives in government industry, and academic sectors.
- **EML 5709. Fluid Mechanic Principles with Selected Applications (3).** Prerequisites: Graduate standing in mechanical engineering, EML 3015, and EML 5060 (or other course equivalents). This course explores introductory concepts, description, and kinematical concepts of fluid motion, basic field equations, thermodynamics of fluid flow, Navier-Stokes equations, elements of the effects of friction and heat flow, unsteady one-dimensional motion, selected nonlinear steady flows.
- **EML 5710. Introduction to Gas Dynamics (3).** Prerequisite EML 3016C. This course concentrates on the unique features of compressibility in fluid mechanics. It provides the student with knowledge and understanding of the fundamentals of compressible fluid flow and is basic to studies in high-speed aerodynamics, propulsion, and turbomachinery.
- **EML 5725. Introduction to Computational Fluid Dynamics (3).** Prerequisite: EML 5709. Topics for this course include introduction to conservation laws in fluid dynamics; weak solutions; solving the full potential equations for subsonic, transonic, and supersonic flows; solving system of equations. In particular, upwind schemes and flux splitting will be introduced in solving the Euler equations. Coordinate transformation and grid generation methods will also be covered.
- **EML 5802. Introduction to Robotics (3).** Prerequisite: Graduate standing in

mechanical engineering. This course studies the fundamentals of robot operation and application including basic elements, robot actuators and servo-control, sensors, senses, vision, voice, microprocessor system design and computers, kinematic equations, and motion trajectories.

- **EML 5803. Mechatronics II (3).** This course focuses on developing greater competence in the application of electromechanical components to solve engineering problems and build 'smart' systems. The course focuses on the design interplay between electrical and mechanical systems. Students use microprocessors, circuits, sensors, and actuators in both labs and projects to develop multi-purpose electromechanical devices. The course provides instruction and practical exercises in programming, electronics, signal conditioning, communication protocols, mechanical design, prototyping techniques, and system integration.
- **EML 5831. Introduction to Mobile Robotics (2).** Prerequisite: EML 3811 and EML 3811L or instructor permission. Corequisite: EML 5831L. This course examines kinematic modeling and simulation of mobile robots; mobile robot sensors; fundamental methods of computer vision; Kalman filtering and mobile robot localization; SLAM; path, trajectory planning, and obstacle avoidance; intelligent control architectures; and advanced topics in localization, mapping, and motion planning.
- **EML 5831L. Mobile Robotics Lab (1)** Prerequisite: EML 3811 and EML 3811L or instructor permission. Corequisite: EML 5831. This course offers a hands-on implementation of core and advanced mobile robotics algorithms. In addition, it introduces widely used mobile robotics software packages.
- **EML 5832. Bio/Robotic Locomotion (3).** Prerequisite: Permission of Instructor. This course introduces the fundamental concepts for biological and robotic locomotion with limbs. Muscular-skeletal biomechanics for vertebrate and invertebrate animals are briefly reviewed including an overview of the function of muscles. Morphology, gaits, posture, and the effect of scale on legged locomotion are discussed. The history of legged robots is reviewed. Reduced-order dynamic models of walking and running are introduced. Techniques for analyzing the stability of these periodic hybrid-dynamic systems are covered. The course includes the development and analysis of simulation and hardware platforms of locomotion systems.
- **EML 5930 : Introduction to Bayesian Uncertainty Analysis for Engineers:** This course will introduce students to Bayesian uncertainty analysis in engineering problems. It will compare Bayesian statistics to frequentist statistics. A tutorial based lecture series will be utilized to provide students with hands-on experience computing uncertainty of models in light of data. Matlab code will be provided.
- **EGM 5653 - Theory of Elasticity:** *Prerequisite: EGM 5611.* This is an introductory course which provides background necessary to mechanical engineers who wish to pursue the area of theoretical or analytical solid mechanics. Topics include Cartesian tensors, kinetics and kinematics of motion, constitutive equations, linearized theory of elasticity, and solutions to boundary value problems.
- **EML 5930 Introduction to Hypersonic Flows:** This course is a technical elective course designed for graduate level engineering students in the Aeronautics Track and



area of thermal and fluid sciences. The course includes fundamental of hypersonic aerodynamics and aerothermodynamics. It provides a comprehensive review concerning applications, technological advances, and social impacts on the development of a modern hypersonic flight vehicle. The course provides an overview of the guiding principles, compressible flow simulations and experimental observations to understand hypersonic flows.

- **EML 5905r. Directed Individual Study (1–9).** (S/U grade only). Instructor permission required. Individual study topics are determined by the instructor and student. May be repeated to a maximum of forty-five semester hours.
- **EML 5910r. Supervised Research (1–5).** (S/U grade only). A maximum of three semester hours may apply to the master's degree. May be repeated to a maximum of five semester hours.
- **EML 5930r. Special Topics in Mechanical Engineering (1–6).** Prerequisite: Instructor permission. This course explores various topics in mechanical engineering with emphasis on recent developments. Content and credit will vary. Consult the instructor.
- **EML 5935r. Mechanical Engineering Seminars (0).** (S/U grade only). May be repeated to a maximum of ten times.
- **EML 5946. Professional Internship Experience in Mechanical Engineering (4).** This course provides practical experience through working as an intern at selected industry or research laboratories supervised by the on-the-job mentors and by the Department of Mechanical Engineering. The course is designed to provide the student with professional internship experience in preparation for his/her future career development.
- **EML 5955r. MS Professional Traineeship Project (3–6).** Prerequisite: B.S. degree in Mechanical Engineering (or a related field) and EML 5946. In this two-semester course, students work on practice-oriented engineering design or research development project defined by industry or research laboratories to partially fulfill graduation requirements for the BS-MS professional Traineeship degree.
- **EML 5971r. Master's Thesis Research (1-12.)** (S/U grade only). This course provides a means of registering for thesis research work and recording progress towards its completion. Student must consult with the academic department for appropriate registration of course credit hours. May be repeated to a maximum of forty-five (45) credit hours; repeatable within the same term.
- **EML 6365. Robust Control (3).** Prerequisite: EML 5361. Course covers control design for systems with uncertain dynamics; robust H design, structured singular value synthesis; LMI and Riccati equation solution techniques.
- **EML 6980r. Dissertation (2–9).** (S/U grade only). May be repeated to a maximum of ninety-nine semester hours.
- **EML 8968. Preliminary Doctoral Examination (0).** (P/F grade only.)

- **EML 8976r. Master's Thesis Defense (0).** (P/F grade only.)
- **EML 8985r. Dissertation Defense (0).** (P/F grade only.) May be repeated to a maximum of three times.

The following is a list of new courses that will be developed over the first five years of the program. This list complements existing Mechanical Engineering courses to include additional topics important to aerospace engineering such as rotary wing systems, space applications, structural dynamics, and control.

- **Rotary Wing Aerodynamics:** This course covers vortex wake modeling, analytical inflow theories. Modern computational methods for rotary wing aerodynamic analysis. Aerodynamic Noise.
- **Structural Dynamics:** This course includes modeling of discrete systems; review of linear system theory, mathematical modeling of single-degree-of-freedom (SDOF) systems, viscous damping; structural damping; coulomb damping, Laplace transforms; Harmonic balance; Fourier series; Fourier integral; convolution integral; Duhamel's integral; work, energy, and Lagrange's equations, matrix eigenvalue problems; nature of modes; response of multi-degree-of-freedom systems by modal decoupling; rigid-body modes; stability; Hamilton's principle and calculus of variations, extension and torsion of rods; bending vibration of Euler-Bernoulli beams; bending-shear vibration of Timoshenko beams; beams with axial force, rotating beams; membranes and plates
- **Orbital Mechanics:** First graduate-level astrodynamics class that includes two-body orbital mechanics, orbit determination, orbit prediction, orbital maneuvers, lunar and interplanetary trajectories, orbital rendezvous and space navigation.
- **Planetary Entry, Descent and Landing:** This is a graduate-level elective that provides an integrated overview of planetary entry systems. The course content includes vehicle systems and definition, entry flight mechanics and dynamics, aerothermodynamics and thermal protection systems, aerodynamic decelerators and landing systems, and case studies based on recent robotic and human exploration mission concepts.
- **Introduction to System of Systems Engineering Principles:** This course covers methods related to the study, development, analysis, and design of complex systems and systems of systems. Lectures will cover each method by introducing its theoretical formulation, application criteria, and some example applications. The goal of the course is not to provide comprehensive coverage of each method, but to provide sufficient fundamental coverage of it to allow for the practical use of the methods on the group project.
- **Aerospace Nonlinear Control:** This course covers topics including Dynamical Systems and Differential Equations, Nonlinear Second-Order Dynamical Systems, Stability Theory for Nonlinear Dynamical Systems, Dissipative Theory for Nonlinear Dynamical Systems, Absolute Stability Theory, Input-Output Stability, Nonlinear Control.
- **Fundamentals of Fracture Mechanics:** This course is an advanced study of failure of structural materials under load, mechanics of fracture, and microscopic and macroscopic aspects of the fracture of engineering materials.

- **Composite Materials:** This course is an initial exposure to composite materials. It focuses on how heterogeneity/anisotropy in composites influence thermomechanical behavior. The behavior of both continuous and short fiber reinforced composites will be emphasized. Stress analysis for design, manufacturing processes and test methods of composite materials will be covered.
- F. For degree programs in medicine, nursing, and/or allied health sciences, identify the courses with the competencies necessary to meet the requirements in [Section 1004.08, Florida Statutes](#). For teacher preparation programs, identify the courses with the competencies required in [Section 1004.04, Florida Statutes](#).**
- ☒ **Not applicable to this program because the program is not a medicine, nursing, allied health sciences, or teacher preparation program.**
- G. Describe any potential impact on related academic programs or departments, such as an increased need for general education or common prerequisite courses or an increased need for required or elective courses outside of the proposed academic program. If the proposed program is a collaborative effort between multiple academic departments, colleges, or schools within the institution, provide letters of support or MOUs from each department, college, or school in Appendix D.**

As a graduate program, general education courses will be minimal; however, a strong mathematical background is required to understand fluid dynamics, nonlinear solid mechanics, and computational materials science. The Department of Mechanical Engineering has a long track record of working with several faculty within FSU's Mathematics Department. This has continued up to the present day through Mechanical Engineering seminars from faculty within the Math Department and meetings between faculty from Mechanical Engineering and Mathematics to build research partnerships. In certain instances, graduate students will take mathematics courses to supplement AE courses. This may be required to build a deeper understanding of numerical methods, interpret data with advanced statistics, machine learning algorithm development, and various other techniques to solve partial differential equations. We will continue to build these relationships to strengthen AE research via faculty collaborations and better educate our students with important mathematics courses.

- H. Identify any established or planned educational sites where the program will be offered or administered. Provide a rationale if the proposed program will only be offered or administered at a site(s) other than the main campus.**

This program will be offered as part of the FAMU-FSU College of Engineering in Tallahassee Florida. Students will take classes on the FAMU main campus, in the FAMU-FSU College of Engineering, and on the FSU main campus. Students will do their research where their advisor has their research labs on the FAMU main campus, in buildings in the FAMU-FSU College of Engineering, and in research buildings in Innovation Park (in Tallahassee).

- I. Describe the anticipated mode of delivery for the proposed program (e.g., face-to-face, distance learning, hybrid). If the method(s) of delivery will require specialized services or additional financial support, describe the projected**

**costs below and discuss how they are reflected in Appendix A – Table 3A or 3B.**

The courses will be delivered in the traditional face-to-face manner at the FAMU-FSU College of Engineering, FAMU main campus, or on the FSU campus as part of the cooperative agreement between the two universities.

**J. Provide a narrative addressing the feasibility of delivering the proposed program through collaboration with other institutions, both public and private. Cite any specific queries of other institutions concerning shared courses, distance/distributed learning technologies, and joint-use facilities for research or internships.**

The Ph.D. in Aerospace Engineering will be offered jointly between FAMU and FSU as part of the joint College. No more institutions will be involved in the course offerings now. Given the recent Triumph award in additive manufacturing and aerospace to the FSU Panama City Campus, expansions to include research at this facility will be considered once the infrastructure is developed.

**K. Describe any currently available sites for internship and/or practicum experiences. Describe any plans to seek additional sites in Years 1 through 5.**

☒ **Not applicable to this program because the program does not require internships or practicums.**

## **V. Program Quality Indicators - Reviews and Accreditation**

**A. List all accreditation agencies and learned societies concerned with the proposed program. If the institution intends to seek specialized accreditation for the proposed program, as described in [Board of Governors Regulation 3.006](#), provide a timeline for seeking specialized accreditation. If specialized accreditation will not be sought, please explain.**

The Aerospace Engineering undergraduate programs hold accreditation from ABET, the accrediting body for engineering programs. Notably, the FAMU-FSU College of Engineering lacks an undergraduate program in Aerospace Engineering. Additionally, it is important to note that there are no specific accreditation agencies for graduate programs (both M.S. and Ph.D.) in Aerospace Engineering.

**B. Identify all internal or external academic program reviews and/or accreditation visits for any degree programs related to the proposed program at the institution, including but not limited to programs within the academic unit(s) associated with the proposed degree program. List all recommendations from the reviews and summarize the institution's progress in implementing those recommendations.**

The FAMU-FSU Department of Mechanical Engineering underwent a Program Self-Study (Quality Enhancement Review—QER) in February of 2019. Key outcomes of the review and recommendations related to the graduate program are highlighted here. We also summarize progress since this review in implementing the QER recommendations. One overall goal that was included in the QER was to establish a nationally recognized graduate program with active recruitment strategies and excellent professional

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preparation. Two of the objectives and strategies to achieve this goal included: 1) Develop an online degree program in Aeronautical Engineering through an asynchronous distance learning delivery system and 2) Establish new degree programs (MS and PhD) in the area of aerospace engineering. We have developed a distance learning aerospace certification program and now are aimed at establishing the AE graduate degree programs.

A broader assessment of the 2019 QER is given through three of the department's primary goals:

1. Establish a nationally recognized graduate program with active recruitment strategies and excellent professional preparation.
2. Expand our internationally-recognized research programs, especially in terms of interdisciplinary research collaborations and professional development.
3. Be recognized as one of the top ME programs in terms of educational innovations, outstanding research activities, and promotion of diversity.

With respect to aerospace engineering, we have made significant strides in all three of these goals.

Regarding item 1, we have developed active recruiting strategies that include Research Experiences for Undergraduates supported by the National Science Foundation (NSF) and the Department of Energy (DOE). This has led to two female SMART Fellows within our department. One of these students was the first FAMU SMART Fellow within our department. We have also begun actively recruiting US students at major conferences such as the AIAA SciTech conference which is the largest aerospace conference in the US. Our College of Engineering has provided financial support for these recruiting efforts. The department has also supported travel for FAMU faculty and students to attend the Black Engineer of the Year (BEYA) STEM Conference which includes ~12,000 attendees with 45% of these attendees being college students. Faculty within the ME Department have also been more active on social media (i.e., LinkedIn) to highlight student achievements and research opportunities for graduate and undergraduate students. With respect to professional development, one key highlight is the Mechanical Engineering Graduate Student Association (MEGSA) which is an officially Recognized Student Organization (RSO) that gives graduate students excellent leadership experience by organizing seminars and participating in K-12 outreach programs. The Department Chair also created a podcast, Mechanically Incorrect, that highlights faculty research achievements and failures along the way toward success in academia. This has been done as one way for students to learn more about our faculty members' journeys in engineering.

In support of items 2 and 3, we have expanded research activities in the field of hypersonics that include cooperative agreements with Wright Patterson and Eglin Air Force Research Laboratories (AFRL/RW, RQ), invested in wind tunnel experimental facilities to reach Mach 5 in the Poly-Sonic Wind Tunnel (PSWT) (support from both FAMU and FSU), hired four faculty (assistant & associate level) working in the fields of hypersonics, advanced fluid flow diagnostic tools, extreme materials, and robotics (female hire). The junior faculty working on extreme materials is a joint hire between ME and IME (Industrial and Manufacturing Engineering). Our department is also actively recruiting

faculty affiliated with the new FSU Quantum Information and Science initiative to expand our computational and experimental research activities, which aligns with FSU research goals. Faculty hiring has aligned well with recommendations in our QER, which included: hypersonic flows, quantum computing, and robotics/autonomous control.

Our department was also awarded the first AFOSR Center of Excellence, AEROMORPH, to FSU to study next-generation high-speed morphing vehicles using intelligent structures. Regarding interdisciplinary research, these research activities have included computations, experimental methods, controls, information theory, energy systems, and materials science. AEROMORPH and the cooperative agreements with AFRL also include major efforts towards workforce development of students working in our, and Air Force, laboratories. Other workforce development activities have included NASA minority programs and Department of Energy materials research for hydrogen storage. In addition, the Mechanical Engineering graduate seminar has been expanded to include professional development speakers who discuss a variety of topics such as industry/academic/government laboratory professions, navigating graduate school, and leadership.

Whereas we have achieved several of the goals stated in the 2019 QER, there were also weaknesses and threats pointed out. Key weaknesses and *opportunities to overcome these weaknesses* through the creation of an aerospace degree program are given as follows:

- Specific research programs are fragile due to a lack of a critical mass of faculty or the departure of core faculty members (e.g., robotics). *We propose to increase the number of faculty members within our department by 6-10 to support aerospace graduate research and education. These faculty members may also support mechanical engineering and thus stabilize the critical mass of core mechanical and aerospace engineering faculty members.*
- Faculty lines are not always owned by the College of Engineering (e.g., Maglab lines, Materials & Energy cluster hiring), so it may be difficult to replace lost faculty. *It is expected that faculty lines associated with aerospace engineering would reside within the College of Engineering and Department of Mechanical Engineering. A subset of these lines may be joint hires within departments that have interest in this research field such as Mathematics, Materials Science & Engineering, Industrial & Manufacturing Engineering, and Electrical & Computer Engineering. This should provide stability to replace faculty.*
- Difficult to sustain collective core value for internal coherence to develop long-term strategic focus. *The addition of aerospace engineering will create a new strategic focus that will align with the overall strategic direction of mechanical engineering since aerospace engineering overlaps core areas of need within our department including controls, dynamical structures, and advanced materials.*
- Large class sizes due to an inadequate number of faculty. *Additional aerospace faculty will be able to teach many mechanical engineering undergraduate courses. Class size reduction has already been implemented in 2023 upon hiring four new mechanical and aerospace engineering faculty, and this model will continue with additional aerospace engineering faculty.*
- Inadequate representation of women faculty and inadequate representation of

minority and women students. *Mechanical Engineering recently hired one female roboticist, Dr. Taylor Higgins, and will continue to be committed to recruit and mentor female faculty through proper advertising of opportunities within this new program.*

- Inadequate recruitment of FAMU students, especially FAMU scholars. *This will be the first aerospace engineering graduate program at an HBCU which should provide excellent opportunities to attract top FAMU students and scholars.*
- C. For appropriate degree programs, discuss how employer-driven or industry-driven competencies were identified and incorporated into the curriculum. Additionally, indicate whether an industry or employer advisory council exists to provide input for curriculum development, student assessment, and academic-force alignment. If an advisory council is not already in place, describe any plans to develop one or other plans to ensure academic-workforce alignment.**

An advisory council currently exists for the Department of Mechanical Engineering which includes several aerospace industry engineers and Air Force Research Laboratory research scientists. Given the strong overlap of this advisory council, they will assist in providing input to our curriculum and other graduate student support such as internships and scholarships.

## **VI. Faculty Participation**

- A. Use Appendix A – Table 2 to identify existing and anticipated full-time faculty who will participate in the proposed program through Year 5, excluding visiting or adjunct faculty. Include the following information for each faculty member or position in Appendix A – Table 2:**

- the faculty code associated with the source of funding for the position
- faculty member's name
- the highest degree held
- academic discipline or specialization
- anticipated participation start date in the proposed program
- contract status (e.g., tenure, tenure-earning, or multi-year annual [MYA])
- contract length in months
- percent of annual effort that will support the proposed program (e.g., instruction, advising, supervising)

**This information should be summarized below in narrative form. Additionally, provide the curriculum vitae (CV) for each identified faculty member in Appendix E.**

The source of funding for all faculty within this program is associated with the Mechanical Engineering Budget 218000110 budget. Faculty members involved in the program are listed below along with details describing their background and amount of participation. All existing faculty members will start supporting the program in year 1 and they are projected to continue supporting the program in year 5.

Alexandre Berger has a PhD in Aerospace Engineering. He specializes in experimental fluid dynamics at both low and high (hypersonic) speeds. He is a tenure-earning faculty

member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 4% for the first year and 13% for the fifth year.

Brandon Krick has a PhD in Mechanical Engineering. He specializes in experimental mechanics and tribology. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Carl Moore has a PhD in Mechanical Engineering. He specializes in dynamics and haptic systems. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 10% for the fifth year.

Chiang Shih has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 8% for the first year and is anticipated to retire by the fifth year.

Christian Hubicki has a PhD in Mechanical Engineering. He specializes in robotics and optimal control. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

David Larbalestier has a PhD in Physical Metallurgy. He specializes in experimental characterization of superconducting materials. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and is anticipated to retire by the fifth year.

Eric Hellstrom has a PhD in Materials Science & Engineering. He specializes in experimental characterization of ceramics and superconductors. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and is anticipated to retire by the fifth year.

Farrukh Alvi has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 5% for the fifth year since he is on a reduced teaching load while working in the FSU Provost office.

Fumitake Kametani has a PhD in Materials Science & Engineering. He specializes in characterization and microscopy of advanced materials. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 5% for the fifth year.

Huixuan Wu has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics and instrumentation development. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 18% for the fifth year.



Jizhe Cai has a PhD in Aerospace Engineering. He specializes in experimental characterization of extreme materials. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 15% for the first year and 40% for the fifth year.

Juan Ordonez has a PhD in Mechanical Engineering. He specializes in modeling of advanced energy systems for naval and aerospace applications. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Kourosh Shoele has a PhD in Mechanical Engineering. He specializes in modeling of fluid-structure interactions. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Mohd Ali has a PhD in Mechanical Engineering. He specializes in experimental fluid dynamics. He is a teaching faculty member on a twelve-month appointment. His percentage of annual effort that will support the aerospace graduate program is 10% for the first year and 18% for the fifth year.

Neda Yaghoobian has a PhD in Mechanical Engineering. She specializes in modeling of fluid dynamic, atmospheric behavior, and fire dynamics. She is a tenured faculty member on a nine-month appointment. Her percentage of annual effort that will support the aerospace graduate program is 10% for the first year and 40% for the fifth year.

Rajan Kumar has a PhD in Aerospace Engineering. He specializes in experimental characterization of fluid dynamics. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 10% for the first year and 20% for the fifth year.

Unnikrishnan Sasidharan Nair has a PhD in Mechanical Engineering. He specializes in modeling of high speed fluids. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 15% for the fifth year.

Wei Guo has a PhD in Physics. He specializes in characterizing quantum turbulence and quantum computing hardware. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 5% for the first year and 12% for the fifth year.

William Oates has a PhD in Mechanical Engineering. He specializes in modeling and experimental characterization of smart materials and adaptive structures. He is a tenured faculty member on a nine-month appointment. His percentage of annual effort that will support the aerospace graduate program is 15% for the first year and 20% for the fifth year. The larger percentage listed here is in anticipation of administrative duties as Department Chair.

Additional faculty members are proposed to be hired over the five-year build-up period. This includes 2 faculty on existing lines that are unfilled. One of these is expected to be at the Assistant Professor level in the field of aerospace structures. This person must

have a PhD in aerospace, mechanical engineering or closely related field. They are expected to be hired into Mechanical Engineering in the fall of 2024 (as part of an ongoing search) and start in the fall of 2025 in the Aerospace Engineering graduate program. His/her percent effort will increase from 20% in year one to 30% in year 5. The second position is expected to be at the Associate Professor level. This person will also have a PhD in aerospace or mechanical engineering or a closely related field. This person is expected to start within the program in the fall of 2025. This existing line is associated with the departure of Prof. Lou Cattafesta from the Mechanical Engineering department in 2023. He/she is expected to commit 30% of their time to this program. Nine additional new faculty lines are proposed (4 tenure-earning Assistant Professors, 2 Associate Professors and 3 Research Faculty). These faculty members are also expected to have PhDs in aerospace or mechanical engineering or a closely related field. They are all expected to contribute 30% of their time to the program by year 5. The hiring will be distributed over years 1-5. In 2026, we plan to hire one Associate Professor and one Assistant Professor. In 2027, we expect to hire 2 Assistant Professors and 1 Research Faculty. In 2028, we expect to hire 2 Research Faculty.

**B. Provide specific evidence demonstrating that the academic unit(s) associated with the proposed program has been productive in teaching, research, and service. Such evidence may include trends over time for average course load, FTE productivity, student HC in major or service courses, degrees granted, external funding attracted, and other qualitative indicators of excellence (e.g., thesis, dissertation, or research supervision).**

All faculty members engaged in this program are active in teaching, research, and service. The most active researchers have on the order of \$1.2M-\$1.3M research expenditures per year while the average annual research expenditure is on the order of \$350,000. This includes basic research through Department of Defense programs (e.g., ARO, AFOSR, ONR, DARPA), the National Science Foundation (NSF), and the Department of Energy (DOE). One of our Assistant Professors, Prof. Unni Nair, received the ONR Young Faculty Award in 2023 which is a highly prestigious young faculty grant. He will be expanding research in computational fluid dynamics of high speed flows. Five other faculty within this cohort have been awarded the NSF CAREER and two have been awarded the DARPA Young Faculty Award (YFA). With respect to teaching, all tenured and tenure-track faculty teach a nominal 3 courses per year (2+1 or 1+2) excluding new faculty. We provide junior faculty with a reduced course load (1+1) so that they can spend more time building their research program, recruiting students, and learning new pedagogical methods. Other exclusions to this teaching load are applied to faculty members with high research activity or high service load (e.g., department chair, center director). However, some faculty continue to teach despite large service and research loads. For example, Prof. Rajan Kumar created a new course on hypersonic flows which was co-taught with Prof. Unni Nair in the spring of 2023. Prof. Kumar is the Director of FCAAP and also had over \$1M of research expenditures last year. Teaching instructors are expected to be on 12 month contracts and teach a full load of 3+3+2 courses. Exclusions to this rule are considered for courses that contain additional experimental laboratory elements or recitations. Additionally, the Mechanical Engineering Department created an online Aerospace Engineering Certificate through FSU which included the creation of seven new online courses that are currently offered asynchronously. Additionally, four of the seven new courses are Quality Matters (QM) certified. These

teaching activities are in addition to normal Mechanical Engineering course offerings. All faculty are required to participate in a variety of service activities including contributions to department, college, and university committees and contributions to the broader community which may include research communities and/or K-12 programs.

## **VII. Estimate of Investment**

**A. Use Appendix A – Table 3A or 3B to provide projected costs and associated funding sources for Year 1 and Year 5 of program operation. In narrative form, describe all projected costs and funding sources for the proposed program(s). Data for Year 1 and Year 5 should reflect snapshots in time rather than cumulative costs.**

The base reallocation (E&G) for Year 1 is \$237,825 of faculty salaries and benefits. Additional programmatic expenses are \$10,000 for graduate student recruitment. The base reallocation (E&G) in Year 1 also includes \$10,000 for 0.3 FTE A&P or OPS for support staff plus \$50,000 OPS funds for assistantships and fellowships to help attract high-quality graduate students whose salary is primarily supported by C&G. The total E&G reallocated in Year 1 is \$307,825. The estimated amount of C&G in Year 1 is \$456,871. This estimate is based on five-year research expenditure averages of the faculty involved in the program times their percent effort to the new program. The C&G is assumed to be distributed across faculty summer salaries, student stipends, materials, and travel expenses.

In Year 5, the Continuing Base (E&G) includes \$588,375 in faculty salaries and benefits, \$15,000 for student recruiting events and other programmatic expenses, \$50,000 in A&P/OPS staff support, and \$50,000 OPS funds for assistantships and fellowships. The C&G in Year 5 is estimated to be \$1,158,849 based on estimated research grants and contracts of new faculty members.

**B. See Appendix A for details. Use Appendix A – Table 4 to show how existing Education & General (E&G) funds will be reallocated to support the proposed program in Year 1. Describe each funding source identified in Appendix A – Table 4, and justify below the reallocation of resources. Describe the impact the reallocation of financial resources will have on existing programs, including any possible financial impact of a shift in faculty effort, reallocation of instructional resources, greater use of adjunct faculty and teaching assistants, and explain what steps will be taken to mitigate such impacts.**

The Mechanical Engineering Budget 218000110 includes \$3,534,076 base before reallocation. The amount to be reallocated is \$307,825. A negligible impact on the Mechanical Engineering Department is anticipated given the shared mission of engineering research and education between mechanical and aerospace engineering. Furthermore, aerospace engineering research and education are well aligned with other programs at the College of Engineering including Industrial and Manufacturing Engineering, Electrical and Computer Engineering, and Materials Science and Engineering. We expect the alignment of aerospace engineering with existing engineering programs to minimize any unforeseen impacts on resource allocation.

**C. If the institution intends to operate the program as self-supporting, market**

tuition rate, or establish a differentiated graduate-level tuition, as described in [Board of Governors Regulation 8.002](#), provide a rationale and a timeline for seeking Board of Governors' approval.

☒ Not applicable to this program because the program will not operate as self-supporting, market tuition rate, or establish a differentiated graduate-level tuition.

D. Provide the expected resident and non-resident tuition rate for the proposed program for both resident and non-resident students. The tuition rates should be reported per credit hour unless the institution has received approval for a different tuition structure. If the proposed program will operate as a continuing education program per [Board of Governors Regulation 8.002](#), describe how the tuition amount was calculated and how it is reflected in Appendix A – Table 3B.

Registration and tuition fees are established by the Board of Education and the FSU and FAMU Board of trustees as required by the Florida Legislature. The program will apply the graduate tuition fees as outlined in the following schedule. The fees are subject to change without notice.

	In-State	Out-of-State
FSU*	\$479.32	\$1,110.72
FAMU**	\$405.67	\$1,022

\*Per credit hour does not include the Student Facilities Use Fee assessed to Main Campus Students at the rate of \$20 per semester.

\*\*Per credit hour does not include a required fees of \$70 for fall and spring semesters each and \$33 for summer semester.

E. Describe external financial and in-kind resources available to support the proposed program and explain how this amount is reflected in Appendix A – Table 3A or 3B.

## VIII. Self-Supporting and Market Tuition Rate Programs

**Note: Skip this section if the proposed program will not operate as a self-supporting or market tuition rate program.**

### Proposed Program Type

☐ Market Tuition Rate Program

☐ Online

☐ Continuing Education

☐ Self-Supporting Program

☒ N/A

A. Provide supporting documentation in a separate attachment that serves as evidence that the new program will not supplant any existing similar or equivalent E&G degree offering. Describe the evidence in narrative form below. **Note that Board Regulation 8.002 considers a program similar if it is offered under the same CIP code as one funded under the E&G budget entity.**

The Department Chair, William Oates, contacted chairs in Florida who have aerospace graduate programs. This includes programs at the University of Florida and the University of Central Florida. Both chairs have given their support to starting a program at the FAMU-FSU College of Engineering. Email correspondences are included in Appendix B describing the details of these discussions.

In terms of the potential impact on the FAMU-FSU Department of Mechanical Engineering, there will be some level of impact on this department since there is a subset of graduate students within ME who conduct aerospace engineering research. However, the overall number of graduate students in aerospace and mechanical engineering is expected to grow by offering the additional choice of either a graduate degree in mechanical or aerospace engineering. This is primarily due to a broader range of course offerings and research opportunities in both mechanical and aerospace engineering.

**B. If the proposed self-supporting or market tuition rate program will be a track under an existing E&G program or has a similar existing E&G program, provide a side-by-side tuition and fee comparison in the table below. Provide a link to the university's website that provides students with information about financial assistance and obligations for repayment of loans for these programs.**

☒ **Not applicable because the program will not be a track under an existing E&G program or is not similar to an existing E&G program.**

Tuition and Fee Comparison	
E&G Track or Program	Proposed Program

**C. Explain whether the program leads to initial licensing or certification in occupational areas identified as a state critical workforce need. If so, which licenses and certifications will graduates receive upon completion, and explain why implementing the program as self-supporting or market tuition rate is the best strategy to increase the number of graduates in the state.**

***Note: Questions D – M pertain only to market tuition rate programs. If the proposed program will be self-supporting, skip to Section IX.***

**D. Explain the process used to determine the proposed market tuition rate and provide the tuition of similar programs offered by other SUS institutions and private institutions as appropriate so that the tuition of at least five similar programs is provided. If the proposed tuition rates differ for resident and non-resident students, explain why.**

- E. Explain how offering the proposed program at a market tuition rate is aligned with the university's mission. If the program qualifies as a Program of Strategic Emphasis, provide additional justification for charging higher tuition for the proposed program.**
- F. Provide a declaratory statement that offering the proposed program at the market tuition rate does not increase the state's fiscal liability or obligation.**
- G. Explain any proposed restrictions, limitations, or conditions to be placed on the program.**
- H. Explain how the university will ensure sufficient courses are available to meet student demand and facilitate program completion.**
- I. If applicable, provide a baseline of current enrollments, including a breakout of resident and non-resident enrollment in similar courses funded by the E&G budget entity.**
- J. Describe any outcome measures that will be used to determine the program's success.**
- K. List the campuses and/or sites at which the proposed program will be offered. If the program is only offered online, indicate that, and provide the location from which the program will be managed.**
- L. Provide an estimate of the total and net annual revenue the university anticipates collecting for Years 1 and 5 if the proposal is approved. This information should be consistent with the data provided in Appendix A – Table 3B, which is required as a part of this proposal.**
- M. Describe how revenues will be spent, including whether private vendors will be utilized and for what purpose. Additionally, identify all budget entities used for the program.**

#### **IX. Non-Faculty Resources**

- A. Describe library resources currently available to implement and/or sustain the proposed program through Year 5 below, including but not limited to the following:**
  - **the total number of volumes and serials available in the discipline and related disciplines**
  - **all major journals that are available to the university's students****The Library Director must sign the additional signatures page to indicate they have reviewed Sections IX.A. and IX.B.**

The following library resources through FAMU are available to support aerospace engineering:

#### **Electronic Databases**

The databases contain full-text articles, abstracts, conference proceedings, book chapters, newsletters, online journals, e-book collections, and other research content in the fields of science, engineering, and technology.

1. Abstracts in New Technology and Engineering
2. Access Engineering
3. ACM Digital Library
4. ACS Journals
5. Applied Science & Technology Source
6. Ceramic Abstracts
7. Civil Engineering Abstracts (ProQuest)
8. Compendex
9. Computing (Advanced Technologies and Aerospace Database)
10. Engineering Collection
11. Engineered Materials Abstracts (ProQuest)
12. Engineering Village
13. Environmental Engineering Abstracts
14. IEEE Xplore
15. Inspec
16. IOP Electronic Journals
17. Mary Ann Liebertpub
18. Materials Business Files
19. Materials Research Database
20. Mechanical & Transportation Engineering Abstracts
21. Mechanical Engineering Abstracts
22. ProQuest Engineering Research Database
23. ScienceDirect
24. SpringerLink
25. Solid State & Superconductivity Abstracts
26. Sustainability Science Abstracts

### **Online Journals (Accessible Directly from the Online Catalog)**

Additional journals and journal articles related to aerospace engineering are available in the online databases, which are also accessible from online. The list below is limited to the titles that are accessible directly from the online catalog. The full list of journals, that are accessible through the databases, is significantly more extensive.

1. *International Journal of Aerospace Engineering* (2007-). Hindawi Publishing Corporation.
2. *Journal of Aerospace Engineering* (1988). American Society of Civil Engineers. Aerospace Division.
3. *Advances in Aerospace Engineering* (2014). Hindawi Publishing Corporation.
4. *Transport and Aerospace Engineering* (2014).
5. *Aircraft Engineering and Aerospace Technology* (1986).
6. *Proceedings of the Institution of Mechanical Engineers*. Part G, Journal of Aerospace Engineering (1989-). Institution of Mechanical Engineers.
7. *Journal of the Institution of Engineers. Series C. Mechanical, Production, Aerospace and Marine Engineering* (2012). Institution of Engineers.
8. *IEEE transactions on Aerospace and Electronic Systems* (1965). IEEE Aerospace and Electronic Systems Society.

9. *SAE International Journal of Aerospace* (2009). Society of Automotive Engineers.
10. *International Journal of Aviation, Aeronautics, and Aerospace* (2014-). Embry-Riddle Aeronautical University.
11. *IEEE Aerospace and Electronic Systems Magazine* (1988). IEEE Aerospace and Electronic Systems Society.
12. *Mathematics in Engineering, Science and Aerospace: MESA* (2010-).
13. *Astrodynamics* (2017-).
14. *International Journal of Micro Air Vehicles* (2009-).
15. *International Journal of Aerospace Innovations* (2009-2013).
16. *International Journal of Aeronautical and Space Sciences*.
17. *Journal of KONBIN* (2006).
18. *Aviation* (2003).
19. *Aerospace* (2014).
20. *Annals of Solid and Structural Mechanics* (2010-)
21. *The International Journal of Aerospace Psychology* (2017-). Taylor and Francis: Association for Aviation Psychology.
22. *Visualization in Engineering* (2013). Curtin University.
23. *SAE International Journal of Passenger Cars* (2009-). Society of Automotive Engineers.
24. *SAE International Journal of Alternative Powertrains* (2012-2019). Society of Automotive Engineers.
25. *International Journal of Engine Research*. Society of Automotive Engineers (2000). Society of Automotive Engineers.
26. *International Journal of Heat and Fluid Flow* (1979-). Institution of Mechanical Engineers.
27. *SAE International Journal of Materials and Manufacturing* (2009). Society of Automotive Engineers.
28. *Stapp Car Crash Journal* (2000-). Stapp Car Crash Conference. SAE International Society. Society of Automotive Engineers.
29. *SAE International Journal of Fuels and Lubricants* (2009-). Society of Automotive Engineers.
30. *SAE International Journal of Commercial Vehicles* (2009-). Society of Automotive Engineers.
31. *SAE International Journal of Passenger Cars. Electronic and Electrical Systems* (2009-). Society of Automotive Engineers.
32. *SAE International Journal of Engines* (2009-). Society of Automotive Engineers.
33. *Applied Adhesion Science* (2013-). Brazilian Society of Adhesion and Adhesives.
34. *The Journal of Air Law and Commerce* (1939-). Southern Methodist University, School of Law. Northwestern University, School of Law. Northwestern University, School of Business. Northwestern University, Transportation Center.

### **Books (Electronic Books)**

The books listed below are a sample of the books and conference proceedings that are available directly from the online catalog. There are over 1,100 books listed in the catalog that are related to aerospace engineering. The books listed below are some of the most recent publications, between the years of 2020 to 2024. Additional books and book chapters are available from the online databases.



1. [Post-Processing Techniques for Additive Manufacturing](#)  
Alam, Zafar, editor.; Iqbal, Faiz, editor.; Ahmad Khan, Dilshad, editor. 2024
2. [Energy-efficient electrical systems for buildings](#)  
Karti, Moncef, author. 2024
3. [Aircraft performance : an engineering approach](#)  
Sadraey, Mohammad H., author. 2024
4. [Human factors in simulation and training : application and practice](#)  
Vincenzi, Dennis A., editor. 2024
5. [Advanced Materials Processing and Manufacturing : Research, Technology, and Applications](#)  
Bolokang, Amogelang Sylvester, author.; Mathabathe, Maria Ntsoaki, author. 2024
6. [Automation in Construction Toward Resilience : Robotics, Smart Materials and Intelligent Systems](#)  
Farsangi, Ehsan Noroozinejad, editor. 2024
7. [Navigating the Complexity Across the Peace-Sustainability-Climate Security Nexus](#)  
Amadei, Bernard, 1954- author. 2024
8. [Human factors in simulation and training : theory and methods](#)  
Vincenzi, Dennis A., editor. 2024
9. [Laser-based technologies for sustainable manufacturing](#)  
Kumar, Avinash, Dr., editor.; Ashwani Kumar, editor.; Kumar, Abhishek, editor. 2024
10. [Composite Materials : High Strain Rate Studies](#)  
Velmurugan, R. (Professor of aerospace engineering), editor.; Ruan, Dong, editor.; Gurusideswar, S. (Professor of aerospace engineering), editor. 2024
11. [Data Driven Methods for Civil Structural Health Monitoring and Resilience : Latest Developments and Applications](#)  
Noori, Mohammad, author. 2024
12. [Post-Processing Techniques for Additive Manufacturing](#)  
Alam, Zafar, editor.; Iqbal, Faiz, editor.; Ahmad Khan, Dilshad, editor. 2024
13. [Energy-efficient electrical systems for buildings](#)  
Karti, Moncef, author. 2024
14. [Aircraft performance : an engineering approach](#)  
Sadraey, Mohammad H., author. 2024
15. [Human factors in simulation and training : application and practice](#)  
Vincenzi, Dennis A., editor. 2024

## Books

1. Advanced Materials Processing and Manufacturing: Research, Technology, and Applications Bolokang, Amogelang Sylvester, author.; Mathabathe, Maria Ntsoaki, author.2024.
2. Automation in Construction Toward Resilience : Robotics, Smart Materials and Intelligent Systems, Farsangi, Ehsan Noroozinejad, editor. 2024
3. Navigating the Complexity Across the Peace-Sustainability-Climate Security Nexus Amadei, Bernard, 1954- author. 2024
4. Human factors in simulation and training: theory and methods Vincenzi, Dennis A., editor. 2024
5. Laser-based technologies for sustainable manufacturing Kumar, Avinash, Dr., editor.;

Ashwani Kumar, editor.; Kumar, Abhishek, editor. 2024

6. Composite Materials : High Strain Rate Studies Velmurugan, R. (Professor of aerospace engineering), editor.; Ruan, Dong, editor.; Gurusideswar, S. (Professor of aerospace engineering), editor. 2024
7. Data Driven Methods for Civil Structural Health Monitoring and Resilience : Latest Developments and Applications Noori, Mohammad, author. 2024
8. Applications of unsaturated polyester resins : synthesis, modifications, and preparation methods, Thomas, Sabu, editor.; Chirayil, Cintil Jose, editor. 2023
9. Applications of multifunctional nanomaterials Thomas, Sabu, editor.; Kalarikkal, Nandakumar, editor.; Abraham, Ann Rose, editor. 2023
10. Elastic wave propagation in structures and materials Gopalakrishnan, S. (Srinivasan), author. 2023
11. Radar and radionavigation : pre-professional training for aviation radio specialists Kozlov, Anatoly Ivanovich, author.; Shatrakov, Yuri Grigoryevich, author.; Zatuchny, Dmitry Alexandrovich, author. 2023
12. Synthetic and Natural Nanofillers in Polymer Composites : Properties and Applications Nurazzi, N. M., editor. 2023
13. Sheet Metal 2023., Hagenah, H. 2023
14. Basic fracture mechanics and its applications Saxena, A. (Ashok), author. 2023
15. Reliability engineering : a life cycle approach Bradley, Edgar, author. 2023
16. Nanomaterials for sustainable tribology Raina, Ankush, editor. 2023
17. Space situational awareness : guiding the transition to a civil capability : hearing before the Subcommittee on Space and Aeronautics of the Committee on Science, Space and Technology, of the House of Representatives, One Hundred Seventeenth Congress, second session, May 12, 2022. United States. Congress. House. Committee on Science, Space, and Technology (2011- ). Subcommittee on Space and Aeronautics, author. 2023
18. Engineering dynamics : fundamentals and applications Islam, M. Rashad, author.; Ahmed, Mahbub (Engineer), author.; Mazumder, A K M Monayem H, author. 2023
19. Design and analysis of functionally graded adhesively bonded joints of FRP composites Panigrahi, Sashi Kanta, author.; Nimje, Sunil V., author. 2023
20. Advanced manufacturing processes Singh, Yashvir, editor. 2023
21. Advances in combustion technology Mishra, Debi Prasad (Professor of aerospace engineering), editor. 2023
22. Fundamentals of thermal spraying S, Ariharan, editor. 2023
23. Additive manufacturing with medical applications Kumar Banga, Harish, editor. 2023
24. Ratio of momentum diffusivity to thermal diffusivity : introduction, meta-analysis, and scrutinization Animasaun, Isaac Lare, author. 2023
25. Rapid cure composites : materials, processing and manufacturing Hameed, Nishar, editor. 2023
26. Smart coatings : fundamentals, developments, and applications Kathavate, Vaibhav

Sanjay, author.; Deshpande, Pravin Pralhad, author. 2023

27. Materials for lightweight constructions Kumaran, S. Thirumalai, editor. 2023
28. Creep : fatigue models of composites and nanocomposites Razdolsky, Leo, author. 2023
29. Advances in structural adhesive bonding Dillard, David A., editor. 2023
30. Metaversed : see beyond the hype Martins, Luis Bravo, author.; Wolfe, Samantha G, author. 2023
31. Reliability and physics-of-healthy in mechatronics Delaux, David, editor.; El Hami, Abdelkhalak, editor.; Grzesowiak, Henri, editor. 2023
32. Polymer crystallization : methods, characterization, and applications Parameswaranpillai, Jyotishkumar, editor. 2023
33. Carbon nanotubes : functionalization and potential applications Abraham, Ann Rose, editor.; George, Soney C., editor.; Haghi, A. K., editor. 2023
34. Advanced Control of Flight Vehicle Maneuver and Operation. Liu, Chuang.; Dai, Honghua.; Yue, Xiaokui. 2023
35. Space missions of global importance : planetary defense, space weather protection, and space situational awareness : hearing before the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, second session, February 12, 2020. United States. Congress. Senate. Committee on Commerce, Science, and Transportation, author. 2023
36. Aerospace and associated technology : proceedings of the joint conference of ICTACEM 2021, APCATS 2021, AJSAE 2021 and AeSI 2021 Ghosh, Anup, editor. 2023
37. Autonomous Trajectory Planning and Guidance Control for Launch Vehicles Song, Zhengyu. editor.; Zhao, Dangjun. editor.; Theil, Stephan. editor. 2023
38. Design for Electromagnetic Compatibility--In a Nutshell Theory and Practice Keller, Reto B. author. 2023
39. Building the space workforce of the future : STEM engagement for a 21st century education : hearing before the Subcommittee on Aviation and Space of the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, first session, November 5, 2019. United States. Congress. Senate. Committee on Commerce, Science, and Transportation. Subcommittee on Aviation and Space, author. 2023
40. Polymer composite systems in pipeline repair : design, manufacture, application, and environmental impacts Mavinkere Rangappa, Sanjay, editor. 2023
41. Flexible Automation and Intelligent Manufacturing: The Human-Data-Technology Nexus Proceedings of FAIM 2022, June 19–23, 2022, Detroit, Michigan, USA Kim, Kyoung-Yun; Kim, Kyoung-Yun. editor.; Monplaisir, Leslie. editor.; Rickli, Jeremy. editor. 2023
42. Computational methods for nonlinear dynamical systems : theory and applications in aerospace engineering Wang, Xuechuan, 1956- author. 2023
43. 10th Manufacturing Engineering Society International Conference (MESIC 2023).

Morales-Palma, Domingo.; Martínez-Donaire, Andrés J.; Borrego Puche, Marcos.; Centeno Báez, Gabriel.; Vallellano, Carpofo. 2023

44. High-reliability autonomous management systems for spacecraft Zhang, Jianjun, 1942- author.; Li, Jing, author. 2023
45. Essentials of mechanical stress analysis Javidinejad, Amir, author. 2023
46. Applications of unsaturated polyester resins : synthesis, modifications, and preparation methods Thomas, Sabu, editor.; Chirayil, Cintil Jose, editor. 2023
47. Applications of multifunctional nanomaterials Thomas, Sabu, editor.; Kalarikkal, Nandakumar, editor.; Abraham, Ann Rose, editor. 2023
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71. Carbon nanotubes : functionalization and potential applications Abraham, Ann Rose, editor.; George, Soney C., editor.; Haghi, A. K., editor. 2023
72. Advanced Control of Flight Vehicle Maneuver and Operation. Liu, Chuang.; Dai, Honghua.; Yue, Xiaokui. 2023
73. Space missions of global importance : planetary defense, space weather protection, and space situational awareness : hearing before the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, second session, February 12, 2020. United States. Congress. Senate. Committee on Commerce, Science, and Transportation, author. 2023
74. Aerospace and associated technology : proceedings of the joint conference of ICTACEM 2021, APCATS 2021, AJSAE 2021 and AeSI 2021 Ghosh, Anup, editor. 2023
75. Autonomous Trajectory Planning and Guidance Control for Launch Vehicles Song, Zhengyu. editor.; Zhao, Dangjun. editor.; Theil, Stephan. editor. 2023
76. Design for Electromagnetic Compatibility--In a Nutshell Theory and Practice Keller, Reto B. author. 2023
77. Building the space workforce of the future : STEM engagement for a 21st century education : hearing before the Subcommittee on Aviation and Space of the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, first session, November 5, 2019. United States. Congress. Senate. Committee on Commerce, Science, and Transportation. Subcommittee on Aviation and Space, author. 2023
78. Polymer composite systems in pipeline repair : design, manufacture, application, and environmental impacts Mavinkere Rangappa, Sanjay, editor. 2023
79. Flexible Automation and Intelligent Manufacturing: The Human-Data-Technology Nexus Proceedings of FAIM 2022, June 19–23, 2022, Detroit, Michigan, USA Kim, Kyoung-Yun; Kim, Kyoung-Yun. editor.; Monplaisir, Leslie. editor.; Rickli, Jeremy. editor. 2023
80. Computational methods for nonlinear dynamical systems : theory and applications in aerospace engineering Wang, Xuechuan, 1956- author. 2023
81. 10th Manufacturing Engineering Society International Conference (MESIC 2023). Morales-Palma, Domingo.; Martínez-Donaire, Andrés J.; Borrego Puche, Marcos.; Centeno Báez, Gabriel.; Vallellano, Carpofo. 2023

82. High-reliability autonomous management systems for spacecraft Zhang, Jianjun, 1942- author.; Li, Jing, author. 2023
83. Essentials of mechanical stress analysis Javidinejad, Amir, author. 2023
84. Advanced composites in aerospace engineering applications Mazlan, Norkhairunnisa, editor; Sapuan, S. M., editor.; Ilyas, R. A. editor. 2022
85. Polymeric nanocomposites with carbonaceous nanofillers for aerospace applications Kausar, Ayesha, Author. 2022
86. Computational fluid dynamics in aerospace engineering: recent advances Sekar, Manigandan, author.; Webb, Phil, author.; Sohret, Yasin, author. 2022
87. Trends in development of accelerated testing for automotive and aerospace engineering Klyatis, Lev M., author. 2020.

The following library resources through FSU are available to support aerospace engineering as of January 2024:

### **Databases**

This is a selection of databases that contain research materials, including articles, conference proceedings, data sets, and more, related to the field of aerospace engineering and the wider field of engineering accessible through FSU Libraries.

1. AccessEngineering
2. ACM Digital Library
3. Aerospace Research Central or American Institute of Aeronautics and Astronautics (AIAA)
4. American Society of Civil Engineers (ASCE) Civil Engineering Database
5. American Society of Civil Engineers (ASCE) Journals
6. Applied Science & Technology Source
7. ASM Alloy Phase Diagram Database
8. ASTM Compass
9. BCC Research
10. Compendex (Engineering Village)
11. Derwent Innovations Index
12. Electronics & Communications Abstracts
13. Emerald Library E-Journals (Emerald Insight)
14. Engineering Village
15. Environmental Engineering Abstracts
16. Environmental Impact Statements: Digests
17. IEEE Xplore
18. INSPEC (Engineering Village)
19. INSPEC Archive (Engineering Village)
20. Journal of Visualized Experiments (JOVE)
21. Materials Business File
22. Materials Science & Engineering Database
23. Mechanical & Transportation Engineering Abstracts
24. METADEX
25. OSTI.GOV
26. PubMed (NLM)

27. Science (AAAS)
28. SciFinder-n
29. SciTech Premium Collection (ProQuest)
30. Scopus
31. Solid State and Superconductivity Abstracts
32. Tallahassee-Leon County Geographic Information Systems
33. TerraFly
34. Textile Technology Complete
35. Thieme MedOne Education (E-Books)
36. Toxicology Abstracts
37. TOXLINE
38. U.S. Department of the Interior Bureau of Land Management General Land Office Documents
39. UCentral
40. Virology and AIDS Abstracts

## Serials

FSU has **246** current and historical aerospace related scholarly journals accessible through the library catalog. Additional research articles and information can be found through the previously listed databases.

1. *Advances in Aerospace Engineering* (2014) Hindawi Publishing Corporation.
2. *Aerospace* (2014) MDPI AG.
3. *Aerospace America* (1984) American Institute of Aeronautics and Astronautics.
4. *Aerospace power journal* (1999) AU Press.
5. *Aerospace science and technology* (1997) Gauthier-Villars.
6. *AIAA journal* (1963) American Institute of Aeronautics and Astronautics.
7. *Air and space lawyer* (1984) Forum Committee on Air and Space Law, American Bar Association.
8. *Air & space power journal* (2002) AU Press.
9. *Air power history* (2021) Air Force Historical Foundation.
10. *Aircraft engineering* (1986) Bunhill Publications.
11. *Aircraft engineering and aerospace technology* (1986) Emerald Group Pub.
12. *Airpower journal* (1987) AU Press.
13. *Annals of air and space law* (1976) Institute of Air and Space Law.
14. *Archives of environmental health* (2004) Heldref Publications.
15. *Armed forces and society* (1974) Transaction Publishers.
16. *Astrodynamics* (2017) Tsinghua University Press.
17. *Aviation* (2003) Taylor & Francis.
18. *Aviation space and environmental medicine* (2014) Aerospace Medical Association.
19. *CEAS space journal* (2011) Springer.
20. *Extreme life, biospeology & astrobiology* (2009) Bioflux Pub. House.
21. *Human performance in extreme environments* (1996) Society for Human Performance in Extreme Environments.
22. *IEEE transactions on aerospace and electronic systems* (1965) Institute of Electrical and Electronics Engineers.
23. *IEEE aerospace and electronic systems magazine* (1988) Institute of Electrical and Electronics Engineers.
24. *IEEE Transactions on Software Engineering* (n.d.) Institute of Electrical and

Electronics Engineers.

25. *International journal of aeronautical and space sciences* (n.d.) Korean Society for Aeronautical and Space Sciences.
26. *International journal of aerospace engineering* (2007) Hindawi Pub. Corp.
27. *International journal of aerospace innovations* (2009) Multi-Science Pub. Co Ltd.
28. *International journal of aviation, aeronautics, and aerospace* (2014) Embry-Riddle Aeronautical University.
29. *International journal of aviation psychology* (1991) Lawrence Erlbaum Associates.
30. *International journal of micro air vehicles* (2009) SAGE Publications.

## Books

FSU has **871** books under the Library of Congress subject heading “aerospace engineering” and **2596** books in the wider field of aerospace studies. These volumes include books in our physical collection and books we have digital access to. Here is a selection of some of the recently published books in our collection.

1. Aswal, D. K., Sarkar, P. S., & Kashyap, Y. S. (2022). *Neutron Imaging: Basics, Techniques and Applications*. Springer Singapore. <https://doi.org/10.1007/978-981-16-6273-7>
2. Bennett, S. A. (2021). *Safety in Aviation and Astronautics: A Socio-technical Approach* (1st edition). Routledge. <https://doi.org/10.4324/9781003111283>
3. Cakaj, S. (2022). *Ground Station Design and Analysis for LEO Satellites: Analytical, Experimental and Simulation Approach* (1st ed.). John Wiley & Sons, Inc. <https://doi.org/10.1002/9781119899280>
4. Cao, H. (2023). *Dual-Mass Linear Vibration Silicon-Based MEMS Gyroscope*. Springer Nature Singapore. <https://doi.org/10.1007/978-981-19-9247-6>
5. Catalina Popescu. (2022). *Filling the Center, Fighting the Power Void: Choosing Trajan as a Successor*. SAGE Publications: SAGE Business Cases Originals. <https://doi.org/10.4135/9781529772227>
6. Di Rito, G. (2023). *Electro-Mechanical Actuators for Safety-Critical Aerospace Applications*. MDPI - Multidisciplinary Digital Publishing Institute. <https://doi.org/10.3390/books978-3-0365-7932-0>
7. Dolgikh, G. I. (2022). *Sea Level Fluctuations*. MDPI - Multidisciplinary Digital Publishing Institute.
8. Doro-on, A. M. (2022). *Handbook of Systems Engineering and Risk Management in Control Systems, Communication, Space Technology, Missile, Security and Defense Operations* (1st ed.). Taylor & Francis. <https://doi.org/10.4324/9780429272233>
9. Furey, H. (2021). *Beyond the Code: A Philosophical Guide to Engineering Ethics*. Routledge. <https://doi.org/10.4324/9781315643816>
10. Graham, A., & Halpern, N. (2021). *Airport Marketing* (Second edition.). Taylor & Francis. <https://doi.org/10.4324/9780203117903>
11. Gynnild, A. (2022). *Droner i sivilsamfunnet: Aktører, teknologi og etiske utfordringer*. Cappelen Damm Akademisk/NOASP Nordic Open Access Scholarly Publishing. <https://doi.org/10.23865/noasp.161>
12. Jameson, A. (2022). *Computational Aerodynamics* (1st ed., Vol. 49). University Press. <https://doi.org/10.1017/9781108943345>
13. Keller, R. B. (2023a). *Design for Electromagnetic Compatibility—In a Nutshell Theory and Practice* (1st ed. 2023.). Springer Nature. <https://doi.org/10.1007/978-3-031-14186-7>



14. Keller, R. B. (2023b). *Design for Electromagnetic Compatibility--In a Nutshell: Theory and Practice* (1st Edition 2023). Springer International Publishing. <https://doi.org/10.1007/978-3-031-14186-7>
15. Koskinen, H. E. J., & Kilpua, E. K. J. (2022). *Physics of Earth's Radiation Belts: Theory and Observations* (1st Edition 2022). Springer International Publishing. <https://doi.org/10.1007/978-3-030-82167-8>
16. Liu, S., Li, L., Tang, J., Wu, S., & Gaudiot, J.-L. (2020). *Creating Autonomous Vehicle Systems* (1st ed., Vol. 9). Springer International Publishing. <https://doi.org/10.1007/978-3-031-01805-3>
17. McElroy Jr, M. W. (2022). *The Space Industry of the Future: Capitalism and Sustainability in Outer Space* (1st ed.). Routledge. <https://doi.org/10.4324/9781003268734>
18. Refait, P. (2022). *Corrosion and Protection of Steels in Marine Environments: State-of-the-Art and Emerging Research Trends*. MDPI - Multidisciplinary Digital Publishing Institute.
19. Salmi, M. (2022). *Design and Applications of Additive Manufacturing and 3D Printing*. MDPI - Multidisciplinary Digital Publishing Institute.
20. Schuurman, M. (2023). *Air Safety Investigation: The Journey*. TU Delft Open. <https://doi.org/10.5074/t.2023.004>
21. Song, Z., Zhao, D., & Theil, S. (2023a). *Autonomous Trajectory Planning and Guidance Control for Launch Vehicles* (1st ed. 2023.). Springer Nature Singapore. <https://doi.org/10.1007/978-981-99-0613-0>
22. Song, Z., Zhao, D., & Theil, S. (2023b). *Autonomous Trajectory Planning and Guidance Control for Launch Vehicles* (1st Edition 2023). Springer Nature Singapore. <https://doi.org/10.1007/978-981-99-0613-0>
23. Stoica, L., Riches, S., & Johnston, C. (2016). *High Temperature Electronics Design for Aero Engine Controls and Health Monitoring* (1st ed.). River Publishers. <https://doi.org/10.1201/9781003338420>
24. United States Congress House Committee on Science, S. (2022). *Examining R&D pathways to sustainable aviation: Hearing before the Subcommittee on Space and Aeronautics of the Committee on Science, Space, and Technology, House of Representatives, One Hundred Seventeenth Congress, first session, March 24, 2021*. U.S. Government Publishing Office.
25. United States Congress Senate Committee on Commerce, S. (2023). *Building the space workforce of the future: STEM engagement for a 21st century education : hearing before the Subcommittee on Aviation and Space of the Committee on Commerce, Science, and Transportation, United States Senate, One Hundred Sixteenth Congress, first session, November 5, 2019*. U.S. Government Publishing Office.
26. van Loon, J. J. A., & Beysens, D. A. (2015). *Generation and Applications of Extra-Terrestrial Environments on Earth* (1st ed.). Routledge. <https://doi.org/10.1201/9781003338277>
27. Weiß, S. (2022). *Contributions to on-board navigation on 1U CubeSats* (Vol. 11). Universitätsverlag der Technischen Universität Berlin. <https://doi.org/10.14279/depositonce-12416>
28. Wen, C.-Y., Jiang, Y., & Shi, L. (2023). *Space–Time Conservation Element and Solution Element Method: Advances and Applications in Engineering Sciences* (1st Edition 2023, Vol. 13). Springer Nature Singapore. <https://doi.org/10.1007/978-981-99-0876-9>
29. Wiedemann, M. (2024a). *System Lightweight Design for Aviation* (1st ed. 2024.).

Springer Nature Switzerland. <https://doi.org/10.1007/978-3-031-44165-3>  
 30. Wiedemann, M. (2024b). *System Lightweight Design for Aviation*. Springer Nature Switzerland. <https://doi.org/10.1007/978-3-031-44165-3>

**B. Discuss any additional library resources needed to implement and/or sustain the program through Year 5. Describe how those costs are reflected in Appendix A – Table 3A or 3B.**

☒ **Not applicable to this program because no additional library resources are needed to implement or sustain the proposed program.**

**C. Describe any specialized equipment and space currently available to implement and/or sustain the proposed program through Year 5.**

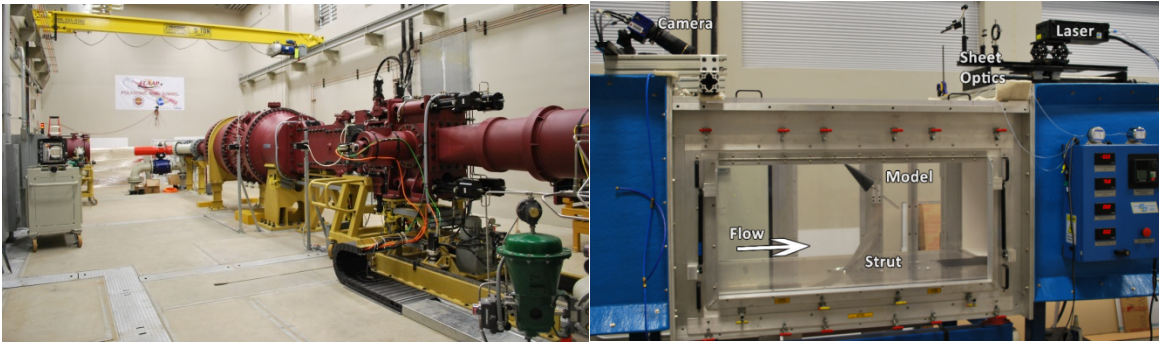
The [Aero-propulsion, Mechatronics, and Energy \(AME\) center](#) at FAMU-FSU College of Engineering was established in 2011. This 60,000-square-foot state-of-the-art facility supports advanced research in aerospace and aviation, mechatronics, and sustainable energy engineering. The AME center houses research laboratories, faculty and student offices, classrooms, and other infrastructures, which will be used for both teaching and research training of aerospace degree-seeking students. A brief description of selected facilities is given as follows.

***Aero-propulsion Centric Experimental Facilities:***

The Polysonic wind tunnel (PSWT) at FAMU-FSU College of Engineering is capable of operating in the Mach number regime of 0.2 to 5, including transonic speeds, and produces a unit Reynolds number of 2 – 30 million/ft. The facility features two separate test sections: 1) 12-in x 12-in x 24-in test section with solid walls for sub/supersonic Mach number testing, and 2) 12-in x 12-in x 48-in with slotted walls for testing in the transonic speed regime. Test models will be supported by a sting balance (six degree of freedom load cell) capable of pitch ( $-10^{\circ}$  to  $50^{\circ}$ ) and roll ( $\pm 180^{\circ}$ ) during the blowdown. The PSWT is designed to produce excellent flow quality, which is achieved through 10:1 inlet contraction ratio, 5 fine mesh flow conditioning screens, flow straightener and settling chamber acoustic treatment. The facility is designed to operate at various Reynolds numbers at a fixed Mach number with the help of varying stagnation pressure and an ejector system. The facility has been calibrated over the entire operational regime and exhibits excellent flow quality. The rms pressure fluctuations at supersonic speed are less than 0.2%, turbulence intensity less than 0.2% and flow angularity over the entire measurement section is less than  $0.2^{\circ}$ , respectively. The facility is equipped to carry out shadowgraph (fluid density fluctuations), surface oil flow visualizations, steady and unsteady pressures, aerodynamic forces and moments, and flow diagnostic measurements. The facility is connected to a high-pressure storage system of  $110\text{m}^3$  of dry air at 500psia pressure. Typical run times are 30 - 100 seconds depending upon the test conditions.

The low-speed wind tunnel at FAMU-FSU is an open circuit facility with a square test section measuring 30-in x 30-in that extends 60-in in the flow direction. The facility is driven by an axial fan powered by a 150HP, direct drive AC induction motor. The motor is controlled by a Toshiba variable frequency drive that outputs a constant frequency power signal between 2 and 50 Hz. The range of freestream velocity is 2 m/s to 80 m/s and a corresponding maximum Reynolds number of 2.4 million/ft. To achieve flow uniformity

and low-turbulence ( $< 0.05\%$ ), the facility is designed and equipped with 9:1 contraction ratio, honeycomb inlet and three stainless steel meshes of appropriate porosity.



**Figure - The FAMU-FSU Polysonic Wind Tunnel (left) and the PIV setup in the low speed wind tunnel with a cone model (right).**

The wind tunnels are equipped with required instrumentation, including a six-component strain gauge balance to measure aerodynamic forces and moments, an electronic pressure scanner (ESP) for steady pressure distributions and Kulite pressure transducers for unsteady pressures. The facilities are designed for maximum optical access and with flow diagnostic capabilities such as Schlieren, shadowgraph and surface oil flow visualization measurement methods. The wind tunnels are also equipped for time-averaged and time-resolved PIV, including double pulsed Nd-YAG 400mJ/pulse laser, a 150W 30kHz photonics laser, CMOS / CCD cameras and necessary optics to measure off-body velocity field. We have also recently procured a fast-response Pressure Sensitive Paint (PSP) instrumentation to measure unsteady surface pressure fluctuations. Both of these facilities and advanced optical diagnostic techniques will be used in the proposed study.

In addition the center has a number of jet facilities to study jet noise and high-temperature material characterization, actuator development laboratory, a flow diagnostic development laboratory and a fully-equipped machine shop.

### **Computational Facilities:**

The faculty has a number of well-validated, in-house, theoretical, and computational tools. These computational tools have two principal components: (a) the software that simulates the required physical fields of interest (denoted the “solver”), and (b) the software-suite that performs physical, statistical, and modal analyses on the simulated data (denoted the “post-processor”). A critical resource for the research includes the computational framework utilized by the solver and the post-processor. They are as follows:

**Solver:** The solver will be executed on the computational clusters at FAMU-FSU College of Engineering. Multi-core simulations thus obtained will be validated using complementary experiments and will serve as digital-twins for the flowfields studied. The common engineering-resource-pool nodes will be utilized for small-scale pilot simulations. For advanced simulations, the high-order capability of the solver facilitates superior resolution of the turbulent flowfields on reasonable grid-sizes of the order of 100-150 million. This will necessitate parallel computing on 600-800 cores, that will be provided by the RCC facility at FAMU and FSU. If needed, additional computing resources will be requested at the NSF-supported National Supercomputer Centers (see <http://www.xsede.org>) and the Department of Defense High-Performance Computing Centers.

Post-processor: This software-suite will be primarily executed on workstation computers utilized by the PIs and other personnel involved in this research. Three specialized workstations are available for this purpose, that can handle graphic-intensive data-interrogation, and memory-intensive long-time spectral and statistical signal analyses.

***Mechatronics – Robotics, Control and Intelligence Facilities:***

Mechatronics is the synergistic integration of mechanical, electrical, control, and computer systems to create functional products. The field of mechatronics generally covers topics such as robotics, Micro-Electro-Mechanical-Systems (MEMS), intelligent systems, automated guided vehicles, and smart materials. AME mechatronics group's research focuses on a variety of robot designs and control methodologies. A major challenge in this field pertains to exploitation of bio-inspired systems that can adapt to their surroundings while efficiently navigating cluttered and unpredictable terrains. This includes (1) legged robotics systems traversing up walls, across obstacles, swimming and diving underwater, etc.. (2) Human/Robotic Interactions and Biomechanics. (3) Bipedal robot locomotion and optimal control.

Detailed description of specialized instrumentation, manufacturing and diagnostics facilities of the mechatronics group can be found in the following web links: [Center for Intelligent Systems, Control, and Robotics](#), and [Optimal Robotics Laboratory](#).

***Aerospace-centric Materials Research Facilities:*** In addition to the AME center, aerospace engineering faculty and students will have access to aerospace-related materials research facilities and collaborators from [High Performance Materials Institute \(HPMI\)](#) with expertise in high-performance composite and nanomaterials, structural health monitoring, multifunctional nanomaterials advanced manufacturing and process modeling. HPMI has world-class facilities in materials processing, synthesis, thermal and mechanical testing, imaging and microscopy as well as outstanding capability in computational modeling and simulation. Detailed description of HPMI's specialized equipment and resources can be found in this link: [Equipment | High-Performance Materials Institute](#).

***Cryogenics Facilities:*** Cryogenics is used to cool aviation components, and to store rocket fuel at extremely low temperatures, with liquid hydrogen and liquid oxygen being the most widely used fuel and oxidizer. The advancement of cryogenic thermal and fluid management technology is considered an integral part of the development of deep space exploratory missions. The FSU Cryogenics Laboratory is a fully developed 3000 ft<sup>2</sup> facility for the conduct of low temperature experimental research in fluid dynamics, heat transfer and materials characterization. The laboratory is housed at the National High Magnetic Field Laboratory (NHMFL), which is adjacent to the FAMU-FSU College of Engineering in Tallahassee, FL. These facilities include: Cryogenic Helium Experimental Facility, Liquid Helium Flow Visualization Facility, Laser Induced Fluorescence Imaging Facility, Cryogenic Magnetic Levitation Facility, Multi-layer Thermal Conductivity Measurement Facility, etc.. More detailed description of these facilities can be found in [Cryogenics Lab](#).

- D. Describe any additional specialized equipment or space needed to implement and/or sustain the proposed program through Year 5. Include any projected Instruction and Research (I&R) costs of additional space in Appendix A – Table 3A or 3B. Costs for new construction should be provided in response to Section IX.E. below.**



**☒ Not applicable to this program because no new I&R costs are needed to implement or sustain the program through Year 5**

Although no new specialized equipment or space are requested, additional facilities and laboratory space are desired to sustain and grow the program beyond the first five years of the graduate program. These directions include additional graduate research thrusts (e.g., space applications, propulsion, combustion) and an undergraduate aerospace degree program. Critical research areas of national need that complement current expertise at the FAMU-FSU College of Engineering include aerospace structures, combustion technology, and liquid hydrogen research and test facilities. The latter aligns with a new hydrogen initiative. With respect to expansions to an undergraduate aerospace degree program, additional makerspace for aerospace structure design and development, and a cryogenics laboratory. The latter will take advantage of world-class resources and expertise (including mechanical engineering department professors) in the field of cryogenics. Moreover, this will offer opportunities to train undergraduates in the growing field of quantum information in science where superconductivity hardware is one of the main quantum computing hardware platforms. Furthermore, this is another strategic research thrust at FSU.

- E. If a new capital expenditure for instructional or research space is required, indicate where this item appears on the university's fixed capital outlay priority list. Appendix A – Table 3A or 3B includes only I&R costs. If non-I&R costs, such as indirect costs affecting libraries and student services, are expected to increase due to the program, describe and estimate those expenses in narrative form below. High enrollment programs, in particular, are expected to necessitate increased costs in non-I&R activities.**

**☒ Not applicable to this program because no new capital expenditures are needed to implement or sustain the program through Year 5.**

Similarly, no capital expenditures are requested here; however, investments that may need consideration to sustain the program include faculty start-up funds and a future research building for space and propulsion applications. Whereas the start of a strong AE graduate program can be created with existing facilities at the Aero-Propulsion, Mechatronics, and Energy Building located near the FAMU-FSU College of Engineering, these facilities focus on subsonic, transonic, supersonic and hypersonic (Mach ~5-6) fluid dynamics and robotic applications. An additional research building should be considered in the long term to expand the program to space applications. This will be important for the growth of the graduate program and the future development of an undergraduate program.

- F. Describe any additional special categories of resources needed to operate the proposed program through Year 5, such as access to proprietary research facilities, specialized services, or extended travel. Explain how those projected costs of special resources are reflected in Appendix A – Table 3A or 3B.**

**☒ Not applicable to this program because no additional special categories of resources are needed to implement or sustain the program through Year 5.**

- G. Describe fellowships, scholarships, and graduate assistantships to be**

**allocated to the proposed program through Year 5 and explain how those are reflected in Appendix A – Table 3A or 3B.**

☐ **Not applicable to this program because no fellowships, scholarships, and/or graduate assistantships will be allocated to the proposed program through Year 5.**

Fellowships and/or scholarships are proposed for the first year \$50,000 and similarly \$50,000 in the fifth year, to attract highly qualified U.S. students into the aerospace field. These funds will be a small fraction of the expected C&G funds that will support graduate students as shown in Table 3A. These funds will provide additional salaries for highly qualified PhD students at competitive rates to top AE programs within the U.S. The students will be selected by the graduate committee in the Mechanical Engineering Department with input from a faculty member's recommendations who intends to mentor and support the student with a base salary.

## **X. Required Appendices**

The appendices listed in tables 1 & 2 below are required for all proposed degree programs except where specifically noted. Institutions should check the appropriate box to indicate if a particular appendix is included to ensure all program-specific requirements are met. Institutions may provide additional appendices to supplement the information provided in the proposal and list them in Table 2 below.

**Table 1. Required Appendices by Degree Level**

<b>Appendix</b>	<b>Appendix Title</b>	<b>Supplemental Instructions</b>	<b>Included Yes/No</b>	<b>Required for Degree Program Level</b>		
				<b>Bachelors</b>	<b>Masters/ Specialist</b>	<b>Doctoral/ Professional</b>
A	Tables 1-4			X	X	X
B	Consultant's Report and Institutional Response					X
C	Academic Learning Compacts	Include a copy of the approved or proposed Academic Learning Compacts for the program		X		
D	Letters of Support or MOU from Other Academic Units	Required only for programs offered in collaboration with multiple academic units within the institution		X	X	X

E	Common Prerequisite Request Form	This form should also be emailed directly to the BOG Director of Articulation before submitting the program proposal to the Board office for review.		X		
F	Request for Exemption to the 120 Credit Hour Requirement	Required only for baccalaureate degree programs seeking approval to exceed the 120 credit hour requirement		X		
G	Request for Specialized Admissions Status	Required only for baccalaureate degree programs seeking approval for specialized admissions status		X		
H	Attestations for Self-Supporting and Market Tuition Rate Programs	Required only for self-supporting or market tuition rate programs			X	X
I	Faculty Curriculum Vitae			X	X	X

**Table 2. Additional Appendices**

<b>Appendix</b>	<b>Appendix Title</b>	<b>Description</b>
A	Faculty Participation	Faculty data
B	Program Collaborations	Email discussion with chairs



**APPENDIX A**  
**TABLE 1-B**  
**PROJECTED HEADCOUNT FROM POTENTIAL SOURCES**  
**(MS+PhD Graduate Degree Programs)**

Source of Students (Non-duplicated headcount in any given year)*	Year 1 HC	Year 1 FTE	Year 2 HC	Year 2 FTE	Year 3 HC	Year 3 FTE	Year 4 HC	Year 4 FTE	Year 5 HC	Year 5 FTE
Individuals drawn from agencies/industries in your service area (e.g., older returning students)	2	1	3	1	3	3	1	1	3	3
Students who transfer from other graduate programs within the university**	4	4	4	2	4	2	2	2	2	2
Individuals who have recently graduated from preceding degree programs at this university	6	4	12	10	4	12	10	19	12	10
Individuals who graduated from preceding degree programs at other Florida public universities	6	4	12	10	19	15	26	22	26	20
Individuals who graduated from preceding degree programs at non-public Florida institutions	7	5	14	12	21	16	28	23	32	26
Additional in-state residents***	0	0	0	0	0	0	0	0	0	0
Additional out-of-state residents***	0	0	0	0	0	0	0	0	0	0
Additional foreign residents***	0	0	0	0	0	0	0	0	0	0
Other (Explain)***	0	0	0	0	0	0	0	0	0	0
<b>Totals</b>	<b>25</b>	<b>18</b>	<b>45</b>	<b>35</b>	<b>51</b>	<b>48</b>	<b>67</b>	<b>67</b>	<b>75</b>	<b>61</b>

\* List projected annual headcount of students enrolled in the degree program. List projected yearly cumulative ENROLLMENTS instead of admissions.

\*\* If numbers appear in this category, they should go DOWN in later years.

\*\*\* Do not include individuals counted in any PRIOR category in a given COLUMN.

## APPENDIX A

**Table 2**  
**Anticipated Faculty Participation**

Faculty Code	Faculty Name or "New Hire" Highest Degree Held Academic Discipline or Specialty	Rank	Contract Status	Initial Date for Participation in Program	Mos. Contract Year 1	FTE Year 1	% Effort for Prg. Year 1	PY Year 1	Mos. Contract Year 5	FTE Year 5	% Effort for Prg. Year 5	PY Year 5
A	Rajan Kumar, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	9	0.75	0.10	0.08	9	0.75	0.20	0.15
A	Yousuf Ali, Ph.D. Mechanical Engineering	Instructor	MYA	Fall 2025	12	1.00	0.10	0.10	12	1.00	0.18	0.18
A	Chiang Shih, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	9	0.75	0.10	0.08	9	0.75	0.00	0.00
A	William Oates, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	9	0.75	0.15	0.11	9	0.75	0.20	0.15
A	Farrukh Alvi, PhD Mechanical Engineering	Full Prof	Tenure	Fall 2025	12	1.00	0.05	0.05	12	1.00	0.05	0.05
A	Huixuan Wu, PhD Mechanical Engineering	Associate Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.18	0.14
A	Alex Berger, PhD Aerospace Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.13	0.10
A	Kourosh Shoele, PhD Mechanical Engineering	Associate Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Neda Yaghoobian, PhD Mechanical Engineering	Associate Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.12	0.09
A	Jizhe Cai, PhD Aerospace Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Christian Hubicki, PhD Mechanical Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Unni Nair, PhD Mechanical Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Wei Guo, PhD Physics	Full Prof	Tenure	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.12	0.09
A	Juan Ordonez, PhD Mechanical Engineering	Full Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.10	0.08
A	Carl Moore, PhD Mechanical Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.10	0.08
A	David Larbalestier, PhD	Full Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.00	0.00

## APPENDIX A

**Table 2  
Anticipated Faculty Participation**

	Engineering											
A	Eric Hellstrom, PhD Engineering	Full Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.00	0.00
A	Brandon Krick, PhD Mechanical Engineering	Associate Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.15	0.11
A	Fumitake Kametani, PhD Engineering	Associate Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.05	0.04
B	New Hire, PhD Engineering	Assistant Prof	track	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.20	0.15
B	New Hire, PhD Engineering	Associate Prof	Tenured	Fall 2025	9	0.75	0.05	0.04	9	0.75	0.20	0.15
C	New Hire, PhD Engineering	Associate Prof	Tenured	Fall 2026	0	0.00	0.00	0.00	9	0.75	0.30	0.23
C	New Hire, PhD Engineering	Assistant Prof	track	Fall 2026	0	0.00	0.00	0.00	12	1.00	0.30	0.30
C	New Hire, PhD Engineering	Assistant Prof	track	Fall 2027	0	0.00	0.00	0.00	9	0.75	0.30	0.23
C	New Hire, PhD Engineering	Assistant Prof	track	Fall 2027	0	0.00	0.00	0.00	9	0.75	0.30	0.23
C	New Hire, PhD Engineering	Research Prof	MYA	Fall 2027	0	0.00	0.00	0.00	12	1.00	0.05	0.05
C	New Hire, PhD Engineering	Research Prof	MYA	Fall 2028	0	0.00	0.00	0.00	12	1.00	0.05	0.05
C	New Hire, PhD Engineering	Research Prof	MYA	Fall 2028	0	0.00	0.00	0.00	12	1.00	0.05	0.05
<b>Total Person-Years (PY)</b>								<b>1.01</b>				<b>3.12</b>

Faculty Code	Code Description	Source of Funding	PY Workload by Budget Classification		
			Year 1		Year 5
A	Existing faculty on a regular line	Current Education & General Revenue	0.94		1.69
B	New faculty to be hired on a vacant line	Current Education & General Revenue	0.08		0.30
C	New faculty to be hired on a new line	New Education & General Revenue	0.00		1.13
D	Existing faculty hired on contracts/grants	Contracts/Grants	0.00		0.00
E	New faculty to be hired on contracts/grants	Contracts/Grants	0.00		0.00
F	Existing faculty on endowed lines	Philanthropy & Endowments	0.00		0.00
G	New faculty on endowed lines	Philanthropy & Endowments	0.00		0.00

# APPENDIX A

## Table 2

### Anticipated Faculty Participation

H	Existing or new faculty teaching outside of regular/tenure-track line course load	Enterprise Auxiliary Funds	0.00		0.00
Overall Totals for			1.01		3.12

**APPENDIX A**  
**TABLE 3A**  
**EROLLEMENT AND GROWTH**  
**PROJECTED COSTS AND FUNDING SOURCES**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	Institutions should not edit the categories or budget lines in the table below. This table is specific to state-funded (E&G) programs, and institutions are expected to explain all costs and funding sources in Section VII.A. of the proposal. Detailed definitions for each funding category are located at the bottom of the table.															
2	Budget Line Item	Reallocated Base* (E&G) Year 1	Enrollment Growth (E&G) Year 1	New Recurring (E&G) Year 1	New Non-Recurring (E&G) Year 1	Contracts & Grants (C&G) Year 1	Philanthropy/ Endowments Year 1	Other Funding Year 1 - Please Explain in Section VII.A. of the Proposal	Subtotal Year 1	Continuing Base** (E&G) Year 5	New Enrollment Growth (E&G) Year 5	Other*** (E&G) Year 5	Contracts & Grants (C&G) Year 5	Philanthropy/ Endowments Year 5	Other Funding Year 5 - Please Explain in Section VII.A. of the Proposal	Subtotal Year 5
3	Salaries and Benefits (Faculty)	237,825	0	0	0	91,374	0	0	\$329,199	588,375	0	0	231,770	0	0	\$820,144
4	Salaries and Benefits (A&P and USPS)	10,000	0	0	0	0	0	0	\$10,000	50,000	0	0	0	0	0	\$50,000
5	OPS (including assistantships & fellowships)	50,000	0	0	0	274,122	0	0	\$324,122	50,000	0	0	695,309	0	0	\$745,309
6	Programmatic Expenses****	10,000	0	0	0	91,374	0	0	\$101,374	15,000	0	0	231,770	0	0	\$246,770
7	Total Costs	\$307,825	\$0	\$0	\$0	\$456,871	\$0	\$0	\$764,696	\$703,375	\$0	\$0	\$1,158,849	\$0	\$0	\$1,862,223
8	*Identify reallocation sources in Table 4.															
9	**Includes recurring E&G funded costs ("reallocated base," "enrollment growth," and "new recurring") from Years 1-4 that continue into Year 5.															
10	***Identify if non-recurring.															
11	****include library costs, expenses, OCO, special categories, etc.															
12	Faculty and Staff Summary															
13	Total Positions	Year 1	Year 5													
14	Faculty (person-years)	1.01	3.12													
15	FTE (A&P and USPS)	0.3	1													
16																
17																
18	Table 3 Column Explanations															
19	Reallocated Base* (E&G)	1	E&G funds that are already available in the university's budget and will be reallocated to support the new program. Please include these funds in the Table 4 – Anticipated reallocation of E&G funds and indicate their source.													
20	Enrollment Growth (E&G)	2	Additional E&G funds allocated from the "Student and Other fees Trust Fund" contingent on enrollment increases.													
21	New Recurring (E&G)	3	Recurring funds appropriated by the Legislature to support implementation of the program.													
22	New Non-Recurring (E&G)	4	Non-recurring funds appropriated by the Legislature to support implementation of the program. Please provide an explanation of the source of these funds in the budget section (section VII.A.) of the proposal. These funds can include initial investments, such as infrastructure.													
23	Contracts & Grants (C&G)	5	Contracts and grants funding available for the program.													
24	Philanthropy Endowments	6	Funds provided through the foundation or other Direct Support Organizations (DSO) to support the program.													
25	Continuing Base** (E&G)	7	Includes the sum of columns 1, 2, and 3 over time.													
26	New Enrollment Growth (E&G)	8	See explanation provided for column 2.													
27	Other*** (E&G)	9	These are specific funds provided by the Legislature to support implementation of the program.													
28	Contracts & Grants (C&G)	10	See explanation provided for column 5.													
29	Philanthropy Endowments	11	See explanation provided for column 6.													
30	Other Funding	12	Any funding sources not already covered in any other column of the table. Please provide an explanation for any funds listed in these columns in the narrative for Section VII.A. of the proposal.													

Calculated Cost per Student FTE		
	Year 1	Year 5
Total E&G Funding	\$307,825	\$703,375
Annual Student FTE	18	61
E&G Cost per FTE	\$17,101	\$11,531

**Calculated Cost per Student FTE**

	Year 1	Year 5
Total E&G Funding	\$307,825	\$703,375
Annual Student FTE	18	61
E&G Cost per FTE	\$17,101	\$11,531

**APPENDIX A**  
**TABLE 4**  
**ANTICIPATED REALLOCATION OF EDUCATION GENERAL FUNDS\***

Program and/or E&G account from which current funds will be reallocated during Year 1	Base before reallocation	Amount to be reallocated	Base after reallocation
Mechanical Engineering Budget 218000110	\$3,534,076	\$307,825	\$3,226,251
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
	\$0	\$0	\$0
<b>Totals</b>	\$3,534,076	\$307,825	\$3,226,251

\* If not reallocating E&G funds, please submit a zeroed Table 4

## External Review of a Proposal by Florida State University for the establishment of a graduate degree program in Aerospace Engineering

Mark Glauser  
Professor Emeritus of Mechanical and Aerospace Engineering  
Syracuse University  
April 26, 2024

This is my review of the Florida A&M and Florida State Universities proposal to offer a graduate degree program in Aerospace Engineering (AE) beginning Spring 2025. The graduate program will offer master's and doctoral degrees. The proposed program will be offered jointly within the FAMU-FSU College of Engineering and operate within the FAMU-FSU Mechanical Engineering Department. This review was conducted to judge compliance with the Florida Board of Governors New Degree Criteria.

This is an excellent proposal that is timely and well written which addresses all the Board of Governors' criteria. Both qualitative and quantitative material is provided that demonstrates that the proposal meets all the criteria. The proposal to have this program housed in the Mechanical Engineering Department is the proper choice given the current extensive ongoing research in that department that is Aerospace related. This will significantly enhance FAMU-FSUs already well-respected reputation in the Aerospace sector. We at Syracuse University have recently hired 2 recent Ph.D. graduates from the FAMU-FSU Mechanical Engineering program as Assistant Professors in our Aerospace Engineering program (Professors Yiyang Sun and Fernando Zigunov) due to their outstanding research and education in the Aerospace area. Having these two colleagues graduate with Ph.D. degrees in Aerospace Engineering would have made their hiring to support our Aerospace Engineering program somewhat easier. This is due to the fact some of my colleagues were unsure if Professors Sun and Zigunov were sufficiently trained in Aerospace Engineering to be hired into our Aerospace Engineering program. Given my knowledge of the significant level of depth in the Aerospace discipline within the FAMU-FSU Mechanical Engineering Department, I was able to dispel the concerns of my colleagues and we moved forward hiring them as Assistant Professors in Aerospace Engineering. The proposed graduate degree program in Aerospace Engineering will make this a non-issue.


What the FAMU-FSU Mechanical Engineering faculty are asking for is the opportunity to have their graduate students whose main research focus is in the Aerospace area graduate with the degree that is more in line with their expertise. It could be argued that this is more a matter of marketing and packaging than establishing an entirely new program from scratch. Leveraging the already outstanding research and education in the Aerospace discipline within the FAMU-

FSU Mechanical Engineering program explains the relatively minor cost of the new proposed graduate degree program in Aerospace Engineering.

The Board of Governors is concerned about duplication in the state. This is not an issue in this case. As pointed out in the proposal, the AE program at FAMU and FSU will complement the other two programs in the state at UF and UCF (see Appendix B) and advance the State and Federal calls to increase competence in science, technology, engineering, and math (STEM) in upcoming generations and to promote advanced aerospace engineering to solve fundamental problems that have immediate technical applications. In Florida, the aerospace industry is an essential component of the State's economy. Furthermore, there are several federal research laboratories in the Panhandle region, including Eglin and Tyndall Air Force Bases, the Naval Surface Warfare Center—Panama City Division and the Naval Air Station in Pensacola, that need new, well-trained AE graduates in their workforce. In addition, many industries in Florida, like defense and aerospace contractors, need aerospace engineers at the master's and doctoral level. The need for the AE graduate degree program is clearly justified. Let me give some perspective from the State of New York. Our Aerospace sector in New York is significantly smaller than that of Florida and we don't even come close to having the federal facilities that engage in the Aerospace sector that Florida has. Note however, that within New York State we have several Aerospace graduate degree programs including Syracuse University, Cornell University, RPI, Clarkson and the University at Buffalo/SUNY. Given the level of activity in the State of Florida within the Aerospace sector, adding an additional graduate degree program in AE at FAMU-FSU is the proper and timely thing to do.

I believe this is an excellent proposal that the Board of Governors should feel highly confident in approving. Feel free to reach out to me at [mglauser@sy.edu](mailto:mglauser@sy.edu) or 315 244 0882 (cell) if you would like additional input.

With Best Personal Regards,

A handwritten signature in black ink, reading "Mark Glauser", is centered on a light yellow rectangular background.

Mark Glauser  
Emeritus and Research Professor of  
Mechanical and Aerospace Engineering  
College of Engineering and Computer Science  
Fellow; AIAA, APS, ASME, Institute of Physics (UK)  
Member, Army Science Board 2013 - 2021





FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM C



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Academic Affairs Committee*

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#### CONSENT ITEM C

**June 20, 2024**

**SUBJECT:** BOG Regulation 8.014: 120 Credit Hour Exception Revisions

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#### **PROPOSED COMMITTEE ACTION**

Request to approve revisions to five bachelors degree programs holding Boards of Governors approval to exceed 120 credit hours:

- Reduce Biomedical Engineering from 131 credit hours to 128 credit hours (CIP Code 14.0501)
- Reduce Chemical Engineering from 131 credit hours to 128 credit hours (CIP Code 14.0701)
- Reduce Secondary Education and Teaching to 120 credit hours (CIP Code 13.1205) and remove from list
- Reduce Music Therapy to 120 credit hours (CIP Code 51.2305) and remove from list
- Reduce Nursing to 120 credit hours (CIP Code 51.3801) and remove from list

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

Board of Governors Regulation 8.014 requires each bachelors degree offered in excess of 120 credit hours be approved by the Board of Trustees and the Board of Governors. Recent revisions to the Regulation delegate authority to the University Board of Trustees to approve a reduction of credit hours for degree programs approved by the Board of Governors to exceed 120 credit hours.

#### **BACKGROUND INFORMATION**

Florida State University currently offers 14 bachelors degree programs with approval to exceed 120 credit hours. In February 2024, the BOG requested that each SUS institution review current offerings with an exception to the 120 credit hour requirement and, as necessary, update the number of credit hours offered. FSU has determined two reductions in credit hours was warranted and that three degree programs should be removed from the list. These actions will be reported to the Board of Governors following Board of Trustees approval. These revisions would reduce FSU approved exceptions to 11 bachelors degree programs.

## **ADDITIONAL COMMITTEE CONSIDERATIONS**

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**Supporting Documentation Included:** N/A

**Submitted by:** Office of Faculty Development and Advancement



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM D



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Academic Affairs Committee*

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#### CONSENT ITEM D

**June 20, 2024**

**SUBJECT:** FSU Regulation 5.079 Revision

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#### **PROPOSED COMMITTEE ACTION**

Request to approve revisions to FSU Regulation 5.079, including updated title and content. This is a substantial rewrite of the regulation, so it is presented as a new regulation without blackline of changes.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

BOG Regulations 1.001(3) (j), (4), 6.001, 6.002, 6.003. Florida Board of Governors “Regulation Development Procedure for State University Boards of Trustees”

#### **BACKGROUND INFORMATION**

A substantial rewrite of FSU Regulation 5.079: Special Non-Degree Seeking Students is proposed due to outdate terminology no longer used by the institution. The proposed Regulation is titled “Non-Degree Seeking Students.”

This regulation is being updated to conform to current practices and operational needs regarding non-degree seeking students. Also, in recent years, units within Student Affairs and Academic Affairs have found themselves expending finite resources addressing non-degree student conduct violations and academic issues. The proposed Regulation includes new limitations on non-degree seeking student enrollment, including:

- Limiting non-degree seeking students to a maximum of 30 credit hours earned while a non-degree seeking student, as found in other SUS institutional policies, and
- Restricting the continued enrollment of non-degree seeking students who are found responsible for violating the institution’s Student Code of Conduct or Academic Honor Policy.

These limitations permit individuals with true academic needs to take classes as non-degree seeking students while allowing FSU to prioritize providing critical student support services and stellar academic experiences to our degree-seeking students.

## **ADDITIONAL COMMITTEE CONSIDERATIONS**

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**Supporting Documentation Included:** FSU Regulation 5.079 Non-Degree Seeking Students

**Submitted by:** Office of Faculty Development and Advancement

## **Substantial Rewrite**

### **FSU-5.079 Non-Degree Seeking Students.**

(1) Categories of Non-Degree Students. Non-degree designation is assigned to students who are not actively pursuing an academic degree, regardless of degree level or type. Non-degree student classification is inclusive of students enrolled in high school dual enrollment courses intended for transfer to a degree program, select certificate programs, transient student status with another institution, or audit of classes. Additional categories may be added and required by University operations or by the State of Florida.

(2) Admission Eligibility for Non-Degree Student Status. Individuals wishing to apply as non-degree students must complete a non-degree admission application. Admission as a non-degree student is open to any high school graduate to enroll in undergraduate courses and to any college graduate to enroll in undergraduate or graduate courses. Students without a high school degree may apply as non-degree status only through select structured programs or specifically for high school dual enrollment.

(a) Each application is subject to review and may not be approved. Individuals with a demonstrated pattern of conduct issues may not be eligible for admission or eligible for continued enrollment if already admitted.

(b) Evidence of prior education must be submitted to the Office of Admissions in keeping with the admission requirements and deadlines established by that office. Failure to present the appropriate materials by the specified deadline will result in a stop or service indicator placed to prevent future enrollment or cancellation of the admission application.

(3) Changing From a Non-Degree Student to a Regular Student. The change in status from a non-degree student to a regular student is processed through the Office of Admissions for undergraduate students or the Graduate Admissions Office for graduate students. An eligible non-degree student who desires to pursue a degree may submit the required application. Application review will include the requirement of fulfilling all admissions standards.

(4) Registration. Registration is on a space available basis during the non-degree registration windows and drop/add periods as published by the Office of the University Registrar. Non-degree students may register for 1 -16 hours in the Fall or Spring semesters, or 1 -15 hours in the summer term. Non-Degree students participating in the high school dual enrollment program are limited to fewer credit hours as specified by the signed articulation agreements established by the university with participating schools and districts.

(5) Limits on Non-Degree Coursework. The following limitations apply to all non-degree students. Students in structured programs may be allowed to exceed the maximum number of credit hour limits.:

(a) All non-degree students are limited to a maximum of 30 attempted hours. Students wishing to enroll beyond the 30 attempted hours may petition the Office of the University Registrar to continue.

(b) Non-degree students seeking to take courses for high school dual enrollment are limited to enrollment in only undergraduate courses and only those courses identified by the appropriate University offices as eligible for high school student enrollment.

(c) A non-degree student with a finding of responsibility for violating the Student Conduct Code or the Academic Honor Policy may not be eligible for continued enrollment as a non-degree student.

(d) A non-degree student may petition to apply up to a maximum of 15 hours of undergraduate non-degree coursework toward a specific bachelor's degree with approval of the academic dean once they have been admitted to the degree program. An eligible non-degree student who has participated in a structured program at The Collegiate High School may apply the full amount of credit earned toward the Associate of Arts degree upon completion of those degree requirements at the University and award of the high school diploma.

(e) A non-degree post-baccalaureate student may petition to apply up to a maximum of 12 semester hours of non-degree graduate coursework toward a specific degree with approval of the academic dean once they have been admitted to a degree program.

(6) Structured Programs. Non-degree students enrolled in structured programs such as The Collegiate High School, or Republic of Panama must adhere to the specific requirements established by the program.

(7) Undergraduate Students who do not Meet Regular Admission Standards. A non-degree student who wishes to be reclassified as a regular student but fails to meet the regular admissions standards may be eligible for admission as a degree-seeking student if they meet the requirements specified in Florida BOG Regulation 6.004(4)b. These requirements are considered the minimum requirements set by the State of Florida. Admission as a degree-seeking student under this provision is subject to a review for admission eligibility.

(a) The University reserves the right to change a degree-seeking student to a non-degree student in cases where the student fails to satisfy their conditions of admission.

(b) A degree-seeking undergraduate student who is considered active and eligible to enroll may not petition to change from a degree-seeking student to a non-degree student.

(b) A degree-seeking graduate student who is considered active and eligible to enroll may petition to change from a degree-seeking student to a non-degree student only with written permission of their faculty adviser, department chair, and academic dean.

(c) A former degree-seeking student who is considered inactive may apply to return as a non-degree student.

(8) Regular Degree Seeking Students on Academic Dismissal Who Wish to Enroll as a Non-Degree Seeking Students. In rare cases, the degree-seeking academic dean and the University Registrar, who serves as the non-degree student academic Dean, may approve a student on dismissal to enroll as a non-degree student for one term without approving a reinstatement for degree-progress. The following minimum stipulations would apply:

(a) Course work undertaken by a non-degree student who has been academically dismissed from the University as a degree-seeking student may not be used toward the minimum hours required for graduation or to satisfy degree requirements, including in cases where it might otherwise be allowed under section 4 for this regulation.

(b) The academic dean of the degree-seeking program may at their discretion permit quality points earned by a non-degree student on dismissal to be used to decrease the quality point deficiency achieved as a regular student only after the student has been readmitted on probation to degree seeking status.



(c) A course in which a grade of “D” or “F” is earned by a regular undergraduate student prior to their dismissal may not be repeated for credit by the student as a non-degree student on dismissal. A course in which a grade of “B-” or worse is earned by a graduate student may not be repeated for credit by the student as a non-degree student on dismissal. Course work earned by a dismissed student cannot be counted toward graduation. Thus, the repeated course cannot replace the former course.

(d) A former degree-seeking student who has changed to the non-degree student status may regain their regular student classification only through the formal admissions process.

(9) Administration and Academic Dean Designation. Non-degree students are monitored and administered by the Office of the University Registrar. A non-degree student is not assigned to a college, school, or department. A non-degree student is not required to have a faculty adviser unless enrolled in a structured program, but an adviser may be assigned in cases where a student is pursuing a certificate program or attempting to satisfy specific requirements for admissions consideration to a program as a degree-seeking student.

(10) Withdrawal from the University. All non-degree students who wish to withdraw (e.g. drop all classes for a term) should contact the Office of the University Registrar to begin the process. Refunds and fee adjustments will follow the University’s standard refund policy and timeline.

(11) Fees for Non-Degree Students. Tuition and registration fees for non-degree students are the same as for regular students.

Specific Authority BOG Regulation 1.001(3)(j) , Reg. Procedure July 21, 2005 Law Implemented 240.227(8), 240.233 FS., 6C-4.001(1), (5), 6C-6.003(4), F.A.C. Formerly 6C2-5.79.  
History–New 9-30-75, Amended 4-19-78, \_\_\_\_\_



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM E



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Academic Affairs Committee*

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#### CONSENT ITEM E

June 20, 2024

**SUBJECT:** BOG Regulation 8.005 Review of General Education Courses

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#### **PROPOSED COMMITTEE ACTION**

Request to approve Florida State University Academic Year 2025-2026 General Education Courses

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

Florida Board of Governors Regulation 8.005: General Education Course Options

#### **BACKGROUND INFORMATION**

Amended Board of Governors Regulation 8.005: General Education Course Options requires each university's President and Board of Trustees to review and approve all general education offerings on an annual basis beginning in 2024 for the 2025-2026 academic year. The courses must be approved at a public meeting and be submitted to the Articulation Coordinating Committee by September 1<sup>st</sup> of each year.

General education courses must be reviewed and approved to be in compliance with Florida State Statutes 1007.24, 1007.25, and 1007.55. The applicable sections of each statute are as follows:

#### **1007.25 General education courses; common prerequisites; other degree requirements.**

(3)(c) General education core courses may not distort significant historical events or include curriculum that teaches identity politics, violates s. 1000.05 or is based on theories that systemic racism, sexism, oppression, and privilege are inherent in the institutions of the United States and were created to maintain social, political, and economic inequities.

(3)(d) General education core courses must meet the following standards:

1. **Communication** courses must afford students the ability to communicate effectively, including the ability to write clearly and engage in public speaking.

2. **Humanities** courses must afford students the ability to think critically through the mastering of subjects concerned with human culture, especially literature, history, art, music, and philosophy, and must include selections from the Western canon.
3. **Social science** courses must afford students an understanding of the basic social and behavioral science concepts and principles used in the analysis of behavior and past and present social, political, and economic issues.
4. **Natural science** courses must afford students the ability to critically examine and evaluate the principles of the scientific method, model construction, and use the scientific method to explain natural experiences and phenomena.
5. **Mathematics** courses must afford students a mastery of foundational mathematical and computation models and methods by applying such models and methods in problem solving.

**1007.55 General education course principles, standards, and content.**

(1) The Legislature finds it necessary to ensure that every undergraduate student of a Florida public postsecondary educational institution graduates as an informed citizen through participation in rigorous general education courses that promote and preserve the constitutional republic through traditional, historically accurate, and high-quality coursework. General education courses should provide broad foundational knowledge to help students develop intellectual skills and habits that enable them to become more effective and lifelong learners. Courses with a curriculum based on unproven, speculative, or exploratory content are best suited as elective or specific program prerequisite credit, not general education credit. General education courses must:

- (a) Meet the course standards as provided in s. 1007.25; and
- (b) Whenever applicable, provide instruction on the historical background and philosophical foundation of Western civilization and this nation's historical documents, such as the Declaration of Independence, the United States Constitution, the Bill of Rights and subsequent amendments, and the Federalist Papers.

The Florida Department of Education provided Florida State University with a spreadsheet of all general education course offerings in February 2024. The BOG requires institutions to review these courses and made one of three determinations for the 2025-26 academic year general education offerings: 1) Reviewed: No Updates, 2) Reviewed: Updated, and 3) Reviewed: Remove from General Education. The spreadsheet resulting from the FSU review is contained in Board materials. The list is organized as follows: courses that were reviewed and removed from the FSU general education curriculum, courses that were reviewed and modified to remain in the FSU general education curriculum, and courses that were reviewed and remain in the FSU general education curriculum with no modifications. For each course on the list, there is a course summary document that includes the course title, description, and objectives.

The initial annual review process involved 567 courses. College administration facilitated the review with each department offering general education courses, working closely with department chairs and faculty. The review concluded with 366 courses being approved for the 2025-2026 general education course offering. A summary of the results includes:

- 208 Courses Removed from General Education Offering
- 90 Courses Updated for General Education Offering
- 269 Courses with No Updates for General Education Offering

Four additional courses that were not part of the initial review were added to the general education offerings during the review, bringing the count of total courses reviewed to 571.

After Board review has concluded, the President and BOT Chair will certify that the institution has reviewed its general education course options for compliance by signing “Certification Form Academic Year 2025-26 General Education Courses,” which will be submitted to the Florida Department of Education.

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

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**Supporting Documentation Included:** FSU Academic 2025-2026 General Education Course Offering Spreadsheet and [Link to Additional Materials](#).

**Submitted by:** Office of Faculty Development and Advancement

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	AFA	2	000		INTRO TO THE AFRO-AMER EXPERIENCE	03/03/1997	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable		6	Active
FLORIDA STATE UNIVERSITY	AFA	3	101		THEORIES OF AFRICAN AMERICAN STUDIES	05/10/2018	3.0		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	AMH	1	000		AMERICAN CIVILIZATION	08/08/1983	3.0		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	AMH	1	091		THE AFRICAN AMERICAN EXPERIENCE IN THE UNITED STAT	08/01/1997	3.0		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	19		Discontinued
FLORIDA STATE UNIVERSITY	AMH	2	096		BLACK WOMEN IN AMERICA	08/01/1996	3.0		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	AML	2	010		AMERICAN AUTHORS TO 1875	08/01/2005	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	29		Active
FLORIDA STATE UNIVERSITY	AML	2	011		AMERICAN AUTHORS TO 1875	01/01/1981	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	AML	2	600		INTRODUCTION TO AFRICAN-AMERICAN LITERATURE	08/01/1997	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	17		Active
FLORIDA STATE UNIVERSITY	AML	3	041		AMERICAN AUTHORS SINCE 1875	08/01/2005	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	AML	3	630		LATINO/A LITERATURE IN ENGLISH	01/03/1996	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	AML	3	682		AMERICAN MULTI-ETHNIC LITERATURE	01/01/2001	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	ARH	3	130		SURVEY OF GREEK ART AND ARCHAEOLOGY	01/01/1984	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	ARH	3	150		ART AND ARCHAEOLOGY OF ANCIENT ITALY	01/01/1984	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	ARH	3	530		THE ARTS OF ASIA	04/12/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	BSC	1	005	C	GENERAL BIOLOGY FOR NON-MAJORS	12/27/2001	4.0		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	7		Discontinued
FLORIDA STATE UNIVERSITY	BSC	1	100		NATURAL HISTORY, BIODIVERSITY, AND THE GROWTH OF EVOLUTIONARY THOUGHT	08/10/2023	3		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CHM	1	020		CHEMISTRY FOR LIBERAL STUDIES	08/01/2015	3	Natural Sciences	Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	27		Active
FLORIDA STATE UNIVERSITY	CHM	1	020	L	CHEMISTRY FOR LIBERAL STUDIES LABORATORY	09/01/1987	1.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	7		Active
FLORIDA STATE UNIVERSITY	CHM	1	030		SURVEY OF GENERAL CHEMISTRY	08/01/1996	3.0		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	5		Discontinued
FLORIDA STATE UNIVERSITY	CHM	1	032		SURVEY OF GENERAL CHEMISTRY	08/01/2006	3.0		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	12		Discontinued
FLORIDA STATE UNIVERSITY	CHM	1	045	C	GENERAL CHEMISTRY I	01/13/2007	3		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	10		Discontinued
FLORIDA STATE UNIVERSITY	CHM	1	046	C	GENERAL CHEMISTRY II	10/14/2005	5		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	9		Discontinued
FLORIDA STATE UNIVERSITY	CHM	2	047	L	ONE SEMESTER GENERAL CHEMISTRY LAB	08/10/2023	1		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	CHM	2	200		SURVEY OF ORGANIC CHEMISTRY	01/13/2007	3		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	CHM	2	200	C	SURVEY OF ORGANIC CHEMISTRY	08/01/1996	4.0		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	CHM	2	200	L	SURVEY OF ORGANIC CHEMISTRY LABORATORY	04/25/2008	1		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	CHS	1	460		CHEMISTRY IN ART: FROM POTTERY TO FORGERY	01/10/2022	3		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	CHT	3	123		PRE-MODERN CHINESE LITERATURE AND CULTURE	03/31/2011	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CHT	3	124		MODERN CHINESE LITERATURE	08/17/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	CHT	3	391		CHINESE CINEMA AND CULTURE	01/01/2001	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CHT	3	392		WRITING WOMEN IN PRE-MODERN CHINA	01/31/2012	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLA	3	012		HOMOSEXUALITY IN ANTIQUITY	08/02/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLA	3	501		GENDER AND SOCIETY IN ANCIENT GREECE	06/22/2021	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CLA	3	502		WOMEN, CHILDREN, AND SLAVES IN ANCIENT ROME: THE ROMAN FAMILY	08/01/2001	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLT	2	044		WORD BLDG GREEK & LAT ELEMNTS IN ENG VOCA	08/01/2008	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	2		Discontinued
FLORIDA STATE UNIVERSITY	COP	2	000		COMPUTER SCIENCE I	11/01/1995	4.0		Math	Reviewed: Removed from General Education	Not Applicable	Not Applicable	20		Discontinued
FLORIDA STATE UNIVERSITY	DAN	3	146		20TH CENTURY CONCERT DANCE HISTORY	08/01/2013	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	DAN	3	185		AFRICAN-AMERICAN DANCE IN AMERICAN CULTURE	08/02/2007	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ENC	1	102		FRESHMAN WRITING ABOUT LITERATURE	04/01/2016	3.0		Communications	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	38		Active
FLORIDA STATE UNIVERSITY	ENC	1	121		FRESHMAN COMPOSITION AND RHETORIC: HONORS	04/01/2016	3.0		Communications	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	ENC	1	122		FRESHMAN WRITING ABOUT LITERATURE: HONORS	04/01/2016	3.0		Communications	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	ENC	1	142		FRESHMAN IMAGINATIVE WRITING WORKSHOP	04/01/2016	3.0		Communications	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	ENC	1	144		FRESHMAN ARTICLE AND ESSAY WORKSHOP	04/01/2016	3.0		Communications	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	ENC	1	145		FRESHMAN SPECIAL TOPICS IN COMPOSITION	04/01/2016	3.0		Communications	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	ENG	3	310		FILM GENRES	08/01/2005	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	ENG	3	600		HOLLYWOOD CINEMA	10/25/2005	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ENL	2	012		BRITISH AUTHORS: BEGINNINGS TO 1790	08/01/1995	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	28		Discontinued
FLORIDA STATE UNIVERSITY	ENL	2	022		BRITISH AUTHORS: EARLY ROMANTICS TO THE PRESENT	08/01/1995	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	31		Active
FLORIDA STATE UNIVERSITY	ENL	3	334		INTRODUCTION TO SHAKESPEARE	08/01/1995	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	ESC	1	070		HOW TO BUILD A HABITABLE PLANET	08/01/2007	3.0		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	2		Discontinued
FLORIDA STATE UNIVERSITY	FRW	3	391		FRENCH CINEMA	08/01/1996	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	GEB	3	211		COMMUNICATIONS AND CRITICAL THINKING IN THE BUSINESS WORLD	01/23/2020	3		Communications	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	GET	3	005		INTERDISCIPLINARY EXPLORATIONS IN GERMAN CULTURE	12/20/2019	3.00		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	HIS	3	205		LGBTQ HISTORY	06/27/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HUM	2	937		HUMANITIES HONORS SEMINAR	04/12/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	HUM	3	800		HUMANITIES: PRINCIPLES OF CRITICISM AND APPRECIATION	01/01/1983	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDH	2	103		MUSEUMS: THREE PROMISES FOR HUMANITY	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDH	2	118		UTOPIAS/DYSTOPIAS: AN HOMAGE TO SOCIAL DREAMING	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDH	2	123		CHILD AND YOUTH MEDIA CULTURES IN THE U.S.	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	IDH	2	130		STAGING IDENTITY AND DIFFERENCE IN THE AMERICAN MUSICAL THEATRE	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	2	133		MUSICAL THEATRE IN THE WEIMAR REPUBLIC: IDENTITIES AND CREATIVE FREEDOM	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	2	351		AN APPLE A DAY	08/14/2023	3		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDH	2	402		YOUTH SUBCULTURES	05/27/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDH	2	602		US AND THEM: NAVIGATING DISAGREEMENTS IN A POLARIZED SOCIETY	08/15/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	108		RADICAL VISIONS OF FREEDOM	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	113		AMERICA ABROAD	06/27/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	114		APPROPRIATING THE PAST: THE USE AND ABUSE OF THE ANCIENT WORLD IN MODERN SOCIETIES	07/08/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	117		SOCIAL (IN)EQUALITIES: SOCIAL CONSTRUCTION OF DIFFERENCE AND INEQUALITIES	05/27/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	119		TRUTH, JUSTICE, AND THE AMERICAN WAY? ETHICS, RELIGION, AND SUPERHEROES	08/15/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	131		CITY IN CINEMA: VISUAL STORIES OF/THROUGH URBAN SPACE	01/05/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	140		FREEDOM AND RELIGION: MUSLIM AND LIBERAL PERSPECTIVES	08/15/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	401		EVERYDAY LIFE: TIME/SPACE/POWER	05/27/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	402		YOUTH SUBCULTURES	08/12/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	403		FEMINISM AND GLOBALIZATION	08/15/2022	3		Humanities, Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	404		ENVIRONMENTAL JUSTICE	05/27/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	420		ALIENATING HISTORY: ANCIENT ALIENS, PSEUDOARCHAEOLOGY, AND HISTORICAL INQUIRY	11/29/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	421		HISTORIC LANDSCAPES, IMAGINED WORLDS: ANCIENT HISTORY THROUGH GAMING	05/04/2023	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	430		GLOBAL INEQUALITIES: THE LOCAL AND THE GLOBAL IN THE MODERN WORLD-SYSTEM	06/08/2023	3		Humanities, Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	702		BECOMING AND BEING LEADERS: MOTIVATING SELF AND OTHERS	05/27/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1	We previously indicated that this course should not be retained.	Active
FLORIDA STATE UNIVERSITY	IDS	2	108		MAKING GOOD DECISIONS: HOW TO GET THE MOST OUT OF YOUR MONEY AND LIFE	06/07/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	113		KNOW THYSELF: A PHILOSOPHICAL INVESTIGATION OF SELF-KNOWLEDGE	08/15/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	129		WHEN CULTURE AND BUSINESS COLLIDE: COMMUNICATION IN AN INTERNATIONAL CONTEXT	08/15/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1	will remove as active course	Active
FLORIDA STATE UNIVERSITY	IDS	2	156		ENVIRONMENT & SOCIETY	07/07/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	160		THE TOURIST TRAP: THE GOOD, THE BAD, AND THE UGLY	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	165		INTERCULTURAL COMMUNICATION, BUSINESS, AND SUSTAINABILITY: WRITING FOR GREEN EVERYWHERE	08/17/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1	will remove as active course	Active
FLORIDA STATE UNIVERSITY	IDS	2	194		THE IMMIGRANT EXPERIENCE IN CONTEMPORARY AMERICA	12/14/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	274		GREEN CHEMISTRY IN A CHANGING WORLD	12/31/2019	3.00		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	292		COMMUNICATION AND DANCE	06/07/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	293		DANGEROUS LIAISONS: RAPE MYTHS AND VIOLENCE IN LITERATURE, THE ARTS AND MUSIC	08/17/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	316		WORLD WITHOUT GOD?	08/17/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	322		SEXUAL HEALTH IN THE MODERN WORLD	06/10/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	323		GENDERED BODIES OVER THE LIFE COURSE	06/10/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	339		EXPLORING THE BOUNDARIES BETWEEN US: EXPLORING RACIAL INEQUALITY IN THE U.S.G RACIAL INEQUALITY IN THE U.S.	06/10/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	372		ART MUSIC IN CONTEMPORARY SOCIETY	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	373		FROM BALLET TO BEYONCE: GENDER AND THE BODY IN DANCE AND POP CULTURE	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	374		THEORY AND PRACTICE OF THE ENCOUNTER	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	381		CHEMISTRY IN ART: FROM POTTERY TO FORGERY	08/15/2023	3		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	390		PUBLIC OPINION AND AMERICAN DEMOCRACY	06/13/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	381		WHY IS GOOD POLITICS NOT GOOD ECONOMICS?	06/14/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	394		MAKING BABIES, MAKING FAMILIES: ADOPTION AND SURROGACY IN LITERATURE, FILM, AND PUBLIC DEBATE	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	400		UNDERSTANDING UNCERTAINTY: GAMES OF SKILL AND CHANCE	01/10/2022	3		Math	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	401		PERSONALLY RELEVANT MATHEMATICS	01/12/2022	3		Math	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	402		MATHEMATICS FOR CIVIC ENGAGEMENT	05/12/2022	3		Math	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	403		CREATIVE INQUIRY	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	410		CITIZENSHIP AND DEBATE: MODELS FROM THE ANCIENT WORLD	07/07/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	412		(RE)IMAGINING FLORIDA: FROM SPANISH COLONIALISM TO TODAY	07/07/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	413		FIGHT THE POWER: PROTESTING WITH SONG IN AMERICA, 20TH CENTURY VS. 21ST CENTURY	07/07/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	414		MAKING CHIEF OSCEOLA	07/07/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	417		DEFINING MOMENTS & IDENTITIES: FROM THE PERSIAN WARS TO SEPTEMBER 11TH	07/07/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued

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FLORIDA STATE UNIVERSITY	IDS	2	418		EMPIRE AND REVOLUTION IN COLD WAR LATIN AMERICA	07/07/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	419		CULTURES OF MEDICINE	07/12/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	432		POLITICAL PARTICIPATION IN THE 21ST CENTURY: FROM INDIGENOUS COMMUNITIES TO ON-LINE DEMOCRACY	06/14/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	451		FROM PAGE TO SCREEN: THE ART AND POLITICS OF ADAPTATION	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	452		DOCUMENTARY FILM: HISTORY, THEORY AND PRACTICE	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	456		WHO IS HUMAN? CULTURE, GENDER, AND HUMAN RIGHTS	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	462		HUMAN NATURE: MODERN AND CONTEMPORARY PERSPECTIVES	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	463		WRITING/S ABOUT MUSIC	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	472		FRESHMAN SEMINAR	06/14/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	490		SOCIAL RESPONSIBILITY (RHETORICALLY SPEAKING)	08/19/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDS	2	510		QUESTIONING WHAT WE KNOW: TEACHING AND LEARNING MATHEMATICS AND SCIENCE IN THE 21ST CENTURY	08/19/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	511		21ST CENTURY LITERACIES	06/15/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	611		CLASSICAL PHILOSOPHY OF INDIA	08/19/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	634		INFORMATION LITERACY AND SOCIETY	06/15/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	660		SEEING SOUND, HEARING PICTURES, THE INTERACTION OF MUSIC AND PHOTOGRAPHY	01/10/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	676		UNDERSTANDING AMERICA: HEMINGWAY IN A WORLD OF DISCREDITED VALUES AND TRADITIONS	01/10/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	681		DIGITAL MICROHISTORY LAB	05/03/2023	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	683		LIFE WITH GOOGLE: THE UNINTENDED CONSEQUENCES OF INFORMATION TECHNOLOGY	06/15/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	137		POLITICS OF REPRODUCTION	06/15/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	140		TECHNOLOGIES OF MEMORY FROM ANCIENT GREECE TO TODAY	01/10/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	168		WALT DISNEY'S AMERICA	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	193		ANCIENT SEXUALITIES AND MODERN SEXUAL POLITICS	07/12/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	3	232		LIVING GREEN. THEORY TO ACTION	08/14/2023	3		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	IDS	3	305		MUSIC AND LITERATURE	01/10/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	IDS	3	317		DEMONS, THE ANTICHRIST AND SATAN	04/13/2023	3		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	3	320		HUMAN NATURE: THE WAR WITHIN	01/10/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	365		GLOBAL CONFLICTS: ANALYSIS AND RESOLUTION	06/15/2022	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	3	392		JUST TORTURE	08/23/2022	3		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	IDS	3	434		HOW HOUSES BUILD PEOPLE: ANCIENT AND MODERN DOMESTIC LIFE	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	458		LIONS AND TIGERS AND BEARS, OH MY! MULTICULTURAL DIMENSIONS OF AMERICAN CINEMA	01/10/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	466		INDIA THROUGH BOLLYWOOD FILM	01/10/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	648		BEEHOVEN IN AMERICA	12/15/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	685		PROMOTING ART ETHICALLY IN SOCIAL MEDIA: SEPARATING TRUTH FROM FICTION	08/07/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	INS	2	912		DEVELOPING GLOBAL CITIZENS: GLOBAL ISSUES IN THEORY AND PRACTICE	08/07/2023	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ISC	2	003		GLOBAL CHANGE, ITS SCIENTIFIC AND HUMAN DIMENSIONS	01/01/1992	3.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	ISC	2	937		NATURAL SCIENCE HONORS SEMINAR	04/01/2016	3.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	ISC	3	063	L	SCIENTIFIC UNDERWATER INVESTIGATION LABORATORY	01/26/2022	1		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ISS	2	937		SOCIAL SCIENCE HONORS SEMINAR	04/01/2016	3.0		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	JPT	3	391		JAPANESE FILM AND CULTURE	12/06/2004	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	LIT	2	010		INTRODUCTION TO FICTION	02/01/2007	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	LIT	2	020		INTRODUCTION TO THE SHORT STORY	01/01/1981	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	5		Discontinued
FLORIDA STATE UNIVERSITY	LIT	2	030		INTRODUCTION TO POETRY	02/01/2007	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	LIT	2	081		CONTEMPORARY LITERATURE	01/01/1981	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	LIT	2	230		INTRODUCTION TO GLOBAL LITERATURE IN ENGLISH	08/01/2005	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	MAC	1	147		PRECALCULUS ALGEBRA/TRIGONOMETRY	05/26/2022	5.0	Math	Math	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	29		Active
FLORIDA STATE UNIVERSITY	MET	1	010	L	INTRODUCTORY METEOROLOGY LABORATORY	08/01/1996	1.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	MET	2	101		PHYSICAL CLIMATOLOGY	08/13/2003	3.0		Natural Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	MET	2	700		GENERAL METEOROLOGY	05/01/2000	3.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	MET	3	101		PHYSICAL CLIMATOLOGY	12/03/2021	3.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	MGF	1	214		ENVIRONMENTAL MATHEMATICS	08/01/1996	3.0	Math	Math	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	MUH	2	011		INTRODUCTION TO MUS HIST/MUSIC APPREC	04/12/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Discontinued
FLORIDA STATE UNIVERSITY	MUH	2	012		MUS IN WESTERN CULTURE. 19TH & 20TH CENT	05/01/1981	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	MUH	2	052		RITUAL & ART MUSIC OF NONWEST WLD	08/01/1987	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued



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FLORIDA STATE UNIVERSITY	MUT	1	001		FUNDAMENTALS OF MUSIC THEORY	08/01/1999	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	26		Active
FLORIDA STATE UNIVERSITY	MUT	1	011		MUSIC THEORY FOR NON MAJORS I	04/06/1998	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	PAD	3	223		SOCIAL ENTREPRENEURSHIP AND INNOVATION	04/30/2020	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	8		Discontinued
FLORIDA STATE UNIVERSITY	PHH	3	130		PLATO AND HIS PREDECESSORS	12/19/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHH	3	140		ARISTOTLE TO AUGUSTINE	12/19/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHH	3	400		MODERN PHILOSOPHY	12/19/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	PHI	3	130		INTRODUCTION TO SYMBOLIC LOGIC	08/01/2001	3.0		Math	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	PHI	3	162		LOGIC AND THE LAW	01/31/2012	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHI	3	400		HISTORY AND PHILOSOPHY OF SCIENCE	04/01/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	PHI	3	800		PHILOSOPHY OF THE ARTS	04/01/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	8		Active
FLORIDA STATE UNIVERSITY	PHI	3	882		PHILOSOPHY IN LITERATURE	04/01/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	PHM	2	121		PHILOSOPHY OF RACE, CLASS, AND GENDER	08/24/2022	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHM	3	020		PHILOSOPHY OF SEX	03/27/2013	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	PHM	3	123		PHILOSOPHY OF FEMINISM	04/01/2016	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	PHM	3	351		PHILOSOPHY OF HUMAN RIGHTS	03/27/2013	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHY	1	075	C	PHYSICS OF LIGHT AND SOUND	01/01/2003	4.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHY	2	054	C	COLLEGE PHYSICS B	08/30/1997	4.0		Natural Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	17		Active
FLORIDA STATE UNIVERSITY	PJP	3	002		INTRODUCTION TO PUBLIC POLICY	08/01/1986	3.0		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	REL	2	243		INTRO TO NEW TESTAMENT	08/01/1990	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	REL	3	054		CRITICS OF RELIGION	04/25/2008	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	REL	3	128		TOPICS IN RELIGION IN THE AMERICAS	07/12/2022	3.0		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	3	155		PSYCHOLOGY IN AMERICAN RELIGIOUS HISTORY	09/22/2014	3		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	0		Discontinued
FLORIDA STATE UNIVERSITY	REL	3	293		TOPICS IN BIBLICAL STUDIES	01/19/2024	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	3	493		RELIGION AND SCIENCE	05/19/2005	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	REL	3	493		RELIGION, PRISONS & ABOLITION	10/10/2023	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	3	600		THE JEWISH TRADITION	08/01/1986	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	2		Discontinued
FLORIDA STATE UNIVERSITY	REL	3	935		TOPICS IN BUDDHISM	01/19/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	3	936		RELIGION: SPECIAL TOPICS	01/19/2024	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	7		Active
FLORIDA STATE UNIVERSITY	REL	4	366		SEMINAR ON SHITTE ISLAM	01/19/2024	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	4	393		ISLAM IN NORTH AMERICA	01/19/2024	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	SLL	3	500		SLAVIC CULTURE AND CIVILIZATION	08/01/2003	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SOP	3	004		SOCIAL PSYCHOLOGY	08/01/1996	3.0		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	10		Active
FLORIDA STATE UNIVERSITY	SOW	3	933		SEMINAR IN GLOBAL SOCIAL WORK ETHICS	08/24/2022	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SPW	3	391		HISPANIC CINEMA	08/01/2002	3.0		Humanities	Reviewed: Removed from General Education	Not Applicable	Not Applicable	2		Discontinued
FLORIDA STATE UNIVERSITY	STA	1	220		IN MY OPINION: INTRODUCTION TO DESIGNING, CONDUCTING AND ANALYZING SURVEYS	05/13/2022	3		Math	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SYD	2	740		SOCIOLOGY OF LAW AND HISPANICS	06/15/2022	3		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SYD	3	020		POPULATION AND SOCIETY	08/01/1993	3.0		Social Sciences	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	TUT	3	003		TURKISH CULTURE AND CIVILIZATION	10/26/2012	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	TUT	3	063		TURKISH CINEMA	10/26/2012	3		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	WOH	1	023		THE MODERN WORLD TO 1815	08/10/1983	3.0		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	3		Discontinued
FLORIDA STATE UNIVERSITY	WOH	1	030		THE MODERN WORLD SINCE 1815	08/10/1983	3.0		Social Sciences	Reviewed: Removed from General Education	Not Applicable	Not Applicable	5		Discontinued
FLORIDA STATE UNIVERSITY	WST	3	251		WOMEN IN WESTERN CULTURE/IMAGES & REAL.	01/01/1987	3.0		Humanities	Reviewed: Removed from General Education	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	AMH	2	010		A HISTORY OF THE UNITED STATES	08/01/1993	3.0	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	SCNS	Active
FLORIDA STATE UNIVERSITY	AMH	2	020		A HISTORY OF THE UNITED STATES SINCE 1877	10/07/2022	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	40	SCNS	Active
FLORIDA STATE UNIVERSITY	ANT	2	000		INTRODUCTION TO ANTHROPOLOGY	06/20/2023	3	Social Sciences	Social Sciences	Reviewed: Updated	General Education (Core)	Course Description	30	SCNS	Active
FLORIDA STATE UNIVERSITY	ARH	2	000		ART, ARCHITECTURE, AND ARTISTIC VISION	02/15/2022	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	38	description and objectives changed to match SUS requirements	Active
FLORIDA STATE UNIVERSITY	ARH	3	572		HISTORY OF ISLAMIC ART	08/17/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ASN	3	822		TRADITIONS OF EAST ASIAN HUMANITIES	09/16/2019	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	AST	1	002		PLANETS, STARS, AND GALAXIES	08/26/2022	3	Natural Sciences	Natural Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	35	SCNS	Active
FLORIDA STATE UNIVERSITY	BSC	1	005		GENERAL BIOLOGY FOR NON-MAJORS	09/07/2018	3	Natural Sciences	Natural Sciences	Reviewed: Updated	General Education (Core)	Course Description	32	SCNS	Active
FLORIDA STATE UNIVERSITY	BSC	2	010		BIOLOGICAL SCIENCE I	08/26/2022	3	Natural Sciences	Natural Sciences	Reviewed: Updated	General Education (Core)	Course Description	26	SCNS	Active
FLORIDA STATE UNIVERSITY	BSC	2	085		ANATOMY AND PHYSIOLOGY I	08/26/2022	3	Natural Sciences	Natural Sciences	Reviewed: Updated	General Education (Core)	Course Description	24	SCNS	Active
FLORIDA STATE UNIVERSITY	CCJ	3	484		ETHICS IN POLICING AND INTELLIGENCE	07/13/2022	3		Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Other Changes	1	Please update the Gen Ed requirement to Social Sciences	Active
FLORIDA STATE UNIVERSITY	CHM	1	020	C	CHEMISTRY FOR LIBERAL STUDIES	05/03/2023	4	Natural Sciences	Natural Sciences	Reviewed: Updated	General Education (Core)	Course Description	6	SCNS	Active
FLORIDA STATE UNIVERSITY	CHM	1	045		GENERAL CHEMISTRY I	08/26/2022	3	Natural Sciences	Natural Sciences	Reviewed: Updated	General Education (Core)	Course Description	30	SCNS	Active
FLORIDA STATE UNIVERSITY	CHM	1	045		GENERAL CHEMISTRY I	09/01/1987	3.0		Natural Sciences	Reviewed: Updated	General Education (Core)	Course Description	30	SCNS	Discontinued
FLORIDA STATE UNIVERSITY	CJE	3	648		CRIME SCENE PROFESSIONALISM	08/08/2022	3		Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Other Changes	2	Please update the Gen Ed requirement to Social Sciences	Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	CLA	2	010		PEOPLES OF THE ROMAN WORLD	06/20/2022	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	1		Active
FLORIDA STATE UNIVERSITY	DAN	2	100		INTRODUCTION TO HISTORY AND APPRECIATION OF DANCE	08/01/1986	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	13	Name change	Active
FLORIDA STATE UNIVERSITY	DAN	3	144		CULTURAL PERSPECTIVE ON DANCE	02/01/2016	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1	Name change	Active
FLORIDA STATE UNIVERSITY	DAN	3	145		BALLET HISTORY	08/01/2013	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1	Name change	Active
FLORIDA STATE UNIVERSITY	ECO	2	013		PRINCIPLES OF MACROECONOMICS	10/07/2022	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	SCNS	Active
FLORIDA STATE UNIVERSITY	ENG	1	101		FRESHMAN COMPOSITION AND RHETORIC	04/27/2022	3	Communications	Communications	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	SCNS	Active
FLORIDA STATE UNIVERSITY	ENG	3	116		THE DOCUMENTARY FILM	08/17/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ESC	1	000		INTRODUCTORY EARTH SCIENCE	10/05/2022	3	Natural Sciences	Natural Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	25	SCNS	Active
FLORIDA STATE UNIVERSITY	EVR	1	001		INTRODUCTION TO ENVIRONMENTAL SCIENCE	10/07/2022	3	Natural Sciences	Natural Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	28	SCNS	Active
FLORIDA STATE UNIVERSITY	FIL	3	363		DOCUMENTARY FILMMAKING	08/01/2006	3-6		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	2	Completed in SCNS	Active
FLORIDA STATE UNIVERSITY	FOW	2	100		LITERATURE AND THE WORLD: AN INVITATION TO READING ACROSS MODERN LANGUAGES	08/03/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	FOW	3	240		LITERATURE AND SEXUALITY	08/01/1992	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	FRT	3	140		MASTERWORKS OF FRENCH LITERATURE IN TRANSLATION	08/08/2022	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	4		Active
FLORIDA STATE UNIVERSITY	FRT	3	561		FRENCH WOMEN WRITERS	08/01/2000	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	2		Active
FLORIDA STATE UNIVERSITY	GET	3	524		GERMAN CINEMA	08/02/2016	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	GLY	2	010	C	PHYSICAL GEOLOGY	10/10/2023	4.0		Natural Sciences	Reviewed: Updated	General Education (Institution)	Course Level	13	SCNS	Active
FLORIDA STATE UNIVERSITY	HUM	2	020		THE ART OF BEING HUMAN: EXAMINING THE HUMAN CONDITION THROUGH LITERATURE, ART AND FILM	10/07/2022	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	36	SCNS	Active
FLORIDA STATE UNIVERSITY	HUM	3	321		MULTICULTURAL DIMENSIONS OF FILM AND 20TH-CENTURY CULTURE	08/01/1995	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	450		IN THE FOOTSTEPS OF THE ANCIENTS: ROMAN BRITAIN				Social Sciences	Reviewed: Updated	General Education (Institution)	Not Applicable		New course in SCNS	Active
FLORIDA STATE UNIVERSITY	IDH	3	603		VIRTUE, FILM, AND THE GOOD LIFE TODAY		3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1	New course in SCNS	New
FLORIDA STATE UNIVERSITY	IDS	2	170		MUSIC IN THE WORLD	12/14/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	173		A SOCIAL HISTORY OF AMERICA'S POPULAR MUSIC	12/14/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	371		MUSIC AND CULTURE IN LONDON	12/15/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	375		THIRD WORLD CINEMA	08/19/2022	3		Humanities	Reviewed: Updated	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	461		MUSIC AND INTERNATIONAL HUMAN RIGHTS	08/19/2022	3		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	492		SPORT: PLACE, COMPETITION, AND FAIRNESS	08/07/2023	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Discipline/Subject Area	1	Move to Social Sciences	Active
FLORIDA STATE UNIVERSITY	IDS	2	672		MUSIC AND FILM	12/15/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	415		GUNS, DRUGS, AND SLAVES: THE HISTORY OF TRAFFICKING IN THE MODERN WORLD	07/12/2022	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	430		SOCIOLOGY OF HIP HOP CULTURE	06/15/2022	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	450		THROUGH AN ARABIC LENS: THE INTERSECTION OF FILM AND CULTURE	01/10/2024	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	ITT	3	430		MASTERPIECES OF ITALIAN LITERATURE IN TRANSLATION	09/01/1983	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	ITT	3	523		ITALIAN CINEMA	08/01/2008	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	LAH	1	093		LATIN AMERICA: A CROSS-CULTURAL HISTORY	01/01/1992	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes	2		Active
FLORIDA STATE UNIVERSITY	LIT	2	000		INTRODUCTION TO LITERATURE	10/07/2022	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Not Applicable	34	SCNS	Active
FLORIDA STATE UNIVERSITY	LIT	3	622		ECO-LIT/ECO-CRIT	12/15/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	MAC	1	105		COLLEGE ALGEBRA	10/07/2022	3	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	37	SCNS	Active
FLORIDA STATE UNIVERSITY	MAC	2	311		CALCULUS WITH ANALYTIC GEOMETRY I	10/07/2022	4	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	38	SCNS	Active
FLORIDA STATE UNIVERSITY	MUH	2	019		MODERN POPULAR MUSIC	08/01/1997	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	6		Active
FLORIDA STATE UNIVERSITY	MUH	2	051		MUSIC OF TRIBAL & FOLK CULTURES	04/12/2016	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	4		Active
FLORIDA STATE UNIVERSITY	MUH	2	512		MUSIC IN WORLD CULTURES (MUSIC MAJORS)	12/15/2023	2.0		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	2		Active
FLORIDA STATE UNIVERSITY	MUH	3	053		AMERICAN ROOTS MUSIC	01/01/2005	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	2		Active
FLORIDA STATE UNIVERSITY	MUH	3	211		SURVEY OF MUSIC HISTORY: ANTIQUITY TO 1750	07/12/2022	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	9		Active
FLORIDA STATE UNIVERSITY	MUH	3	212		SURVEY OF MUSIC HISTORY: 1750 TO PRESENT	07/12/2022	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	9		Active
FLORIDA STATE UNIVERSITY	MUL	2	010		MUSIC LITERATURE, LISTENING AND UNDERSTANDING	10/07/2022	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	37		Active
FLORIDA STATE UNIVERSITY	MUT	1	005		THE ART OF SONGWRITING	12/15/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1	Description and Objectives	Active
FLORIDA STATE UNIVERSITY	MUT	2	116		MUSIC THEORY III	12/15/2023	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	26		Active
FLORIDA STATE UNIVERSITY	MUT	2	117		MUSIC THEORY IV	12/15/2023	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Course Description	26		Active
FLORIDA STATE UNIVERSITY	OCE	1	001		ELEMENTARY OCEANOGRAPHY	12/01/2000	3.0		Natural Sciences	Reviewed: Updated	General Education (Institution)	Course Description	24	SCNS	Active
FLORIDA STATE UNIVERSITY	PHI	2	010		INTRODUCTION TO PHILOSOPHY	12/10/2019	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	38	SCNS	Active
FLORIDA STATE UNIVERSITY	PHI	2	635		BIOETHICS	06/15/2020	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	7		Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	PHY	1	020		PHYSICS AND TECHNOLOGY FOR FUTURE PRESIDENTS	10/07/2022	3	Natural Sciences	Natural Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	23	SCNS	Active
FLORIDA STATE UNIVERSITY	PHY	2	048	C	GENERAL PHYSICS A	05/11/2022	5	Natural Sciences	Natural Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	18	SCNS	Active
FLORIDA STATE UNIVERSITY	PHY	2	053	C	COLLEGE PHYSICS A	10/07/2022	4	Natural Sciences	Natural Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	17	SCNS	Active
FLORIDA STATE UNIVERSITY	POS	1	041		AMERICAN NATIONAL GOVERNMENT	10/07/2022	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	40	SCNS	Active
FLORIDA STATE UNIVERSITY	PSY	2	012		GENERAL PSYCHOLOGY	10/07/2022	3	Social Sciences	Social Sciences	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	SCNS	Active
FLORIDA STATE UNIVERSITY	REL	2	122		CULTURE WARS	12/01/2023	3		Social Sciences	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	REL	2	315		RELIGIONS OF SOUTH ASIA	01/01/1999	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	4		Active
FLORIDA STATE UNIVERSITY	REL	2	350		RELIGIONS OF EAST ASIA	12/15/2023	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	REL	3	152		RELIGION, RACE, AND ETHNICITY	03/21/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	2		Active
FLORIDA STATE UNIVERSITY	REL	3	322		RELIGIONS OF THE GREEK AND ROMAN WORLD	02/09/2023	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	REL	3	333		RAMAYANA IN INDIAN CULTURE AND BEYOND	01/19/2024	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	3		Active
FLORIDA STATE UNIVERSITY	REL	3	337		GODDESSES, WOMEN, AND POWER IN HINDUISM	01/19/2024	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	2		Active
FLORIDA STATE UNIVERSITY	REL	3	340		THE BUDDHIST TRADITION	01/19/2024	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	4		Active
FLORIDA STATE UNIVERSITY	REL	3	345		CHAN ZEN BUDDHISM	01/19/2024	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	3		Active
FLORIDA STATE UNIVERSITY	REL	3	346		BUDDHIST ETHICS	11/03/2022	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	REL	3	348		BUDDHISM AND THE MYTHOLOGY OF EVIL	12/20/2022	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	REL	3	351		JAPANESE RELIGIONS	01/19/2024	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	2		Active
FLORIDA STATE UNIVERSITY	REL	3	358		TIBETAN AND HIMALAYAN RELIGIONS	01/19/2024	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	REL	3	363		ISLAMIC TRADITIONS	01/19/2024	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	3		Active
FLORIDA STATE UNIVERSITY	REL	3	367		ISLAMIC TRADITIONS II: ISLAM UP TO THE MODERN WORLD	01/19/2024	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	4		Active
FLORIDA STATE UNIVERSITY	REL	3	370		RELIGION IN AFRICA	01/19/2024	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	4		Active
FLORIDA STATE UNIVERSITY	REL	3	484		NEW RELIGIOUS MOVEMENTS	11/11/2019	3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	1		Active
FLORIDA STATE UNIVERSITY	REL	3	607		THE JEWISH TRADITION	01/19/2024	3.0		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	2		Active
FLORIDA STATE UNIVERSITY	REL		3	623	JEWISH ETHICS		3		Humanities	Reviewed: Updated	General Education (Institution)	Other Changes	2	New course in SCNS	New
FLORIDA STATE UNIVERSITY	STA	2	023		FUNDAMENTAL BUSINESS STATISTICS	08/24/2022	3	Math	Math	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	39	SCNS	Active
FLORIDA STATE UNIVERSITY	SYD	3	800		SOCIOLOGY OF SEX AND GENDER	06/15/2022	3.0		Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	9		Active
FLORIDA STATE UNIVERSITY	SYG	1	000		INTRODUCTORY SOCIOLOGY	10/07/2022	3	Social Sciences	Social Sciences	Reviewed: Updated	General Education (Institution)	Course Description	38		Active
FLORIDA STATE UNIVERSITY	THE	2	000		INTRODUCTION TO THEATRE	10/07/2022	3	Humanities	Humanities	Reviewed: Updated	Both General Education (Core/Institution)	Course Description	36	description and objectives changed to match SUS requirements	Active
FLORIDA STATE UNIVERSITY	AMH	2	091		THE AFRICAN AMERICAN EXPERIENCE IN THE UNITED STAT	08/01/2014	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	19		Active
FLORIDA STATE UNIVERSITY	AMH	2	095		THE AMERICAN INDIANS AND THE UNITED STATES	08/01/1996	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	AMH	2	097		THE HISTORY OF IMMIGRATION TO THE UNITED STATES	07/11/2023	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	AMH	2	583		THE SEMINOLES AND THE SOUTHEASTERN INDIANS	06/20/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	AMH	3	632		ENVIRONMENTAL POLICY: TWENTIETH CENTURY AND BEYOND	05/23/2023	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	AML	3	311		MAJOR FIGURES IN AMERICAN LITERATURE	01/01/1981	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	ANT	2	100		INTRODUCTION TO ARCHAEOLOGY	04/25/2008	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	10		Active
FLORIDA STATE UNIVERSITY	ANT	2	100	L	INTRODUCTION TO ARCHAEOLOGY LABORATORY	04/25/2008	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ANT	2	301		EVOLUTION OF HUMAN SEXUALITY	06/19/2007	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	ANT	2	410		INTRODUCTION TO CULTURAL ANTHROPOLOGY	05/13/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	22		Active
FLORIDA STATE UNIVERSITY	ANT	2	416		CHILDHOOD AROUND THE WORLD	04/25/2008	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ANT	2	511		INTRODUCTION TO PHYSICAL ANTHROPOLOGY AND PREHISTORY	08/01/1996	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	16		Active
FLORIDA STATE UNIVERSITY	ANT	2	511	L	INTRODUCTION TO PHYSICAL ANTHROPOLOGY & PREHISTORY LABORATORY	09/01/2016	1.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	ANT	3	133		INTRODUCTION TO UNDERWATER ARCHAEOLOGY	06/20/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ANT	3	141		WORLD PREHISTORY	06/20/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	ANT	3	212		PEOPLES OF THE WORLD	08/01/1990	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	7		Active
FLORIDA STATE UNIVERSITY	ANT	3	405		ANTHROPOLOGY OF SPORT	05/11/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	ANT	4	241		ANTHROPOLOGY OF RELIGION	05/27/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	10		Active
FLORIDA STATE UNIVERSITY	ANT	4	468		BONES, BODIES, AND DISEASE	08/10/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	ARH	2	050		HISTORY AND CRITICISM OF ART I	08/01/2005	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	34		Active
FLORIDA STATE UNIVERSITY	ARH	2	051		HISTORY AND CRITICISM OF ART II	08/01/2005	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	33		Active
FLORIDA STATE UNIVERSITY	ARH	2	090		GREAT DISCOVERIES IN WORLD ARCHAEOLOGY	08/01/1996	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	ART	2	003	C	SURVEY OF STUDIO ART PRACTICES	08/01/1996	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ASH	1	044		MIDDLE EASTERN HISTORY AND CIVILIZATION	06/20/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	ASH	3	100		HISTORY OF ASIA	06/20/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ASH	3	230		MIDDLE EAST RESEARCH: AN INTERDISCIPLINARY SEMINAR	06/20/2022	3-6		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ASH	3	282		FROM KIMCHI TO K-POP: CELEBRATING THE HISTORY OF KOREA FROM PREHISTORIC TIMES TO THE PRESENT	06/20/2023	3		Humanities, Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ASH	3	402		CHINA BEFORE 1898	05/23/2023	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	AST	1	002	L	INTRODUCTORY ASTRONOMY LABORATORY	01/01/1988	1.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	14		Active
FLORIDA STATE UNIVERSITY	BSC	1	005	L	GENERAL BIOLOGY LABORATORY FOR NONMAJORS	08/01/1993	1.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	24		Active
FLORIDA STATE UNIVERSITY	BSC	2	010	L	BIOLOGICAL SCIENCE I LABORATORY	08/01/1997	1.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	26		Active
FLORIDA STATE UNIVERSITY	BSC	2	011		BIOLOGICAL SCIENCE II	11/04/2022	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	24		Active
FLORIDA STATE UNIVERSITY	BSC	2	011	L	BIOLOGICAL SCIENCE II LAB	11/29/2022	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	25		Active
FLORIDA STATE UNIVERSITY	BSC	2	085	L	ANATOMY & PHYSIOLOGY LAB I	08/15/2023	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	23		Active
FLORIDA STATE UNIVERSITY	CCJ	2	020		INTRODUCTION TO CRIMINAL JUSTICE	08/16/2021	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	30		Active
FLORIDA STATE UNIVERSITY	CCJ	3	011		CRIMINOLOGY	08/16/2021	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CHM	1	045	L	GENERAL CHEMISTRY I LABORATORY	05/03/2023	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	32		Active
FLORIDA STATE UNIVERSITY	CHM	1	046		GENERAL CHEMISTRY 11	09/01/1987	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	30		Discontinued
FLORIDA STATE UNIVERSITY	CHM	1	046		GENERAL CHEMISTRY II	08/01/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	30		Active
FLORIDA STATE UNIVERSITY	CHM	1	046	L	GENERAL CHEMISTRY II LABORATORY	11/03/2003	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	31		Active
FLORIDA STATE UNIVERSITY	CHM	1	050		HONORS GENERAL CHEMISTRY I	11/04/2022	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CHM	1	050	L	HONORS GENERAL CHEMISTRY I LABORATORY	09/01/1987	1.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CHM	1	051		HONORS GENERAL CHEMISTRY II	11/04/2022	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CHM	1	051	L	HONORS GENERAL CHEMISTRY II LABORATORY	09/01/1987	2.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CHM	1	082		KITCHEN CHEMISTRY	08/10/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CHM	1	582		CHEMISTRY IN ART: FROM POTTERY TO FORGERY	01/12/2022	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CHM	2	047		ONE-SEMESTER GENERAL CHEMISTRY	08/10/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CHM	3	217	L	ONE SEMESTER ORGANIC CHEMISTRY LABORATORY	08/10/2023	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CIS	3	250		ETHICS AND COMPUTER SCIENCE	08/08/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	CJE	3	652		FORENSIC SCIENCE IN THE CRIME LAB	08/10/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1	the natural sciences requirements work with the course as it is written	Active
FLORIDA STATE UNIVERSITY	CJE	3	652	L	FORENSIC SCIENCE IN THE CRIME LAB LABORATORY	03/24/2022	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1	the natural sciences requirements work with the course as it is written	Active
FLORIDA STATE UNIVERSITY	CJE	3	762		FORENSIC SCIENCE IN INVESTIGATION	03/24/2022	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1	the natural sciences requirements work with the course as it is written	Active
FLORIDA STATE UNIVERSITY	CJE	3	762	L	FORENSIC SCIENCE IN INVESTIGATION LABORATORY	08/10/2023	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1	the natural sciences requirements work with the course as it is written	Active
FLORIDA STATE UNIVERSITY	CLA	2	110		DEBATES ABOUT THE PAST: GREEK CIVILIZATION, HISTORY AND CULTURE	02/09/2023	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLA	2	123		DEBATES ABOUT THE PAST: ROMAN CIVILIZATION, HISTORY AND CULTURE	02/09/2023	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLA	2	810		ANCIENT SCIENCE FOR NON-SCIENCE MAJORS	01/19/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLA	3	430		HISTORY OF ANCIENT GREECE	06/27/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLA	3	440		HISTORY OF ANCIENT ROME	02/16/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLA	3	500		SPORTS IN ANTIQUITY: OLYMPIANS, GLADIATORS AND SUPERSTARS	08/17/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CLT	2	049		MEDICAL TERMINOLOGY	06/27/2022	3		Humanities, Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	CLT	3	370		CLASSICAL MYTHOLOGY	08/01/1984	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	CLT	3	378		ANCIENT MYTHOLOGY, EAST AND WEST	08/01/1991	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CLT	3	510		THE ANCIENT WORLD IN FILM	08/02/2016	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	CPO	2	002		INTRODUCTION TO COMPARATIVE GOVERNMENT AND POLITICS	01/22/2021	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	14		Active
FLORIDA STATE UNIVERSITY	CPO	3	303		POLITICS OF LATIN AMERICA	09/24/2004	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	7		Active
FLORIDA STATE UNIVERSITY	ECO	2	000		INTRODUCTION TO ECONOMICS	08/01/2000	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	9		Active
FLORIDA STATE UNIVERSITY	ECO	2	023		PRINCIPLES OF MICROECONOMICS	08/28/2000	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	39		Active
FLORIDA STATE UNIVERSITY	EGS	3	045		INTERDISCIPLINARY PERSPECTIVES ON THE GLOBAL GRAND CHALLENGES OF ENGINEERING	08/07/2023	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ENC	2	135		RESEARCH, GENRE, AND CONTEXT	04/28/2022	3		Communications	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	ENG	2	610		GRAPHIC NOVEL	02/04/2020	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ENG	3	803		HISTORY OF TEXT TECHNOLOGIES	03/15/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	ESC	1	000	L	EARTH SCIENCE LABORATORY	08/10/2023	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	11		Active
FLORIDA STATE UNIVERSITY	EUH	2	000		ANCIENT AND MEDIEVAL CIVILIZATIONS	07/06/2020	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	20		Active
FLORIDA STATE UNIVERSITY	EUH	2	314		SPAIN: PREHISTORY TO THE PRESENT	05/09/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	EUH	3	205		19TH-CENTURY EUROPE	06/27/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	EUH	3	206		20TH-CENTURY EUROPE: A SURVEY	06/27/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	EUH	3	295		WARS IN 20TH CENTURY EUROPE: FILM, EXPERIENCE, MEMORY	08/17/2023	3		Humanities, Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	EUH	3	316		THE SPANISH CIVIL WAR	01/20/2023	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	EUH	3	436		ITALY DURING WORLD WAR II	02/25/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	EUH	3	530		ENGLAND, THE EMPIRE AND THE COMMONWEALTH	06/27/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	EVR	1	001	L	INTRODUCTION TO ENVIRONMENTAL SCIENCE LABORATORY	05/18/2023	1		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	11		Active
FLORIDA STATE UNIVERSITY	FAD	2	230		FAMILY RELATIONSHIPS: A LIFE SPAN DEVELOPMENT APPROACH	08/01/1996	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	FIL	2	001		INTRO TO CINEMA STUDIES: ANALYSIS AND PRACTICE	11/06/2020	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	FIL	3	833	FIL	FILM STYLES	07/31/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	FRT	3	520		FRENCH CINEMA	08/01/2008	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	FRW	3	100		SURVEY OF FRENCH LITERATURE: ORIGINS THROUGH 18TH CENTURY	08/17/2023	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	FRW	3	101		SURVEY OF FRENCH LITERATURE: 19TH CENTURY THROUGH THE PRESENT	08/17/2023	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	GEA	1	000		WORLD GEOGRAPHY	08/01/1988	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	20		Active
FLORIDA STATE UNIVERSITY	GEA	4	405		LATIN AMERICA	05/27/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	GEO	1	330		ENVIRONMENTAL SCIENCE	08/01/2006	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	GEO	1	400		HUMAN GEOGRAPHY	08/01/1996	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	GEO	4	421		CULTURAL GEOGRAPHY	05/27/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	GET	3	130		MASTERPIECES OF GERMAN LIT IN TRANSL: 19&20TH CENT	04/27/1990	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	GLY	1	000		THE DYNAMIC EARTH	09/01/1980	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	GLY	1	000	L	THE DYNAMIC EARTH LABORATORY	09/01/1980	1.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	GLY	1	030		ENVIRONMENTAL ISSUES IN GEOLOGY	04/04/2016	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	GLY	1	102		DINOSAURS AND DISASTERS ON AN EVOLVING EARTH	08/01/1999	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	HIS	2	050		THE HISTORIAN'S CRAFT	10/07/2021	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Discontinued
FLORIDA STATE UNIVERSITY	HIS	2	370		INTERPRETING NATIVE AMERICA	06/27/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HIS	2	496		PANDEMICS AND PEOPLE	06/27/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HIS	3	051		THE HISTORIAN'S CRAFT	45292	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HIS	3	263		PIRATES AND PATRIOTS IN THE ATLANTIC WORLD	06/27/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HIS	3	464		HISTORY OF SCIENCE	06/27/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	HIS	3	491		MEDICINE AND SOCIETY	06/27/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	HIS	3	505		PERSPECTIVES ON SCIENCE AND MATHEMATICS	06/27/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HPS	3	320		SCREENING THE SCIENTIFIC LIFE: CINEMA AND CULTURAL IMAGE OF SCIENCE	08/08/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HUM	2	210		HUMANITIES: HOMER TO GOTHIC	08/01/2006	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	14		Active
FLORIDA STATE UNIVERSITY	HUM	2	235		HUMANITIES: FROM THE RENAISSANCE TO THE ENLIGHTENMENT	08/01/2002	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	HUM	2	250		HUMANITIES: 18TH-CENTURY ROMANTICISM TO POSTMODERNISM	04/30/1993	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	12		Active
FLORIDA STATE UNIVERSITY	HUM	2	742		WALKING IN LONDON	08/17/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HUM	3	123		IRISH CULTURE: AN INTRODUCTION	08/17/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	HUN	1	201		THE SCIENCE OF NUTRITION	08/01/1996	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	35		Active
FLORIDA STATE UNIVERSITY	IDH	3	118		UTOPIAS/DYSTOPIAS: AN HOMAGE TO SOCIAL DREAMING	10/07/2021	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDH	3	407		GLOBAL URBANIZATION: URBAN DIVERSITY AND CULTURE IN THE AGE OF GLOBALIZATION	05/11/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	132		BUSTING COMMON BIOLOGY MYTHS	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	133		TRILOBITES TO T. REX: HISTORY OF LIFE ON EARTH	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	134		EVOLUTION, MEDICINE AND EVIDENCE	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	135		GENETICS IN SOCIETY	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	136		BIOTECHNOLOGY: IMPACT OF LIFE SCIENCES ON SOCIETY	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	144		INFORMATION ETHICS FOR THE 21ST CENTURY	04/27/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	IDS	2	166		ART AS PROPAGANDA: THE IMPACT OF VISUAL AND PERFORMING ARTS ON WESTERN SOCIETY	12/14/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	IDS	2	180		DEAD CITIES	06/07/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	196		HISTORY OF AMERICAN POPULAR CULTURE, 1850-PRESENT	07/07/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	199		THE AMERICAN GI IN WAR AND PEACE IN WORLD WAR II	07/07/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	227		SUSTAINABLE SOCIETY	06/07/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	240		SUSTAINABLE FOOD & WATER: SOIL, ANIMALS, VEGETABLES & GRAIN	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	278		OCEAN SUSTAINABILITY	11/03/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	291		LANGUAGE BIRTH, LANGUAGE DEATH	12/14/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	335		CENTRAL AMERICAN CINEMA	12/14/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	341		RELATIONSHIP STATUS: IT'S COMPLICATED. UNDERSTANDING AND INFLUENCING INTIMATE RELATIONSHIPS	06/13/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1	Course content and objectives need updating	Active
FLORIDA STATE UNIVERSITY	IDS	2	342		NOAH'S FLOOD THROUGH THE AGES	12/14/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	370		FESTIVALS: ARTISANSHIP, SATIRE, AND FIRE	12/14/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	376		WHO DO THE BRITISH THINK THEY ARE?	07/07/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	393		THE HUNGER GAMES TRILOGY: COLLECTIVE ACTION AND SOCIAL MOVEMENTS	06/14/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	411		THE ITALIAN MAFIA FROM CORLEONE TO THE GLOBALIZED WORLD	07/07/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	420		HERETICS, REBELS AND MILITANTS IN THE ISLAMIC WORLD	07/12/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	431		THINKING BEYOND OURSELVES: GLOBAL PERSPECTIVES	06/14/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	436		CONTEMPORARY BEHAVIORAL AND SUBSTANCE ADDICTIONS	08/07/2023	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	453		REALITY AND ILLUSION IN WORLD CINEMA	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	454		FANTASY GIRLS: PHILOSOPHICAL EXAMINATIONS OF WOMEN AND GIRLS IN FANTASY AND SCIENCE FICTION	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	455		THE ROLE OF THE PUBLIC INTELLECTUAL	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	460		GLOBAL & INTERCULTURAL COMMUNICATION	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	464		CROSSING THE ATLANTIC: LORCA IN AMERICA. HEMINGWAY IN SPAIN	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	465		TO WORK, LEARN, OR PLAY? THE ROLE OF THE CHILD IN BRITISH FICTION 1830-1914	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	467		INTERDISCIPLINARY EXPLORATIONS IN GERMAN CULTURE	05/27/2020	3.00		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	470		THE ECOLOGY OF FOOD	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	471		GLACIERS, GEYSERS AND GLADES: EXPLORING US NATIONAL PARKS	06/14/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	473		PUTTING SCIENCE INTO ACTION: FIELD METHODS IN PLANT ECOLOGY	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	491		COMMUNICATION MATTERS - PERSONAL RESPONSIBILITY IN PUBLIC SPEAKING	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	650		THINKING ABOUT LANGUAGE: HOW COGNITION AND LANGUAGE INTERACT	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	651		LANAGUAGE: BODY, MIND, AND WORLD	06/15/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	673		POPULAR MUSIC IN LITERATURE	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	674		ANIMATION AND IDENTITY	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	675		PHILOSOPHY AND FILM	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	677		FEMALE FRIENDSHIP ALLIANCES IN SHAKESPEARE	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1	the new humanities requirements will work for the course as it is written	Active
FLORIDA STATE UNIVERSITY	IDS	2	679		NEED AND GREED (IS MONEY THE ROOT OF ALL EVIL?)	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	680		READING, WRITING AND SPEAKING IN THE DIGITAL AGE	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	164		MEDIA, CULTURE AND THE ENVIRONMENT	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	167		CONTEMPORARY ART AS A MIRROR	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	169		ART AND THE ENVIRONMENT	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	179		ETHICS THROUGH ART	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	188		GERMAN SOCIETY THROUGH FILM: THE LEGACY OF NAZI CRIMES AGAINST HUMANITY	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	195		VISTAS ON FLORENCE: FROM DANTE TO THE BIG FLOOD OF 1966	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	197		RESPONSES TO THE HOLOCAUST	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	IDS	3	198		TERRORISM IN HISTORICAL PERSPECTIVE	07/12/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	303		THE ANIMAL IN ANCIENT AND MODERN THOUGHT	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	312		ROBOTS, MONSTERS, AVATARS: TECHNOLOGY AND THE (POST-)HUMAN CONDITION	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	326		UNDERSTANDING RELIGION: UNDERSTANDING PEOPLE	08/19/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	330		THE CULTURE IS IN THE CUISINE: THE FOOD OF ITALY	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	IDS	3	336		GREAT BRITAIN? GEOGRAPHY, IMPERIALISM, INDUSTRY AND CULTURE	06/15/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	IDS	3	340		WHO OWNS THE PAST: PERSPECTIVES ON ETHICS IN ANTHROPOLOGY	08/23/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	343		BOOMERS AND MILLENNIALS: CHANGING GENERATIONS	06/15/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	358		MAKING THE ARGUMENT: SYMBOLIC LOGIC AND THE FORMS OF GOOD REASONING	05/12/2022	3		Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	364		YESSES AND NOES: THE ETHICS OF CONSENT	08/23/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	416		ETHICS AND EMPIRE IN THE ROMAN WORLD	07/12/2022	3		Humanities, Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	433		MODERN DEATH	06/16/2022	3		Humanities, Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	435		'PLEASE PLEASE ME': ANGLO-AMERICAN YOUTH CULTURE FROM THE 1950S TO THE PRESENT	06/15/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	457		THE REEL MIDDLE AGES: MEDIEVAL LITERATURE AND FILM	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	459		CINEMA GONE GLOBAL	01/10/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	495		SPORT: CONSCIENCE MEETS COMMERCE	08/23/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	512		EXAMINING THE EDUCATIONAL ACHIEVEMENT GAP: SCIENCE FICTION, DYSTOPIA, FATE, AND THE PROBLEM OF EVIL	06/15/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	671			12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	678		APOCALYPSE: THE END OF THE WORLD IN THE ARTS	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	683		LIFE WITH GOOGLE: THE UNINTENDED CONSEQUENCES OF INFORMATION TECHNOLOGY	12/06/2021	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	3	700		BROKEN CLOCKS AND DISRUPTED SLEEP: IMPACTS OF TECHNOLOGY	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IHS	3	126		COMICS AND MEDICINE	10/10/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IND	2	219		DESIGN AND THE HUMAN EXPERIENCE	12/15/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	INR	2	002		INTRODUCTION TO INTERNATIONAL RELATIONS	04/05/2021	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	28		Active
FLORIDA STATE UNIVERSITY	ISC	1	057		COMPUTATIONAL THINKING	05/12/2022	3		Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ISC	3	063		SCIENTIFIC UNDERWATER INVESTIGATION	08/03/2019	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1	the natural sciences requirements work with the course as it is written	Active
FLORIDA STATE UNIVERSITY	ISC	3	523	C	RESEARCH METHODS	10/05/2022	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	ITT	3	114		DANTE'S INFERNO	08/07/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ITT	3	500		ITALIAN CULTURE AND CIVILIZATION:ORIGIN TO ROMANCE	08/01/2003	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ITT	3	501		MODERN ITALIAN CULTURE: FROM THE UNIFICATION TO THE PRESENT	01/01/2004	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	ITT	3	520		THE ITALIAN-AMERICAN EXPERIENCE IN LITERATURE AND FILM	08/01/2003	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	LDR	3	200		LEADERSHIP AND ETHICS	08/23/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	LEI	2	318		EVENTS: LOVE THEM, THEN LEAVE THEM. WHATS MY FOOTPRINT?	09/22/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	LIN	2	004		WORLD LANGUAGES	05/23/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	LIN	3	053		INVENTED LANGUAGES	12/21/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	LIS	3	103		INFORMATION AND SOCIETY	06/15/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	LIT	3	024		PERSPECTIVES ON THE SHORT STORY	12/15/2023	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	LIT	3	383		WOMEN IN LITERATURE	01/01/1981	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	LIT	3	438		LITERATURE AND MEDICINE	08/07/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	MAC	1	114		ANALYTIC TRIGONOMETRY	05/26/2022	3	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	33		Active
FLORIDA STATE UNIVERSITY	MAC	1	140		PRECALCULUS ALGEBRA	05/26/2022	3.0	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	31		Active
FLORIDA STATE UNIVERSITY	MAC	2	233		CALCULUS FOR BUSINESS	01/19/2023	3.0	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	37		Active
FLORIDA STATE UNIVERSITY	MAC	2	312		CALCULUS WITH ANALYTIC GEOMETRY II	05/26/2022	4.0	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	38		Active
FLORIDA STATE UNIVERSITY	MAC	2	313		CALCULUS WITH ANALYTIC GEOMETRY III	05/26/2022	5.0	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	38		Active
FLORIDA STATE UNIVERSITY	MET	1	010		INTRODUCTION TO THE ATMOSPHERE	08/01/1996	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	18		Active
FLORIDA STATE UNIVERSITY	MET	1	050		NATURAL HAZARDS AND DISASTERS: FROM HURRICANES TO METEORITES	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	MGF	1	106		MATHEMATICS FOR LIBERAL ARTS I	08/24/2022	3	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	38		Active
FLORIDA STATE UNIVERSITY	MGF	1	107		TOPICS IN PRACTICAL FINITE MATHEMATICS	08/24/2022	3	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	37		Active
FLORIDA STATE UNIVERSITY	MGF	1	130		MATHEMATICAL THINKING	12/14/2023	3	Math	Math	Reviewed: No Updates	Both General Education (Core)/Institution	Not Applicable	9		Active
FLORIDA STATE UNIVERSITY	MUL	2	110		SURVEY OF MUSIC LITERATURE	08/01/1986	2.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	PAD	3	003		PUBLIC ADMINISTRAT. IN AMERICAN SOCIETY	08/23/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	13		Active
FLORIDA STATE UNIVERSITY	PAD	3	017		SOCIAL ENTREPRENEURSHIP AND INNOVATION	11/05/2021	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHI	2	100		REASONING AND CRITICAL THINKING	05/13/2022	3.0		Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	22		Active
FLORIDA STATE UNIVERSITY	PHI	2	620		ENVIRONMENTAL ETHICS	08/24/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	4		Active
FLORIDA STATE UNIVERSITY	PHI	2	630		ETHICAL ISSUES AND LIFE CHOICES	08/24/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	10		Active

Institution	Prefix	Level	Course Number	Lab	Course Title	Date of Last Update	Credit	General Ed Core	General Ed Requirements	Course Review Status	General Education Updates	Additional Updates	Total # Institutions Offering Course	Additional Updates Brief Notes	SCNS Course Status
FLORIDA STATE UNIVERSITY	PHM	2	300		INTRODUCTION TO POLITICAL PHILOSOPHY	08/24/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	PHY	1	020	L	FUNDAMENTALS OF PHYSICS LABORATORY	08/01/1987	1.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	PHY	1	102		APPLICATIONS OF MODERN PHYSICS RESEARCH	08/14/2023	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	PHY	2	049	C	GENERAL PHYSICS B	11/04/2022	5.0	Natural Sciences	Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	16		Active
FLORIDA STATE UNIVERSITY	PSB	2	000		INTRODUCTION TO BRAIN AND BEHAVIOR	08/01/1996	3.0		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	1	300		INTRODUCTION TO WORLD RELIGIONS	01/01/1999	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	33		Active
FLORIDA STATE UNIVERSITY	REL	2	121		RELIGION IN THE UNITED STATES	07/12/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	7		Active
FLORIDA STATE UNIVERSITY	REL	2	210		INTRO TO OLD TESTAMENT	03/03/1997	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	13		Active
FLORIDA STATE UNIVERSITY	REL	2	211		THE LOST BOOKS OF THE BIBLE	05/03/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	2	240		INTRO TO NEW TESTAMENT	08/01/2003	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	13		Active
FLORIDA STATE UNIVERSITY	REL	2	292		APOCALYPSE NOW AND THEN	05/11/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	2	462		DEMONS, THE ANTICHRIST AND SATAN	04/27/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	3	112		RELIGION AND 20TH-CENTURE FANTASY LITERATURE	10/30/2009	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Discontinued
FLORIDA STATE UNIVERSITY	REL	3	112		RELIGION AND 20TH CENTURY FANTASY LITERATURE	08/25/2017	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	3	138		RELIGIOUS INTOLERANCE IN AMERICA	08/24/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	3	142		RELIGION, SELF AND SOCIETY	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	3	145		GENDER AND RELIGION	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	REL	3	160		RELIGION AND SCIENCE	07/12/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	REL	3	170		RELIGIOUS ETHICS AND MORAL PROBLEMS	08/24/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	3	171		TOPICS IN ETHICS	08/24/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	3	178		RELIGION AND LAW	04/28/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	3	180		RELIGION AND BIOETHICS	08/24/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	REL	3	209		THE DEAD SEA SCROLLS	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	REL	3	224		THE HEBREW PROPHETS	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	REL	3	431		CRITICS OF RELIGION	08/24/2022	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	3	505		THE CHRISTIAN TRADITION	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	REL	3	513		CHRISTIANS THROUGH ROMAN EYES	05/23/2023	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	REL	3	541		AMERICAN PROTESTANT THOUGHT IN HISTORICAL CONTEXT	01/19/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	RUT	3	110		RUSSIAN LITERATURE IN ENGLISH TRANSLATION	12/19/2016	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	RUT	3	514		RUSSIAN FOLKLORE AND FAIRY TALES	01/19/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	RUT	3	523		RUSSIAN CINEMA	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SLI	3	510		THE SLAVIC VAMPIRE	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SPA	2	001		COMMUNICATION SCIENCES AND DISORDERS	11/09/2005	3		Natural Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	SPT	3	130		LATIN AMERICAN LITERATURE IN TRANSLATION	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	2		Active
FLORIDA STATE UNIVERSITY	SPT	3	391		HISPANIC CINEMA	01/19/2024	3.0		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SPT	3	503		INTRODUCTION TO HISPANIC CULTURAL ANALYSIS	01/19/2024	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SPT	3	531		PAST AND PRESENT IN VALENCIA, SPAIN	04/28/2022	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	STA	1	013		STATISTICS THROUGH EXAMPLES	05/13/2022	3.0		Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	STA	2	122		INTRODUCTION TO APPLIED STATISTICS	05/26/2022	3	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	6		Active
FLORIDA STATE UNIVERSITY	STA	2	171		STATISTICS FOR BIOLOGY	05/26/2022	4.0	Math	Math	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SYG	2	010		SOCIAL PROBLEMS	06/15/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	32		Active
FLORIDA STATE UNIVERSITY	SYG	3	245		SOCIOLOGY OF FOOD	08/24/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	SYO	3	100		FAMILIES AND SOCIAL CHANGE	06/15/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active
FLORIDA STATE UNIVERSITY	SYO	3	200		SOCIOLOGY OF RELIGION	06/15/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	8		Active
FLORIDA STATE UNIVERSITY	SYP	3	730		AGING AND THE LIFE COURSE	06/15/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	7		Active
FLORIDA STATE UNIVERSITY	THE	3	214		WORLD THEATRE HISTORY II	12/23/2003	3		Humanities	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	URP	3	527		GREEN GLOBAL HEALTH	06/15/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	URS	1	006		WORLD CITIES: QUALITY OF LIFE	06/15/2022	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	WOH	2	023		THE MODERN WORLD TO 1815	05/27/2020	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	3		Active
FLORIDA STATE UNIVERSITY	WOH	2	030		THE MODERN WORLD SINCE 1815	05/27/2020	3.0		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	5		Active



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FLORIDA STATE UNIVERSITY	WOH	2	202		MORTAL COMBAT: EURASIAN WORLDS OF WAR SINCE 1200	07/12/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	WOH	3	212		MONSOON EMPIRES: THE INDIAN OCEAN, 800-1800	07/08/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	WOH	3	403		HISTORY OF SPACE: MODERN AND CONTEMPORARY EXPLORATIONS	08/09/2023	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	WOH	3	440		HISTORY OF REFUGEES, 0-2000	07/12/2022	3		Social Sciences	Reviewed: No Updates	General Education (Institution)	Not Applicable	1		Active
FLORIDA STATE UNIVERSITY	IDS	2	661		MADE IN ITALY: CULTURAL CAPITAL AND GLOBAL EXCHANGES	08/19/2022	3		Humanities				1		Active



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM F



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Academic Affairs Committee*

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#### CONSENT ITEM F

**June 20, 2024**

**SUBJECT:** Approval of Nursing LINE (Linking Industry to Nursing Education)

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#### **PROPOSED COMMITTEE ACTION**

Authorize the submittal of the 2024-2025 Linking Industry to Nursing Education (LINE) Fund Proposal to the SUS BOG in the amount of \$447,537.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

Board of Governors [Regulation 8.008 - Nursing Education](#)

#### **BACKGROUND INFORMATION**

The LINE (Linking Industry to Nursing Education) Fund is intended to incentivize collaboration between nursing education programs and healthcare partners and to meet local, regional, and state workforce demand by recruiting faculty and clinical preceptors, increase the capacity of high-quality nursing education programs, and increase the number of nursing education program graduates who are prepared to enter the workforce. Subject to available funds, for every dollar contributed to an institution by a healthcare partner, the fund shall provide a dollar-for-dollar match to the participating institution for approved proposals.

#### **ADDITIONAL COMMITTEE CONSIDERATIONS**

Florida State University College of Nursing (CON) will collaborate with Tallahassee Memorial HealthCare (TMH), Mayo Clinic in Florida, and Cleveland Clinic Florida to support faculty salary, purchase equipment for simulation, and provide tuition waivers, graduate assistantships, and scholarships to students to increase enrollment and program completion.

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**Supporting Documentation Included:** State University System 2024-2025 Linking Industry to Nursing Education (LINE) Fund Proposal Form

**Submitted by:** Jing Wang, PhD, MPH, RN, FAAN - Dean, FSU College of Nursing



## State University System 2024-2025 Linking Industry to Nursing Education (LINE) Fund Proposal Form

<b>University:</b>	Florida State University
<b>Healthcare Partner:</b>	Tallahassee Memorial HealthCare Mayo Clinic in Florida Cleveland Clinic Florida
<b>Date Proposal Approved by University Board of Trustees:</b>	x/xx/xxxx
<b>Amount Requested:</b>	\$447,537
<b>University Contact (name, title, phone, &amp; email):</b>	Jing Wang, PhD, MPH, RN, FAAN Dean, FSU College of Nursing <a href="mailto:jingwang@nursing.fsu.edu">jingwang@nursing.fsu.edu</a> (850) 644-6844
<b>Please check the boxes below as appropriate:</b>	<i>All boxes must be checked in order to be eligible to participate.</i>
Healthcare partner making contribution is located in and licensed to operate in Florida?	<input checked="" type="checkbox"/> Yes
Healthcare partner making contribution is a healthcare provider as defined in Section 768.38(2), Florida Statutes?	<input checked="" type="checkbox"/> Yes
Nursing programs met or exceeded a first-time NCLEX passage rate of 75% for the prior year based on the 2024 Accountability Plan?	<input checked="" type="checkbox"/> Yes
The funds will be used for an eligible purpose per section 1009.8962, Florida Statutes?	<input checked="" type="checkbox"/> Yes

### Background

The LINE Fund is intended to incentivize collaboration between nursing education programs and healthcare partners and to meet local, regional, and state workforce demand by recruiting faculty and clinical preceptors, increasing the capacity of high-quality nursing education programs, and increasing the number of nursing education program

graduates who are prepared to enter the workforce. Subject to available funds, for every dollar contributed to an institution by a healthcare partner, the fund shall provide a dollar-for-dollar match to the participating institution for approved proposals.

**Funds may be used for student scholarships, recruitment of additional faculty, equipment, and simulation centers to advance high-quality nursing education programs throughout the state. Funds may not be used for the construction of new buildings.** To participate, an institution must submit a timely and complete proposal to the Board of Governors for consideration. For more details, see Board of Governors [Regulation 8.008 - Nursing Education](#).

**Proposals must be submitted with a total of no more than three pages of narrative for the following sections.** Proposals with more than three pages of narrative will be rejected.

## **Proposal Details**

*Provide a detailed narrative for each section below.*

- I. Use of Funds** - *Describe in detail and with specificity how the institution plans to use the funds, including how the funds will be utilized to increase student enrollment and program completion.*

Florida State University College of Nursing (CON) will collaborate with Tallahassee Memorial HealthCare (TMH), Mayo Clinic in Florida, and Cleveland Clinic Florida to support faculty salaries; purchase equipment for simulation; and provide tuition waivers, graduate assistantships, and scholarships to students to increase enrollment and program completion. The faculty, in collaboration with the Office of Research, will enhance the CON's evidence-based practice infrastructure for students, allowing students to explore this important area and receive a well-rounded educational experience before entering or advancing in the workforce.

- II. Onboarding & Retention of Graduates** - *Describe in detail and with specificity how the health care partner will onboard and retain graduates.*

FSU CON will collaborate with TMH, Mayo Clinic in Florida and Cleveland Clinic Florida to support a faculty member and simulation equipment that can facilitate a robust evidence-based practice infrastructure within the college to ensure constant student learning and high satisfaction levels for that learning experience. Additionally, these healthcare partners and the FSU CON will provide tuition waivers, student assistantships, and scholarships designed to prepare students to practice at the highest level of their licenses. By partnering with these Florida organizations throughout the student learning experience, there is a higher chance that healthcare partners will retain these students post-graduation.

**Program Expansion** - *Describe in detail and with specificity how the funds will expand the institution's nursing education programs to meet local, regional, or state workforce demands. If applicable, include advanced education nursing programs and how the funds will increase the number of faculty and clinical preceptors and planned efforts to utilize the clinical placement process established in Section 14.36, Florida Statutes.*

Specifically, we will use the funds to support faculty salaries to ensure we educate more highly skilled nursing students who have the knowledge and training needed to contribute positively to better healthcare in the state of Florida. Broadening exposure to research and evidence-based practice furthers the students' ability to understand the full breadth of the research evidence in improving the health and well-being of individuals and communities in our state.

The funds will also be used to purchase simulation equipment related to program expansion and support students through student assistantships, tuition waivers, and scholarships to ensure they are prepared with the education and skills to translate evidence into practice, lead patient care teams, evaluate patient outcomes, and promote system change at various health entities throughout the state, thereby improving the health of Floridians.



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM K



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES  
*Advancement Committee*

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**CONSENT ITEM K**

**June 20, 2024**

**SUBJECT:** Proposed Bylaw Changes for the FSU Foundation, Inc.

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**PROPOSED COMMITTEE ACTION**

Approve Bylaw Changes for the FSU Foundation, Inc.

**AUTHORITY FOR BOARD OF TRUSTEES ACTION**

FSU-2.025 requires that any amendments to the Direct Support Organization Bylaws must be submitted by the President of the Board of Trustees for approval.

**BACKGROUND INFORMATION**

These changes to the FSU Foundation Bylaws have been reviewed by and approved by the FSU Foundation Board of Trustees.

**ADDITIONAL COMMITTEE CONSIDERATIONS**

No further approval required.

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**Supporting Documentation Included:** FY2024 FBOT Proposed Bylaws redlined.

**Submitted by:** Vice President for University Advancement and President of the FSU Foundation, Inc.  
Marla Vickers, Ed.D.





# FLORIDA STATE UNIVERSITY

## DIVISION OF UNIVERSITY ADVANCEMENT

### Division of University Advancement

To: Trustee John Thiel

From: Dr. Marla Vickers, Vice President for University Advancement

Date: June 06, 2024

Re: FSU Foundation Bylaw Changes

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### Bylaw Summary from FSU Foundation Spring 2024 General Board Meeting

1. **Addition:** Section 1.D: The board is the chief philanthropy board of Florida State University. Each trustee supports FSU through their philanthropy and actively participates in Division of University Advancement efforts.
2. **Change:** Section 2.B: The board shall include not less than ~~thirty six (36)~~ twenty (20) regular trustees, but no more than 25 elected by a majority vote of the voting trustees.
3. **Change:** Section 4.B: approve submission of the Foundation's annual budget to the university president or designee by ~~May 1~~ the Spring Foundation Board Meeting;
4. **Change:** Section 6.B: approved by both the University President, Foundation board chair and Foundation president; and [in reference to a candidate seeking to serve as a voting member of the Investment Committee who is not a Foundation trustee or the Seminole Boosters, Inc. appointee]
5. **Change:** Section 6

**Removed:** If so nominated, approved and elected, such member of the Investment Committee shall serve an initial term of three (3) years and may be reelected for a second term of three (3) years; provided, however, that no such member of the Investment Committee shall be allowed to serve more than six (6) consecutive years; and provided further, that no such member of the Investment Committee who has served six (6)

consecutive years in that capacity shall be eligible for election to another three (3) year term unless at least one (1) year will have passed between the expiration of his or her immediately preceding three (3) year term and the commencement of an additional three (3) year term.

This mechanism for staffing the Investment Committee will only be used if necessary following the annual trusteeship process.

**Replaced with:** If so nominated, approved and elected, such member of the Investment Committee may serve an unlimited number of two (2) year terms provided that in even-numbered years as the election of new officers and committee chairs, the Investment Committee Chair in conjunction with the Board Chair and Foundation President, conducts a review of such Investment Committee members to ensure all members are actively participating in accordance with the mission of the board and the Committee and such members are willing to continue to serve in this capacity. Removal of such members will be in accordance with Section 5: Attendance, Removal and Vacancies. If such member is appointed as Investment Committee chair, they shall serve as a voting member of the Executive Committee. Such Investment Committee member shall not serve as a Foundation trustee during the terms of service prescribed by this section. Such members shall not constitute a majority of the voting members of the Investment Committee.

6. **Change:** Section 8: Advancement and Donor Engagement Committee

7. **Change:** Section 8: The committee shall be responsible for making recommendations to the Foundation for raising ~~private philanthropic~~ support for the university and will serve as a resource to the Foundation in its efforts to acknowledge, recognize and be accountable to donors. To meet this responsibility the committee shall:

- a. support a comprehensive university ~~development~~ Advancement program, which involves trustees in the raising of private support;
- b. provide advice to the board and the ~~development~~ Advancement staff in regard to fundraising policies, strategies and in the pursuit of ~~private philanthropic~~ support emanating from alumni, faculty, students, parents, friends, foundations and organizations; ~~and~~

- c. [no change]

#### **Additions to Section 8:**

- d. serve as advocates to interpret and voice donors' views regarding their continual relationship with the university and the Foundation;
- e. advise, support and make recommendations to the Foundation on a broad range of donor stewardship issues, policies and strategies that strengthen the donor relationship program;
- f. review and make recommendations regarding the Foundation's donor relations/stewardship program, especially as constituent groups in need of more personalized stewardship activities are identified; and
- g. when appropriate, engage all trustees in stewardship activities and initiatives.

#### **Removal of Section 9:**

#### **~~Section 9: Donor Stewardship Committee~~**

~~The Donor Stewardship Committee will serve as a resource to the Foundation in its efforts to acknowledge, recognize and be accountable to donors. The committee shall:~~

- ~~a. serve as advocates to interpret and voice donors' views regarding their continual relationship with the university and the Foundation;~~
- ~~b. advise, support and make recommendations to the Foundation on a broad range of stewardship issues, policies and strategies that strengthen the donor relationship program;~~
- ~~c. review and make recommendations regarding the Foundation's donor relations/stewardship program, especially as constituent groups in need of more personalized stewardship activities are identified; and~~
- ~~d. when appropriate, engage all trustees in stewardship activities and initiatives.~~

**BYLAWS OF  
THE FLORIDA STATE UNIVERSITY FOUNDATION, INC.**

**A Nonprofit Foundation**  
ADOPTED OCTOBER 15, 1965

Amended:

April 3, 1970	February 16, 2002	May 29, 2015
October 15, 1977	October 25, 2003	May 20, 2016
October 21, 1989	October 16, 2004	May 19, 2017
February 9, 1991	October 8, 2005	April 13, 2018
February 12, 1994	October 20, 2006	June 4, 2020
October 7, 1995	October 21, 2011	June 17, 2021
May 18, 1996	May 18, 2012	June 22, 2022
November 15, 1997	May 16, 2014	June 15, 2023
May 19, 2001		

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## **ARTICLE I—GOVERNANCE**

### **Section 1: Definitions and Organization**

#### **a. Definitions**

As used in these bylaws, except where the context otherwise clearly indicates:

- 1) Foundation: refers to the Florida State University Foundation Inc., a nonprofit corporation created as a direct support organization of Florida State University;
- 2) University: refers to Florida State University;
- 3) Trustee or member: these terms shall be interchangeable and refer to any member of the board whether elected, appointed, ex officio, voting or non-voting;
- 4) Annual meeting: refers to the board meeting held in the spring;
- 5) Regular trustee: refers to those trustees who have voting privileges and are elected by majority vote of the voting trustees;
- 6) Voting trustee: refers to all board members who have voting privileges, whether regular trustees or ex officio;
- 7) Non-voting trustee: refers to board members who have no voting privileges;
- 8) Ex officio trustee: refers to board members whose board service is by virtue of holding another designated non-board office rather than election to the board and who may be voting members or non-voting members;
- 9) Founding member or founding trustee: refers only to those members who were members of the board at its incorporation in 1960 and who have subsequently been recognized as founding trustees by the board;
- 10) Board: refers to the board of trustees of the Florida State University Foundation unless otherwise specifically denoted;
- 11) FSU: refers to Florida State University and is used as an abbreviation.

- b. The organization and operation of the Foundation shall be in compliance with Florida Statutes.
- c. The board is the governing and policy-making body for the Foundation and has full legal authority to raise, accept, hold, invest and disburse any private gift made through the Foundation for the benefit of Florida State University, its programs,

colleges or administrative units as outlined in these bylaws. As set forth in these bylaws, the board may delegate its authority to specified offices of the Foundation so that delegates may raise, accept, hold, invest and disburse any gift made through the Foundation to the university.

- d. The board is the chief philanthropy board of Florida State University. Each trustee supports FSU through their philanthropy and actively participates in Division of University Advancement efforts.

## **Section 2: The Board of Trustees**

- a. Each trustee must demonstrate outstanding qualities of leadership and a serious personal intention to promote the advancement of higher education and the university through dedicated service to the Foundation. Each regular trustee must set an example of charitable interest in the university and the Foundation that alumni and other friends of the university may emulate. Each trustee must be supportive of the Foundation, its board and its policies and procedures. Each regular trustee must contribute financial support to the university as outlined in the FSU Foundation Board of Trustees Minimum Giving Requirement.
- b. The board shall include not less than ~~thirty-six (36)~~ twenty (20) regular trustees, but no more than 25, elected by a majority vote of the voting trustees.
- c. A regular trustee who satisfies the criteria and requirements established by the board may, by majority vote of the voting trustees, be elected as a non-voting trustee emeritus for a life term.
- d. The board shall also include the following seven (7) ex officio, voting trustees:
  - 1. the university president or designee;
  - 2. a presidential appointee
  - 3. the chair of the FSU Board of Trustees or designee;
  - 4. the chair of the FSU Board of Trustees Advancement Committee;
  - 5. the president of the university Faculty Senate;
  - 6. a dean appointed by the university provost to serve a two-year term, concurrent with the Foundation's officer and chair cycle; and
  - 7. the chair of the FSU Student Foundation.

- e. The board shall also include founding trustees, who shall hold all rights and privileges of regular members and serve as members during their lifetime, unless removed pursuant to the provisions of these bylaws.
- f. The board shall also include the following four (4) ex officio, non-voting trustees:
  - 1. the chair of the FSU Alumni Association National Board of Directors or designee;
  - 2. the chair of the Seminole Boosters, Inc. Board of Directors or designee;
  - 3. the chair of The John and Mable Ringling Museum Board of Trustees or designee; and
  - 4. the president of the FSU Student Government Association.
- g. Regular trustees shall be elected each year at the annual meeting for a term of three (3) years. A regular trustee may be re-elected for a second term of three (3) years.
- h. Upon appointment, each committee chair shall serve a two-year term.
- i. If a regular trustee serves as an officer of the board or chair of a committee, the member may be re-elected as a trustee for a third term of three (3) years, based on their original term date.
- j. In no event may a regular trustee serve for more than twelve (12) consecutive years.
- k. Following a hiatus of at least one (1) year from membership on the board, former trustees become eligible for election under the same terms and conditions described for initial board membership.
- l. Following a hiatus of at least one (1) year from membership on the board of a FSU advancement direct support organization, individuals become eligible for election to the board.
- m. All regular trustees shall be elected by a majority vote of the voting trustees after recommendation by the Trusteeship and Engagement Committee and with the consultation and approval of the university president. The election of trustees is approved by a majority vote of the FSU Board of Trustees.

### **Section 3: Meetings**

- a. Notice of each meeting shall be sent to each trustee by the secretary or designee not less than thirty (30) days before the meeting. Notice of each special meeting shall be sent to each trustee not less than fifteen (15) days



before the meeting. Notice of any meeting referenced in these bylaws may be effected by use of electronic communication.

- b. If the notice is for a special meeting, the notice shall indicate the reason(s) for the meeting.
- c. Notices of emergency meetings shall be sent to each trustee not less than 24 hours prior to the emergency meeting.
- d. By a majority vote, the board may discuss additional matters not indicated in the notice of a meeting or special meeting.
- e. Special meetings of the board may be held at any time and place designated by the board chair.
- f. Any meeting may be conducted through teleconference, videoconference or other appropriate electronic means.

#### **Section 4: Quorums and Voting**

- a. The presence of at least thirty-three and one-third ( $33\frac{1}{3}$ ) percent of the voting trustees, in person, by phone or other acceptable electronic means, shall constitute a quorum at any meeting of the board or any of its committees, unless otherwise provided by these bylaws.
- b. Once a quorum is established, all questions shall be determined by majority vote of the voting trustees present.

#### **Section 5: Attendance, Removal and Vacancies**

- a. All trustees are expected to attend board and committee meetings.
- b. Prior to the completion of a trustee's term, the Foundation shall present the attendance record of the trustee to the Trusteeship and Engagement Committee.
- c. If a trustee fails to attend at least fifty (50) percent of the scheduled board meetings taking place during the trustee's term in office, the Trusteeship and Engagement Committee shall recommend to the committee chair whether the trustee should be nominated to serve an additional term.

The Trusteeship and Engagement Committee chair will discuss the committee's recommendation with the board chair, Foundation president and assistant vice president of Advancement, Strategic Initiatives to determine proper courses of action.

- d. At the request of the university president or the chair of the Foundation board, the Executive Committee will review, at any point in his or her term, a trustee who is not performing according to the standards outlined in Article 1, Section 2 of these bylaws to determine appropriate action, up to and including immediate removal.
- f. If a trustee vacates his or her position before expiration of his or her term, a successor may be elected by the board after consultation with the university president and will serve for the remainder of the term. The election of successors is approved by a majority vote of the FSU Board of Trustees.

## **Section 6: Conflicts of Interest**

Trustees shall avoid conflicts of interest and abide by standards of conduct outlined in the Association of Fundraising Professionals' Code of Ethical Principles and Standards of Professional Practice. A conflict of interest form shall be signed every year by each board member. An appropriate conflict of interest and ethics statement shall be read to the board at the beginning of each meeting.

## **ARTICLE II—OFFICERS**

### **Section 1: Chair**

The chair shall be elected by a majority vote of the voting trustees during the annual meeting and shall serve a term of office of two (2) years beginning on July 1 in the year of the chair's election. The chair shall:

- a. preside at all meetings of the board;
- b. deal with all business of the Foundation in the manner and with the authority prescribed by the board and these bylaws;
- c. see that the orders of the board are carried out promptly or advise the board if its orders are not executed;
- d. report to the university president, or designee, in accordance with the policies of the FSU Board of Trustees;
- e. appoint chairs and vice chairs of committees in consultation with the president of the Foundation, as appropriate;
- f. appoint individuals to committees; and

- g. attend any committee meetings and join in debate or discussion, but will serve as a voting member of only the Executive Committee and up to two additional committees that he or she assigns themselves to as an official member.

If, after serving as board chair, a trustee's term is scheduled to expire in less than two years, the trustee's term will be extended to allow him or her to complete a two-year term as immediate past chair, after which, the extended term will expire.

## **Section 2: Chair-Elect**

The chair-elect shall be elected by a majority vote of the voting trustees during the annual meeting. The chair-elect will serve a term of office of two (2) years beginning on July 1 in the year of his or her election. The chair-elect shall assist the chair and, in the absence or inability of the chair to serve, shall assume the duties of the chair until the chair resumes the duties, or the board has elected a new chair.

## **Section 3: Foundation President**

The university president shall recommend the selection of the Foundation president to the board, who shall, by majority vote of the voting trustees, be elected as the chief executive officer of the Foundation. The Foundation president shall:

- a. provide leadership for the Foundation, subject to the direction of the university president and the board;
- b. report to the university president;
- c. execute the policies and directives of the board;
- d. carry out any business of the Foundation to include the exercise of authority prescribed by the board, these bylaws and applicable law;
- e. be faithful in the performance of his or her duties as the board may require;
- f. present a written report of the conduct of the office at each annual meeting of the board; and
- g. delegate assistant vice president of Advancement, Strategic Initiatives any duties or responsibilities, as appropriate, relating to the conduct of the board, its meetings or the business of the Foundation.

#### **Section 4: Assistant Vice President of Advancement, Strategic Initiatives**

The assistant vice president of Advancement, Strategic Initiatives of the Foundation shall be a Foundation employee and be appointed by the Foundation president. The assistant vice president of Advancement, Strategic Initiatives shall:

- a. execute the policies and directives of the board;
- b. assist other officers of the Foundation in the performance of their duties;
- c. carry out the day-to-day business of the Foundation to include the exercise of authority prescribed by the board and these bylaws;
- d. be faithful in the performance of all duties as the board may require; and
- e. delegate to the appropriate Foundation staff any duties or responsibilities, as appropriate, relating to the conduct of the board, its meetings or the business of the Foundation.

#### **Section 5: Secretary**

The secretary shall be elected by a majority vote of the voting trustees during the annual meeting and shall serve a term of office of two (2) years beginning on July 1 in the year of the secretary's election. The secretary or designee shall:

- a. attend all meetings of the board;
- b. keep accurate minutes to serve as a permanent record, stored at the Foundation;
- c. keep on record a copy of the Articles of Incorporation of the Foundation and a copy of its bylaws;
- d. keep the official records of the Foundation, with the exception of the financial records kept by the board treasurer;
- e. have the authority to sign the name of the Foundation to all papers, documents and writings requiring the signature of this Foundation authorized by the board, these bylaws and applicable law. In the absence or inability of the secretary to sign said documents, the signature of the assistant secretary or any other board officer may be substituted for that of the secretary;
- f. keep the seal of the Foundation and affix the seal to such official documents, records and papers as may be required;

- g. carry on such of the general correspondence of the Foundation as may be assigned by the chair; and
- h. delegate to the assistant secretary any duties or responsibilities, as appropriate, relating to the conduct of the board, its meetings or the business of the Foundation.

## **Section 6: Assistant Secretary**

The assistant secretary shall be elected by a majority vote of the voting trustees during the annual meeting, and may be an employee of the Foundation or other non-member of the board. The assistant secretary shall work with the secretary and perform such duties as delegated by the secretary. The assistant secretary shall serve a term of office of two (2) years beginning on July 1 in the year of the assistant secretary's election. In the absence or inability of the secretary to serve, the assistant secretary shall assume the duties of the secretary until the secretary resumes the duties, or the board has elected a new secretary.

## **Section 7: Treasurer**

The treasurer shall be elected by a majority vote of the voting trustees during the annual meeting and shall serve a term of office of two (2) years beginning on July 1 in the year of the treasurer's election. The treasurer, or designee, shall:

- a. oversee the receipt, deposit and custody of all funds and securities of the Foundation and deposit them in the name of the Foundation in such depositories as may be selected by the board, acting in conformance with these bylaws;
- b. keep the official financial records and accounts of the Foundation;
- c. review all financial statements, make reports as necessary to the board and carry out the Foundation's routine administrative functions;
- d. account to each successor in office for all funds and securities that were listed on the financial statements at the time of the last audit and all funds and securities that have come into the treasurer's hands since the last audit of the financial statements of the office, and deliver over to the successor in office such funds and securities as remain on hand upon the appointment and qualification of the successor;
- e. cause an audit of the financial statements of the Foundation to be made as soon as practicable after the close of the fiscal year of the Foundation, and have it reported to the chair at once and to the board at its next meeting; and

- f. delegate to the assistant treasurer, or Foundation chief financial officer, any duties or responsibilities, as appropriate, relating to the conduct of the board, its meetings or the business of the Foundation as authorized by the board, these bylaws and applicable law.

## **Section 8: Assistant Treasurer**

The assistant treasurer shall be elected by a majority vote of the voting trustees during the annual meeting, may be an employee of the Foundation or other non-member of the board. The assistant treasurer shall work with the treasurer and perform such duties as delegated by the treasurer. The assistant treasurer shall serve a term of office of two (2) years beginning on July 1 in the year of the assistant treasurer's election. In the absence or inability of the treasurer to serve, the assistant treasurer shall assume the duties of the treasurer until the treasurer resumes the duties, or the board has elected a new treasurer.

## **Section 9: Removal and Vacancies**

In the event of absence, inability or refusal to act by any of the officers of the Foundation, the board, or Executive Committee, may appoint any person to perform the officer's respective duties, as provided in these bylaws, until the next meeting of the board or such time as members may hold an election to replace the appointed officer.

# **ARTICLE III—COMMITTEES**

## **Section 1: Establishment or Dissolution of Committees**

With majority vote of the voting trustees, the board chair may establish or dissolve committees as deemed necessary. The board chair shall appoint all committee chairs and membership in consultation with the president of the Foundation.

## **Section 2: Conduct of Committee Meetings**

- a. A majority vote shall be necessary for the adoption of any resolution or recommendation before the committee.
- b. Each committee shall meet at the call of its chair and minutes of all meetings shall be kept by the secretary, or designee, and stored within the Foundation.

- c. All action taken at any committee meeting shall be captured in the minutes and reported at the next meeting of the board.
- d. Meetings of committees may be conducted by teleconference, videoconference or through other appropriate electronic means.

### **Section 3: Executive Committee**

- a. The Executive Committee shall exercise the powers and authority of the board when the board is not in session.
- b. The committee shall include the chair; past chair; Foundation president; treasurer; secretary; the university president or designee; the chair of the FSU Board of Trustees or designee; the president of the University Faculty Senate; and the chair of each standing committee.
- c. The committee shall consider, evaluate and analyze issues that have implications for changes to the board and make recommendations of appropriate action to the board.
- d. If the committee meets to exercise the powers and authority of the board when the board is not in session, the committee shall have no authority to alter, amend or repeal the Articles of Incorporation or bylaws or to elect trustees.

### **Section 4: Finance Committee**

The committee shall assist the board in assuring that the budgetary and financial practices of the Foundation are sound and prudent. To meet these responsibilities, the committee shall:

- a. review the annual operating budget and present its recommendations to the board;
- b. approve submission of the Foundation's annual budget to the university president or designee by ~~May 1~~ the Spring Foundation Board Meeting;
- c. work closely with other committees where advice is necessary for budget considerations;
- d. review the effectiveness of the Foundation's management of financial functions and present recommendations to the board; and
- e. review all financial statements.

## **Section 5: Audit Committee**

The Audit Committee shall be composed of no less than three (3) members. At least one member must have strong professional working experience in accounting, business, finance, audit and internal controls. The committee shall review the audit plan of the Foundation, appraise and approve the effectiveness of the plan, assist the board in fulfilling its fiduciary responsibilities relating to accounting and reporting practices and maintain a direct line of communication between the board and the Foundation's independent auditors. The independent auditor will report to this committee and the committee shall be responsible for approving the auditor's fees and engaging or disengaging an auditor with final approval by the FSU Board of Trustees. To meet these responsibilities, the committee shall:

- a. review the scope of an overall audit plan for each annual examination;
- b. appraise the effectiveness of the audit effort and present recommendations regarding audit findings to the board;
- c. inquire into the effectiveness of the Foundation's management of its financial and accounting functions, the Foundation's system of internal controls and recommend to the board such changes as shall be advisable;
- d. review the results of any internal audits performed by the university's Office of Inspector General Services and provide recommendations based on such results;
- e. review the Foundation's tax returns for accuracy, prior to them becoming available to the full board for review; and
- f. adhere to all provisions in University Regulation FSU-2.-025, Direct Support Organizations, and in the Foundation's Audit Committee Charter.

## **Section 6: Investment Committee**

The Investment Committee shall be composed of not less than three (3) and not more than ten (10) persons who have professional experience in the investments management field, all voting members, including one member appointed by the Seminole Boosters, Inc. Board of Directors' Investment Committee. The committee shall be responsible for the prudent investment of the Foundation's assets in accord with long-term strategies and for establishing investment policies and practices consistent with fiduciary duty.

A candidate seeking to serve as a voting member of the Investment Committee who is not a Foundation trustee or the Seminole Boosters, Inc. appointee must be:



- a. nominated by the Investment Committee chair;
- b. approved by ~~both~~ the **University President**, Foundation ~~board~~ chair and Foundation president; and
- c. elected at the annual meeting of the Foundation trustees.

If so nominated, approved and elected, such member of the Investment Committee ~~shall~~ **may** serve an ~~initial term of three (3) years and may be re-elected for a second term of three (3) years; provided, however, that no such member of the Investment Committee shall be allowed to serve more than six (6) consecutive years; and provided, further, that no such member of the Investment Committee who has served six (6) consecutive years in that capacity shall be eligible for election to another three (3) year term unless at least one (1) year will have passed between the expiration of his or her immediately preceding three (3) year term and the commencement of an additional three (3) year term~~ unlimited number of two (2) year terms provided that in even-numbered years as the election of new officers and committee chairs, the Investment Committee Chair in conjunction with the Board Chair and Foundation President, conducts a review of such Investment Committee members to ensure all members are actively participating in accordance with the mission of the board and the Committee and such members are willing to continue to serve in this capacity. Removal of such members will be in accordance with Section 5: Attendance, Removal and Vacancies. If such member is appointed as Investment Committee chair, they shall serve as a voting member of the Executive Committee. Such Investment Committee member shall not serve as a Foundation trustee during the terms of service prescribed by this section. Such members shall not constitute a majority of the voting members of the Investment Committee. ~~This mechanism for staffing the Investment Committee will only be used if necessary following the annual trusteeship process.~~

Because of the proprietary nature of the materials that come before the Investment Committee, as well as the frequency of meetings and the need for urgency in decision-making to respond to market conditions, this committee has the authority to vote on issues that fall under its purview without first consulting the full board. At the request of the board chair, specific actions taken or planned by the Investment Committee can be shared with the full board.

## **Section 7: Trusteeship and Engagement Committee**

The Trusteeship and Engagement Committee shall be chaired by the board chair-elect. The committee shall recommend candidates for election as regular trustees, first to the university president and then to the full board. The committee will evaluate the performance of board members and recommend to the board and the university president persons deserving of election as trustee emeritus, honorary degrees, distinguished service awards or other such recognition the Foundation deems appropriate. The committee shall:

- a. receive recommendations for trustees to the board at least forty-five (45) days prior to the annual meeting and make recommendations for new trustees to the board at such meeting;
- b. review the attendance of and performance of trustees, including those considered for re-election, and make recommendations to the board chair regarding a trustee's re-election or removal;
- c. maintain a list of candidates for election as trustees and cultivate their interest in the Foundation;
- d. oversee the orientation and development of new trustees;
- e. review and finalize a slate of officers submitted to the committee by the chair-elect in even-numbered years. Advance the slate to the full board at the annual meeting as a recommendation of the committee; and
- f. oversee and evaluate engagement programs and opportunities for trustees.

## **Section 8: Advancement ~~and Donor Engagement~~ Committee**

The committee shall be responsible for making recommendations to the Foundation for raising ~~private philanthropic~~ support for the university ~~and will serve as a resource to the Foundation in its efforts to acknowledge, recognize and be accountable to donors~~. To meet this responsibility the committee shall:

- a. support a comprehensive university ~~development~~ Advancement program, which involves trustees in the raising of private support;
- b. provide advice to the board and the ~~development~~ Advancement staff in regard to fundraising policies, strategies and in the pursuit of ~~private philanthropic~~ support emanating from alumni, faculty, students, parents, friends, foundations and organizations; ~~and~~
- c. stimulate vigorous and aggressive efforts to attract and champion private support to the university;
- d. ~~serve as advocates to interpret and voice donors' views regarding their continual relationship with the university and the Foundation;~~
- e. ~~advise, support and make recommendations to the Foundation on a broad range of donor stewardship issues, policies and strategies that strengthen the donor relationship program;~~

- f. review and make recommendations regarding the Foundation's donor relations/stewardship program, especially as constituent groups in need of more personalized stewardship activities are identified; and
- g. when appropriate, engage all trustees in stewardship activities and initiatives.

#### **~~Section 9: Donor Stewardship Committee~~**

~~The Donor Stewardship Committee will serve as a resource to the Foundation in its efforts to acknowledge, recognize and be accountable to donors. The committee shall:~~

- ~~d. serve as advocates to interpret and voice donors' views regarding their continual relationship with the university and the Foundation;~~
- ~~e. advise, support and make recommendations to the Foundation on a broad range of stewardship issues, policies and strategies that strengthen the donor relationship program;~~
- ~~f. review and make recommendations regarding the Foundation's donor relations/stewardship program, especially as constituent groups in need of more personalized stewardship activities are identified; and~~
- ~~g. when appropriate, engage all trustees in stewardship activities and initiatives.~~

#### **ARTICLE IV—AMENDMENTS**

These bylaws may be altered, amended, rescinded or repealed at any meeting of the board by a majority vote of the board and shall become effective immediately upon such vote or on such date as otherwise determined by law or by the board.

#### **ARTICLE V—SEAL**

The seal of the Foundation shall be in the form of a circle and shall bear, among other things, the name of the Foundation and the date of its incorporation.

#### **ARTICLE VI—INDEMNIFICATION**

The Foundation shall indemnify its trustees, officers, employees and/or agents to the full extent allowed by law, including but not limited to Section 617.0831, F.S., Section 607.0831, F.S., and Section 607.0850, F.S., as applicable and as they may be amended from time to time. The board

shall maintain an ongoing plan for risk management and indemnification of the employees, trustees and officers of the Foundation, taking into consideration federal and state laws and rules as well as rules and policies of the university and the FSU Board of Trustees.

## **ARTICLE VII—FISCAL MATTERS**

### **Section 1: Fiscal Year**

The fiscal year of the Foundation shall be July 1 to June 30.

### **Section 2: Contributions**

Any contributions, bequests, grants or gifts for the purposes of the Foundation shall only be accepted or collected pursuant to procedures authorized by the board. All contributions, bequests, grants or gifts shall be reported to the board in a timely manner.

### **Section 3: Depositories**

All funds of the Foundation shall be deposited to the credit of the Foundation under such conditions and in such banks as shall be approved by the Finance Committee.

### **Section 4: Financial Review**

An annual audit of the financial statements of the Foundation shall be conducted by an independent public accounting firm, and the results shall be submitted to the Audit Committee of the board, the board and the university president.

### **Section 5: Authorized Actions**

Any two of the following may endorse any and all checks, drafts, notes, bills of exchange and orders for the payment of money for deposit or cashing or other negotiation on bank accounts established from time to time by the board: chair, Foundation president, treasurer and assistant vice president of Advancement, Strategic Initiatives. Notwithstanding the above requirement, endorsements for deposit-only may be a written or stamped endorsement of the Foundation made or authorized by any officer of the Foundation.

Any two of the following may draw and sign checks, bills of exchange and orders on bank accounts, select banks and open or negotiate accounts and account terms, with banks as approved by the Finance Committee as described in these bylaws: chair, Foundation president, treasurer and assistant vice president of Advancement, Strategic Initiatives. Any one of the following may authorize the

Foundation chief financial officer to open accounts with financial institutions to accept estate distributions: Finance Committee chair, Foundation president or assistant vice president of Advancement, Strategic Initiatives.

Any one of the following may execute, by telephone, email or oral direction, orders for investing/reinvesting of funds, purchasing of foreign currency and/or transferring funds among Foundation accounts or to Foundation investment managers: chair, Foundation president, assistant vice president of Advancement, Strategic Initiatives, Foundation chief financial officer, or a Foundation employee designated in writing by one of those officers.

## **ARTICLE VIII—OPERATIONAL MATTERS**

### **Section 1: Execution of Documents**

Any one of the following may execute documents on behalf of the Foundation relating to the administration and operation of the Foundation, including receipts, gift agreements and other instruments and documents pertaining to or evidencing donations, contribution, gifts, bequests, pledges, estates, trusts and/or other instances in which assets are or may be transferred or pledged to the Foundation, providing they do not conflict with the stated purposes of the Foundation and providing they have received all approvals required by these bylaws and/or applicable Foundation policies: Foundation president, assistant vice president of Advancement, Strategic Initiatives, chief financial officer or a Foundation employee designated in writing by one of those officers.

Any one of the following is authorized to enter into any contract or execute any instrument in the name of or on behalf of the Foundation in furtherance of the operations of the Foundation and in compliance with the annual budget adopted by the board: Foundation president, assistant vice president of Advancement, Strategic Initiatives or chief financial officer. In addition, the Foundation president, assistant vice president of Advancement, Strategic Initiatives or chief financial officer may designate in writing one or more Foundation employees who are authorized to execute contracts on behalf of the Foundation for the purchase of items and/or services as long as the amount of each such contract is no more than \$5,000. Otherwise, the board by resolution may authorize any officer, officers, agent, or agents to enter into any contract or to execute any instrument in the name of and on behalf of the Foundation.

No officer, agent, employee or other person purporting to act on behalf of the Foundation shall have any power or authority to bind the Foundation in any way, to pledge the Foundation's credit or to render the Foundation liable for any purpose or in any amount, unless that person was acting with authority duly granted by the board as set forth in these bylaws or unless an unauthorized act was later ratified by the board.

## **Section 2: Books and Records**

The Foundation will keep correct and complete books and records of account, and will also keep minutes of the proceedings of the board and committees. The Foundation shall keep, at its principal place of business, a list containing the names, addresses and other relevant information of each trustee and officer and the original or a copy of these bylaws.

## **Section 3: Nonprofit Operations—Compensation and Reimbursement**

The Foundation will not have or issue shares of stock. No dividend will be paid and no part of the income of the Foundation will be distributed to any trustee.

## **Section 4: Limitations**

- a. The Foundation shall make no loans to its officers or trustees.
- b. No officer or trustee may have any vested right, interest or privilege of, in or to the assets, functions, affairs or franchises of the Foundation. No officer or trustee has any right, interest or privilege that may be transferable or inheritable or that will continue if his or her service ceases or while he or she is not in good standing.
- c. Former trustees, officers and employees shall have no property rights to assets of the Foundation.
- d. The organization and operation of the Foundation shall, at all times, be in compliance with Florida Statutes and applicable rules of the Board of Governors and the FSU Board of Trustees.

## **ARTICLE IX—OTHER MATTERS**

### **Section 1: Rules of Order**

In the event of a parliamentary dispute, Robert's Rules of Order, Newly Revised, shall be the authority for all matters of procedures not specifically covered by the bylaws or by special rules of procedure adopted by the Foundation. When determining the order of a business for a meeting, the board chair, committee chair and staff liaison have the authority to deviate from the standard order of business outlined in Robert's Rules of Order, Newly Revised.

## **Section 2: Dissolution**

In the event of the dissolution of the Foundation, the assets of the Foundation remaining after the discharge of all liabilities shall be assigned in conformance with FSU regulation FSU-2.025(7) Direct Support Organizations.



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM L





# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Advancement Committee*

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#### CONSENT ITEM L

**June 20, 2024**

**SUBJECT:** Bylaw Changes for the FSU Alumni Association, Inc.

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#### **PROPOSED COMMITTEE ACTION**

Approve Bylaw Changes for the FSU Alumni Association, Inc.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

FSU-2.025 requires that any amendments to the Direct Support Organization Bylaws must be submitted by the President of the FSU Board of Trustees for approval.

#### **BACKGROUND INFORMATION**

These changes to the Alumni Association Bylaws have been reviewed by and approved by the Alumni Association Board of Directors.

#### **ADDITIONAL COMMITTEE CONSIDERATIONS**

No further approval required.

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**Supporting Documentation Included:** Proposed Bylaws Amendment redlined.

**Submitted by:** FSU Alumni Association President and CEO, Julie Decker



# FLORIDA STATE UNIVERSITY

## DIVISION OF UNIVERSITY ADVANCEMENT

### **Division of University Advancement**

To: Trustee John Thiel

From: Dr. Marla Vickers, VP of University Advancement

Date: June 7, 2024

Re: FSU Alumni Association Bylaw Changes

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### **Process**

An in-depth review of the bylaws takes place every three years. A committee is convened for one year to oversee, discuss and propose any/all amendments to the bylaws to the Full Board. The committee was officially dissolved on May 17, 2024, upon completion of the review, presentation and vote to the Full Board.

### **Summary of Changes**

- Removed all use of the word “Member” and “membership” throughout the document to reflect the transition to a non-dues-based model
- Removed antiquated language as it relates to the official seal of the Association
- Removed unnecessary language regarding the services of the Association
- Removed language as it relates to the organization of Seminole Clubs and required board approval
- Removed language regarding the creation of Constituent Networks
- Articulated meeting structure, simplified language and consolidated the provisions related to the meetings of the Association
- Simplified definitions and duties of all board members, i.e. Continuing, Ex-Officio and Regular (Note: Executive Committee understands the above terminology is subject to review and change by the University Board of Trustees as part of the DSO Governance overview)
- Removed Chair of the Faculty Senate as an Ex-Officio Director
- Added verbiage regarding required academic giving to be eligible to serve on the Board

- Articulated terms of directors
- Added language to require a three-year hiatus from membership on the board to be eligible for election for a new term
- Articulated terms of a replacement Director assuming a vacant position
- Articulated general responsibilities of Chair and changed term to two years per UBOT request in October 2023
- Articulated general responsibilities of Vice Chair and added language regarding exact years of eligibility to run for the office of Vice Chair
- Removed language requiring Treasurer to sign and certify all documents in the event of the President's death, disability, resignation or absence
- Removed Immediate Past Chair's responsibility of serving as Chair of the Awards Committee
- Removed President and CEO's responsibility of serving as parliamentarian at meetings
- Removed language regarding the President and CEO's selection, appointment and compensation plan
- Condensed two separate sections for Budgets and Audits into one section and simplified language
- Removed unclear language regarding the indemnification of Directors



# ALUMNI ASSOCIATION

## Bylaws of the Florida State University Alumni Association

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as amended: June 15, 2023 *(to be updated upon UBOT approval)*

### ARTICLE I. – GENERAL

#### SECTION A. NAME

. The name of this association (the “Association”) is the Florida State University Alumni Association. ~~., a nonprofit corporation incorporated under the laws of the State of Florida.~~

#### SECTION B. LOCATION

. The principal office and place of business ~~of the Association~~ is located at Florida State University (the “University”), Tallahassee, Leon County, Florida.

#### ~~OFFICIAL SEAL~~

~~. The official seal of the Association shall be kept by the President (the “President”) of the Association in the Association’s principal office and shall be affixed to all legal documents or transactions as required.~~

#### SECTION C. PURPOSE AND OBJECTIVES

. The Association is organized and operated with all powers of a Florida not-for-profit corporation under Chapter 617, Florida Statutes and a University direct support organization established pursuant to Section 1004.28, Florida Statutes, to promote the welfare, development and advancement of the University and its educational, scientific and programmatic purposes within the meaning of Section 501(c)(3) of the Internal Revenue Code, or the corresponding provisions of any future Internal Revenue Service Law. To the extent permitted within the meaning of Section 501(c)(3) of the Internal Revenue Code, the Association serves **Members**, Alumni and Constituents (all as defined in Article II) by connecting and engaging Alumni, Constituents and the University.

- ~~1. Developing and sustaining meaningful relationships between and among Members, Alumni, Constituents and the University;~~
- ~~2. Fostering a sense of responsibility among Members, Alumni and Constituents to support the Association and the University through membership and private giving;~~
- ~~3. Perpetuating among Members, Alumni and Constituents a sentiment of affection for the University;~~
- ~~4. Recognizing the accomplishments of Members, Alumni and Constituents;~~
- ~~5. Encouraging the support of Members, Alumni and Constituents for the University's programs and future development; and~~
- ~~6. Serving Members, Alumni and Constituents in pursuit of their careers and professional development.~~

#### SECTION D. LIMITATIONS

. The Association is organized and operated exclusively for charitable and educational purposes within the meanings of Section 501(c)(3) and Section 170(c)(2)(b) of the Internal Revenue Service Code or the corresponding provisions of any future United States Internal Revenue Law. No part of net earnings shall be to the benefit of or be distributable to its Directors or Officers, other private individuals, or associations organized and operating for a profit, except that the Association shall be authorized and empowered to pay reasonable compensation for services rendered and to make payments and distributions in furtherance of those purposes as hereinabove stated. No substantial part of the activities of the Association shall be the carrying on of propaganda or otherwise attempting to influence legislation, and the Association shall not participate or intervene in, including the publishing or distributing statements, any political campaign on behalf of or in opposition to any candidate for public office. -

#### SECTION E. FISCAL YEAR

. The Fiscal Year of the Association is July 1 through June 30, inclusive, unless otherwise defined.

#### SECTION F. EXISTENCE

. The ~~is~~ Association shall have a perpetual existence.

### ARTICLE II. - MEMBERSHIP

SECTION A. ~~The Association will have the following classes of membership:~~ ASSOCIATION MEMBERSHIP CLASSES

1. ALUMNI. All persons who have been enrolled and successfully completed one academic term as a full-time student at the University will be Alumni;:-
2. CONSTITUENTS. All employees, donors, supporters, advocates, associates and friends of the University, together with families of (a) all of the foregoing, (b) students of the University and (c) Alumni.
- ~~3. HONORARY ALUMNI. Subject to reasonable due diligence and a background check, any Constituent(s) may be granted or removed from Honorary Alumni status, in recognition of conspicuous, ongoing, enduring and dedicated service on behalf of the University or the Association.-~~
- ~~4. MEMBERS. Those classifications of individuals identified in this Section and all other persons who pay the continuing annual, five-year or lifetime dues as established by the Association from time to time shall be members (individually, a "Member" and collectively "Members") of the Association.-~~

#### ~~SECTION B. RIGHT TO HOLD OFFICE-~~

~~. Everyone who serves on the Association's Board (individually a "Director" and collectively, "Directors") must be a Member of the Association. Every Director who serves on a committee of the Association's Board shall be a Director and be appointed by the chair ("Chair") of the Board.-~~

#### SECTION B. PROPERTY RIGHTS

. No Member shall have any right, title or interest in any of the property or assets, including any earned or investment income of this Association, nor shall any of the property or assets be distributed to any Member upon dissolution of the Association.

### ARTICLE III. - SEMINOLE CLUBS AND CHAPTERS

#### SECTION A. PURPOSE

. This Association, with the support, funding and authorization of the University, shall establish, promote and serve local clubs (collectively, "Seminole Clubs" or "Clubs") and chapters (collectively, "Seminole Chapters" or "Chapters") and similar groups composed of Members and Constituents. The purpose of these Clubs and Chapters is to further the purposes of the University by supporting academic, athletic and other programs.

#### ~~SECTION C. ORGANIZATION-~~

~~Any individual or group desiring to organize as a Chapter shall notify the Association. To be formally established, a Chapter must be approved by the Board for club status. Further, the Board of the Association has the authority to terminate a Club or Chapter at any time by a two-thirds (2/3) vote of its Directors present at a regular meeting.~~

## **ARTICLE IV. ~~CONSTITUENT NETWORKS~~**

### **SECTION A. ~~PURPOSE~~**

~~From time to time, the Board may recognize affiliated groups of the University (individually, a “Constituent Network” and collectively, “Constituent Networks”) organized to further the purposes of the University. Such Constituent Networks will be organized and recognized and regulated in accordance with policies or criteria to be established by the Board from time to time.~~

## **ARTICLE IV.- MEETINGS OF THE ASSOCIATION ~~AND ITS MEMBER~~**

### **SECTION B. ~~SPECIAL ANNUAL MEETINGS (MOVED TO ARTICLE V, SECTION B)~~**

~~An Annual Special Meetings of the Association and its Members shall be held as determined by the Chair in consultation with the President and CEO. One of which shall be the Annual Meeting, held in the Spring each year. The time and place of the Annual Meeting shall be announced by written notice conveyed to the Members and Directors at least thirty (30) calendar days in advance of the meeting.~~

### **SECTION A. MEETINGS**

. The Board shall hold at least three meetings yearly, including the Annual Meeting. ~~The Board shall meet during the Annual Meeting of the Association prescribed by Article V, Section I A.~~

1. The time and place of meetings of the Board shall be announced ~~and conveyed to the Members and Directors~~ by written notice at least thirty (30) calendar days in advance of the meeting;
- ~~2. A special meeting of the Board may be held at any time upon reasonable notice no less than three (3) calendar days in advance to the Members and Directors called by the Chair or President and CEO; (MOVED TO ARTICLE V, SECTION C, POINT 2)~~
3. Public notice of any meeting of the Board or any committee shall be made by posting notice in a section of the Association’s website maintained for the purpose of providing public notices of meetings of the Board and committees;
4. Minutes of all meetings shall be taken by the Secretary or Secretary’s designee and submitted to the Board for review and approval at a future board meeting.

## SECTION B. ~~SPECIAL-ANNUAL~~ MEETINGS

. ~~An Annual~~ Special Meetings of the Association ~~and its Members~~ shall be held as determined by the Chair in consultation with the President and CEO. ~~One of which shall be the Annual Meeting, held in the Spring each year. The time and place of the Annual Meeting shall be announced by written notice conveyed to the Members and Directors at least thirty (30) calendar days in advance of the meeting.~~

. A special meeting of the Board may be held at any time upon reasonable notice no less than three (3) calendar days in advance ~~to the Members and Directors~~ called by the Chair or President and CEO;

## SECTION C. ~~SPECIAL MEETINGS~~

~~.- Special meetings of the Association and its Members for any purpose may be called by the Chair or President and CEO or at the request in writing of a majority of the Directors. Special meetings shall be held at the time and place as designated by the Chair or the President and CEO.~~

## ARTICLE V. - DIRECTORS

### SECTION A. DEFINITIONS

1. Continuing Director: A voting Director ~~serving~~ who serves as a result of ~~elected~~ their position as approved by the President and CEO, Chair and Executive Committee;
2. Ex-Officio Director: A non-voting Director ~~with all of the duties and obligations of a Regular or Continuing Director; appointment term is~~ designated by each of the following organizations:
  - (i) Chair of the Foundation Board of Trustees;
  - (ii) Chair of the Seminole Boosters, Inc.;
  - (iii) Student Body President;
  - ~~(iv) Chair of the Faculty Senate~~
3. Regular Director: A voting Director elected ~~named~~ through an application, interview, and voting process; ~~serves one 3 year term with the ability to remain for a second 3 year term at the invitation of the Board Chair in consultation with the President and CEO and Secretary.~~



4. Invited Guests: From time to time at the invitation of the President and CEO and Board Chair, Guest Speakers will be invited to board meetings for presentations. Guest Speakers will be present to speak on matters to advance the University and inform/educate Board Members.

. General guests are welcome to attend Full Board Meetings and observe. This includes, but is not limited to, former ~~b~~Board ~~m~~Members and former ~~b~~Board ~~e~~Chairs.

## SECTION B. POWERS

. The primary functions of the Board include establishment of policy, organizational vision and prudent care and development with respect to the Association's Members and resources. The Board determines the general and financial policies of the Association and may delegate the performance of any duties or the exercise of any powers to the Officers, committees and its designees as the Board determines by resolution.

## SECTION C. RESOLUTION

. The Board may, after duly adopting an appropriate resolution, authorize any Officer of this Association, in addition to the Officers authorized by these Bylaws, to enter into any contract or to execute and deliver any instrument in the name of and on behalf of the Association. The authority may be general or confined to specific instances.

## SECTION D. ELIGIBILITY

. Only Alumni ~~who are Members~~ who have made an academic gift to the University within the previous fiscal year shall be eligible to serve on the Board.

## SECTION E. NUMBER OF DIRECTORS

. The number of Continuing and Regular Directors serving on the Board shall not exceed forty (40) voting members ~~(40)~~.

1. The Board shall include seven (7) continuing directors (collectively, the "Continuing Directors"):
  - (i) the President and CEO of the Association;
  - (ii) the President of the University (or his or her designee);
  - (iii) the President of the FSU ~~Emeritus~~ Emeriti Board;
  - (iv) the President of the FSU Black Alumni Board;
  - (v) the President of the Student Alumni Association;
  - (vi) the Chair of the FSU Board of Trustees (or his or her designee);
  - (vii) a designated representative of the Seminole Tribe of Florida.

2. Other members shall be appointed by the Board (all directors other than the Continuing Directors collectively referred to as the “Regular Directors”), with:

~~Ten (10) of such Directors subject to approval by the President of the University.~~  
at least eight (8) Regular Directors residing outside the State of Florida as of the commencement of their service as a Director.

SECTION F. ~~DEFINITIONS. (THIS SECTION WAS MOVED TO ARTICLE VI, SECTION A)~~

- ~~1. Continuing Director: A voting Director serving as a result of elected position as approved by the President and CEO, Chair and Executive Committee.~~
- ~~2. Ex-Officio Director: A non-voting Director with all of the duties and obligations of a Regular or Continuing Director; appointment term is designated by the organization represented:~~
  - ~~(a) Chair of the Foundation Board of Trustees~~
  - ~~(b) Chair of the Seminole Boosters, Inc.~~
  - ~~(c) Student Body President~~
  - ~~(d) Chair of the Faculty Senate~~
  - ~~(e) Regular Director: A voting Director named through an application, interview, and voting process; serves one 3-year term with the ability to remain for a second 3-year term at the invitation of the Board Chair in consultation with the President and CEO and Secretary.~~
- ~~3. Invited Guests: From time to time at the invitation of the President and CEO and Board Chair, Guest Speakers will be invited to board meetings for presentations. Guest Speakers will be present to speak on matters to advance the university and inform/educate Board Members.~~
- ~~4. General guests are welcome to attend Full Board Meetings and observe. This includes, but is not limited to, former board members and former board chairs.~~

SECTION F. TERMS OF DIRECTORS

. A Regular Director shall be elected ~~or appointed~~ to a three-year term. ~~Terms shall be staggered such that up to one-third of all Regular Directors stand for re-election or re-appointment every year.~~ Regular Directors may be invited ~~re-elected or re-appointed~~ for one additional three-year term by the Board Chair in consultation with the President and CEO and the Vice Chair. ~~Terms shall be staggered such that up to one-third of all Regular Directors stand for re-election or re-appointment every year. Continuing Directors shall be appointed to a term which is equivalent to the term of their position which allows for their appointment. Continuing Directors shall be appointed to a one-year term.~~ If a Continuing Director is elected to the board as a Regular Director and serves an initial three-year term, he or she may be invited ~~re-elected~~ for one additional three-year term by the Board Chair in consultation with the President and CEO and

the Vice Chair. If a Regular Director is an officer, that director may be invited ~~re-elected~~ for such additional time needed to fulfill the requirements of that office. Following a hiatus of three (3) years from membership on the board, former Directors become eligible for election under the same terms and conditions described for initial board membership. If a Director is deployed into active duty of the United States military, and is ~~unable-not able~~ to continue serving a specific term of office, such Director's remaining tenure on the board shall be extended for the amount of time of the deployment, but shall not exceed three years.

## SECTION G. COMMITTEES.

. The Board shall establish an executive committee, a board development committee and an audit and finance committee and approve a committee charter for each. In consultation with the President and CEO, the Board may designate one or more other committees, each committee to consist of one or more of the Directors of the Association. The charter for such additional committees must be approved by the executive committee. Any committee, to the extent allowed by law and provided in the committee charter approved by the Board establishing such committee, shall have and may exercise all the powers and authority of the Board in the management of the business and affairs of the Association. Each committee shall keep regular minutes and report to the Board when required. A majority of any committee may determine its action and fix the time and place of its meetings. Notice of such meetings shall be given to each member of the committee in the manner provided for in these bylaws. The Board Chair shall have power at any time to fill vacancies in, or to change the membership of any such committee. Any committee designated by the ~~B~~oard may be dissolved by a majority vote of the Board.

## SECTION H. VACANCIES AND REMOVAL

. Vacancies may arise in the event of resignation, removal, death, incapacity, absence, inability, or refusal to act by a Director. Any Director may resign from the Board at any time upon delivering written notice to the Chair. If any vacancy occurs among Regular Directors of the Board, the Chair in consultation with the President and CEO may nominate a replacement Director to be approved by a vote of the Board. ~~To the extent that the resigning director was approved by the University President such Director's replacement will also be subject to approval by the University President.~~ A replacement Director so approved shall assume the vacant position. Once assuming their position, the replacement director will begin their own, full, three-year term. As with any new director, they will be eligible to serve two full terms and the replacement term is the first of those. ~~hold office for the duration of the replaced Director's remaining term. Any Director approved to fulfill the remainder of his or her predecessor's term due to resignation, removal, or other cessation of that term of that predecessor Director shall be eligible for election to two full subsequent terms as a Director.~~

. In addition to vacancies presented by the preceding circumstances, it may be necessary, in rare cases, to remove existing Directors for various reasons prior to the end of his or her term. The removal of a Director can only be undertaken through the following process:

1. A removal petition, signed by two existing Directors and the President and CEO, is brought to the Board Development Committee for discussion;

2. Subsequent to discussion, the Board Development Committee votes whether to send the removal request to the full Board. Passage must be by two-thirds (2/3) of the Committee;
3. Subsequent to passing the Ccommittee, the motion is brought before the full Board for discussion and voting. Passage must be by two-thirds (2/3) of the Board at the Board Meeting.

#### SECTION J. **MEETINGS (MOVED TO ARTICLE V, SECTION B)**

~~The Board shall hold at least three meetings yearly, including the Annual Meeting. The Board shall meet during the Annual Meeting of the Association prescribed by Article V, Section 1.~~

1. ~~The time and place of meetings of the Board shall be announced and conveyed to the Members and Directors by written notice at least thirty (30) calendar days in advance of the meeting.~~
2. ~~A special meeting of the Board may be held at any time upon reasonable notice no less than three (3) calendar days in advance o the Members and Directors called by the Chair or President and CEO.~~
3. ~~Public notice of any meeting of the Board or any committee shall be made by posting notice in a section of the Association's website maintained for the purpose of providing public notices of meetings of the Board and committees.~~
4. ~~Minutes of all meetings shall be taken by the Secretary or Secretary's designee and submitted to the Board for review and approval at a future board meeting.~~

#### SECTION I. VOTING

1. Quorum For Board Action. One-half (1/2) of the Directors then serving (excluding any vacancies on the Board) constitutes a quorum of the full Board. An action approved by a majority of the Directors present at a meeting of the Board at which a quorum is present constitutes an act of the Board. A majority vote consists of more than one-half (1/2) of the votes cast at a meeting at which a quorum is present;
2. Quorum for Committee Action. One-half (1/2) of the Directors then serving on a committee of the Board (excluding any vacancies on the applicable committee) constitutes a quorum of that respective committee. An action approved by a majority of the Directors present at a meeting of the committee at which a quorum is present constitutes an act of that committee. A majority vote consists of more than one-half (1/2) of the votes cast at a meeting at which a quorum is present;
3. Voting By Proxy. A Director may not vote by proxy, and may not appoint any person to serve as his or her proxy, in connection with any Board or Board committee meeting or other Board or Board committee action;
4. Voting, Sunshine Law. Any action required or permitted by the Florida Not For Profit Corporation Act, University Regulation 6C2R-2.025, Board of Governors Regulation

9.011, or these bylaws to be taken at a Board meeting or Board committee meeting shall be taken in accordance with Chapter 286, Florida Statutes.

## ARTICLE II. - DUTIES OF OFFICERS AND DIRECTORS

### SECTION A. GENERAL RESPONSIBILITIES

. The Officers and Directors of the Association shall have the following duties and responsibilities:

1. All Directors shall be subject to the following expectations and standards: (a) Directors are expected to attend Board and Committee meetings, make meaningful contributions to the Association, provide financial support in the form of a donation to the University in an amount determined by the board each year, remain engaged with the Association and its Members and advance the purposes and objectives of the Association outlined in Article I, Section D; (b) Directors are expected to comply fully and completely with the Conflict of Interest provisions contained in Article VII, Section C; and (c) Directors shall not commit any actions that cause or are reasonably calculated to cause the Association ~~or its Members~~ or the University to suffer any adverse or negative consequences~~;~~
2. ~~All Directors shall support University Advancement initiatives philanthropically on an annual basis, with a minimum donation of \$1,000 in support of student success, and prospective Directors shall be advised of this prior to appointment to the Board.~~
3. Chair – Serves as the Chair of the Board; in consultation with the President and CEO setting the agenda for and presiding at all meetings of the Board and the Members; serves as the Parliamentarian at meetings of the Board, the Association and its Members when the Secretary is not present; appoints the standing committees, appoints special committees; serves as a member of all committees; serves as a voting member of the executive committee and the full board; serves as a voting member where a quorum is needed on all other committees; and exercises the powers generally associated with the Chair of the Board. The Chair will automatically serve as the Immediate Past Chair in the Fiscal Year commencing upon the expiration of the Chair's term. The Chair shall serve a term of two years;
4. Vice Chair – Takes on the responsibilities of the Chair in the event of the Chair's death, disability, resignation or absence; serves as a voting member of the executive committee and the full board; serves as a voting member where a quorum is needed on all other committees~~;~~ ~~serves as an Ex-Officio Member of all committees in absence of the Chair.~~ The Vice Chair will automatically serve as Chair in the Fiscal Year commencing upon the expiration of the then Chair's term. Directors are eligible to run for this office during their first five (5) years of service. Directors are ineligible to run for this office during their 6<sup>th</sup> year of service and beyond.
5. Secretary – Serves as the secretary to the Board and as Parliamentarian at all meetings of the Board, the Association and its Members; prepares the official minutes of all meetings of the Board and the Members, signs and attests to instruments and documents as required. Directors are ineligible to run for this office during their last year of service.

6. Treasurer – Serves as the treasurer of the Board; assists in the direction of the development and maintenance of the financial accounts and records; ~~signs and certifies all checks, drafts, vouchers, notes, instruments and documents as required in the event of the President and CEO's death, disability, resignation or absence, or at the direction of the Chair.~~ Directors are ineligible to run for this office during their last year of service;
7. Immediate Past Chair – Serves on the Executive Committee for one year; ~~and as Chair of the Awards Committee and is available for advice and consultation with the Officers and Directors of the Association on an as-needed basis;~~
8. President and CEO – Serves as the chief executive officer of the Association; ~~serves as parliamentarian at meetings of the Board, the Association and its Members when the Secretary is not present; serves as a member of all special Board committees;~~ and exercises the powers generally associated with the Office of the President and CEO. The President and CEO is not empowered to authorize or consummate any individual transactions or expenditures in excess of Twenty-Five Thousand and No/100 Dollars (\$25,000.00) annually without the express written consent and approval of the Board except when included in the Association's approved budget. ~~The President and CEO of the Association shall be selected and appointed by the Board, with prior approval of the President of the University, and shall report to the President of the University or the University President's designee, and the University's Board of Trustees. The President and CEO of the Association shall be an employee of the University, and the University shall be responsible for the President and CEO's base salary and employee benefits. Additional employment benefits or compensation may be provided by the Association to the President and CEO, subject in all respects to applicable law.~~

## SECTION B. NO DISCRIMINATION

. The Association will follow and enforce the non-discrimination policies established and modified by Florida State University from time to time.

## SECTION C. CONFLICT OF INTEREST

1. Directors stand in a fiduciary relationship to the University and the Association. Therefore, Directors shall act in good faith, with due regard to the best interests of the University and Association. The Association shall maintain the highest ethical standards in all of its operations in order to protect and preserve the Association's good name, business interests, and relationships with the donors and the community at large;
2. A Director is considered to have a conflict of interest if:
  - (i) The Director has existing or potential financial or other interests in a matter before the Board which might reasonably be calculated to impair that Director's independent, unbiased judgment in the discharge of the Director's responsibility; or



- (ii) The Director is aware that a family member in his/her household, or any organization of which the Director is an officer, director, employee, member, partner, agent, trustee or stockholder, has existing or potential financial or other interest in such matter before the Board;
- 3. No Director may vote on any matter in which that Director has a conflict of interest;
  - . Additionally, the minutes from that meeting shall reflect that a disclosure was made that the Director, having a conflict of interest, abstained from voting;
- 4. A Director who is uncertain of a conflict of interest may request the Board or Executive Committee to resolve the uncertainty by majority vote.

### **ARTICLE III. – FINANCIAL AFFAIRS**

#### **SECTION A. SOURCE OF FUNDS**

. The Board, in conjunction with the University, shall establish sources of funds to ensure adequate operation of the Association for the Fiscal Year. ~~Such funding sources shall include, but not be limited to, member dues established by the Board from time to time.~~

#### **SECTION B. BUDGETS & AUDITS**

. ~~The Board approves the budget and reviews and approves the annual audit. President and CEO in consultation with the Association's staff and representatives of the Foundation's accounting staff shall prepare a proposed annual budget for revenues and expenditures of the Association, which shall be reviewed by the Audit and Finance Committee and submitted for approval by the Board. After approval by the Board, the proposed annual budget shall be submitted to the President of the University for his review and recommendation to the University's Board of Trustees for approval. The annual budget shall be completed and submitted for approval in accordance with the requirements of the University. The President and CEO shall ensure that quarterly reports of expenditures are provided to the President of the University, or his or her designee, and to the Treasurer~~

#### **SECTION C. AUDITS**

~~— An audit of the Association's financial statements shall be performed in accordance with generally accepted auditing standards ("GAAS") promulgated by the American Institute of Certified Public Accountants by a Florida-certified public accountant at the close of every Fiscal Year. The Audit and Finance Committee shall meet annually with the independent auditor in audit session about internal controls and the completeness and accuracy of the Association's financial statements. All audit reports required by GAAS, including an expression of an opinion as to the fairness of the presentation of the Association's financial statements under GAAS, shall be presented to the Audit and Finance Committee and made available to the Board. A copy of the audit report shall be available for review by Members at the Executive Office of the Association.~~

~~— The appointment of the auditor shall be approved by the Audit and Finance Committee. The Audit and Finance Committee shall evaluate the auditor's qualifications, performance and~~

~~independence annually. Such evaluation should include the review and evaluation of the lead partner of the independent auditors and take into account the opinions of the Association's management. Within a recommended time frame of every three to five years, the Audit and Finance Committee shall consider rotation of the audit partner and/or key engagement staff, and shall also consider solicitation of bids for performance of the audit and preparation of Form 990 by qualified, reputable firms with experience in performing audits of non-profit organizations.~~

## **ARTICLE IV. - EXECUTIVE OFFICE**

### **SECTION A. EXECUTIVE OFFICE**

. The Association shall establish and maintain an Executive Office at the University, or at such other location in Tallahassee, Florida as may be designated by the Board from time to time. The Executive Office shall be the central headquarters for the Association. All corporate ~~membership~~ records, budgets, financial accounts and records, minutes, instruments, documents, other records and reports shall be kept in the Executive Office, except that funds and other specified items shall be deposited in banks and other institutions as directed by the Board from time to time.

## **ARTICLE V. - AMENDMENTS TO BYLAWS**

### **SECTION A. BY BOARD**

. As provided in Article VIII of the Articles of Incorporation of the Association, these Bylaws may be made, altered or rescinded, in whole or in part, by a majority vote of the board.

### **SECTION B. PROPOSALS BY DIRECTORS**

1. Any voting director who wishes to propose an amendment or revision to the Bylaws shall submit the proposal to the Chair~~man~~ with a copy to the Secretary at least thirty (30) calendar days prior to the date of the regular annual meeting of the Board;.
2. The Chair~~man~~ and/or Secretary shall provide written notice of the proposed amendment or revision to each Director at least fifteen (15) calendar days prior to the date of the next regular annual meeting of the Board and shall place the proposal on the agenda for the regular annual meeting.

### **SECTION C. APPROVAL OF BOARD OF TRUSTEES**

. If approved, the amendment or revision shall be submitted by the President of the University to the Board of Trustees of the University for its approval. Upon approval by the Board of Trustees of the University, the amendment or revision shall become immediately effective.

### **SECTION D. PUBLICATION**



. A copy of the Articles of Incorporation and these Bylaws, and any amendments or revisions thereto, shall be available for review ~~in the Executive Office of the Association.~~

## **ARTICLE VI. - OTHER MATTERS**

### **SECTION A. LIMITATIONS**

. The articles of incorporation and bylaws of the ~~a~~Association will be consistent with the laws of the State of Florida and all applicable rules of the University and the University's Board of Trustees.

### **SECTION B. RULES OF ORDER**

. All meetings shall be conducted according to the provisions contained in the latest edition of Robert's Rules of Order, Newly Revised, which shall also be the authority for all matters of procedures not specifically covered by these ~~B~~bylaws or by special rules of procedure adopted by the Association. Where the language of these ~~B~~bylaws comes in conflict with Robert's Rules of Order, Newly Revised, the language of these ~~B~~bylaws shall control. When determining the order of business for a meeting, the Board Chair, committee chair or staff liaison has the authority to deviate from the standard order of business outlined in Robert's Rules of Order, Newly Revised.

## **ARTICLE VII. - LIABILITY**

### **SECTION A. MEMBERS**

. No Member will be personally liable for any of the Association's debts, liabilities or obligations, nor will any Member be assessed for the debts, liabilities or obligations of the Association;

### ~~SECTION B. SEMINOLE CLUBS AND CHAPTERS.~~

~~. The Association shall not be liable or in any way responsible for any actions of the local Seminole Clubs or Seminole Chapters, including, without limitation, any negligence or willful misconduct of such Clubs or Chapters or their members agents, employees or invitees.~~

### ~~SECTION C. CONSTITUENT NETWORKS~~

~~. The Association shall not be liable or in any way responsible for any actions of such Constituent Networks or their members, agents, employees or invitees, including, without limitation, any negligence or willful misconduct of such Constituent Networks or their members, agents, employees or invitees.~~

### **SECTION D. INDEMNIFICATION OF DIRECTORS**

. Each person (including the heirs, executors, administrators, or estate of such person) (1) who is or was a Director or Officer of the Association, or (2) who is or was an agent, employee or representative of the Association other than an Officer and as to whom the Association has agreed

to grant such indemnity, shall be indemnified by the Association as of right to the fullest extent permitted or authorized by law ~~current or future legislation or by current or future judicial or administrative decision~~, against any fine, liability, cost or expense, including attorneys' fees, asserted against him or incurred by him in his capacity as such Director, Officer, agent, employee or representative. The foregoing right of indemnification shall not be exclusive of other rights to which those seeking such indemnification may be entitled. The Association may maintain insurance, at its expense, to protect itself and any such person against any fine, liability, cost or expenses, whether or not the Association would have the legal power to directly indemnify such person against such liability.

#### Provisions Relating to Transition

*ARCHIVED June 22, 2022*

1. The office of Chair-Elect: The aforementioned office will cease to exist June 30, 2022 and all references to it shall be null and void. Effective July 1, 2021 the position of Vice Chair will replace the office of Chair-Elect. The next election for the office of Vice Chair will occur in the spring of 2022.



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEMS M-P



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Audit and Compliance Committee*

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#### CONSENT ITEMS M-P

**June 20, 2024**

**SUBJECT:** New External Auditors

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#### **PROPOSED COMMITTEE ACTION**

- I. FSU Foundation and Alumni Association request approval for a joint 5-year contract and the Real Estate Foundation requests approval for a 2-year contract with Crowe, LLP.
- II. FSU Student Investment Fund requests approval for a 5-year contract renewal with Lanigan & Associates, PC.
- III. FSU Schools requests approval for a 1-year contract with James Moore & Co, PL.
- IV. FSU Panama City Collegiate School requests approval for a 5-year contract with James Moore & Co, PL.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

1. FSU Regulation 2.025, Section 9(c): Each DSO audit committee shall select the audit firm to perform the DSO financial statement audit. The DSO audit committee shall forward its selection to the DSO Board for their approval. The DSO Board shall then forward the name of the selected audit firm to the BOT for final approval.
2. FSU Regulation 2.025, Section 9(d): All new audit firm contracts will be for up to a five-year period. At the end of the period, the DSO may elect to extend the first contract for up to an additional five-year period or, at its option, issue another Request for Proposal (RFP) for the next period. If the DSO chooses to issue an RFP for the second period, the current audit firm may respond to the RFP for consideration for the additional period.
3. Office of Audit and Advisory Services' Charter, Section 12(p): OAAS will have primary responsibility for implementing, coordinating, and managing contracts involving external financial, performance, or

compliance audits. OAAS will assist and provide technical advice and support to the BOT A&C in its oversight of DSOs that select external auditors/consultants to perform work for them.

4. Audit and Compliance Committee Charter, Section 9(5): Provide oversight of component units (DSOs and auxiliaries) that select external auditors to perform audit work.

### **BACKGROUND INFORMATION**

- I. The Foundation Board approved the request on May 17, 2024, and the Alumni Board approved the contract request on May 17, 2024.

The Real Estate Foundation is in the process of ending operations by Dec 31, 2024. However, they will need to hire an external audit firm to complete their FY2024 audit and the partial FY2025 audit. Their Board has delegated authority to Kevin Graham to take the necessary actions to dissolve the Real Estate Foundation. Crowe, LLP has been selected to perform the FY2024 and FY2025 audits.

- II. The College of Business Student Investment Fund Board approved the contract renewal request on February 8, 2024
- III. The Florida State University Schools Board approved the contract request on April 9, 2024.
- IV. The Collegiate School Board approved the contract request on April 4, 2024. The Collegiate School submitted a previous request to the BOT in September 2023 to contract with an external auditing firm (BKHM). The BOT approved the request; however, BKHM would not agree to the University's terms and conditions, so the Collegiate School decided to select another firm.

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

*No additional Committee Considerations*

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**Supporting Documentation Included:** Request for Approval I – IV Memo and BOT Request for DSO Audit Firms.

**Submitted by:** Undra Baldwin



FLORIDA STATE UNIVERSITY  
OFFICE OF AUDIT AND ADVISORY SERVICES

**MEMORANDUM**

**TO:** Dr. Richard McCullough, President  
**FROM:** Undra Baldwin, Chief Audit Officer  
**DATE:** May 31, 2024  
**SUBJECT:** Consent Agenda Items for the June 20, 2024, BOT Meeting

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Please find enclosed the following contract requests for external auditing services:

1. FSU Foundation and Alumni Association request approval for a joint 5-year contract and the Real Estate Foundation requests approval for a 2-year contract with Crowe LLP.
2. FSU Student Investment Fund requests approval for a 5-year contract renewal with Lanigan & Associates, PC.
3. FSU Schools requests approval for a 1-year contract with James Moore & Co, PL.
4. FSU Panama City Collegiate School requests approval for a 5-year contract with James Moore & Co, PL.

I respectfully request that these items be placed on the BOT Consent Agenda for the June 20, 2024, BOT meeting.

Thank you.

Attachment

**From:** [Michael Williams](#)  
**To:** [Undra Baldwin](#)  
**Cc:** [Judd Enfinger](#); [Michael Williams](#)  
**Subject:** RE: A&C Committee Approval Items  
**Date:** Thursday, May 9, 2024 8:27:55 AM  
**Attachments:** [image003.png](#)

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Undra,

We need BOT approval for the following DSOs:

- **Action Item I: Request for Approval** – The FSU Foundation, Alumni Association, and Real Estate Foundation are requesting a joint 5-year contract with Crowe LLP
- **Action Item II: Request for Approval** – The FSU Student Investment Fund is requesting a 5-year contract renewal with Lanigan & Associates, PC
- **Action Item III: Request for Approval** – The FSU Panama City Collegiate School is requesting a 5-year contract with James Moore & Co, PL
- **Action Item IV: Request for Approval** – The FSU School is requesting a 1-year contract with James Moore & Co, PL

You will notice that the FSU Panama City Collegiate School is requesting approval again. The Audit Committee approved their request back in September 2023 to use BKHM; however, the firm would not agree to the University's terms and conditions, so the School had to select another audit firm. We expect to have all the DSO Board approvals before the BOT meeting in June.

Let me know if you need additional information for your Friday deadline.

Thank You,

*Michael*

**Michael Williams, CPA**  
Associate Vice President  
Florida State University  
850.644.7351



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**From:** Undra Baldwin <ub22@fsu.edu>  
**Sent:** Wednesday, May 8, 2024 3:02 PM  
**To:** Michael Williams <mswilliams@fsu.edu>; Judd Enfinger <jenfinge@fsu.edu>  
**Subject:** A&C Committee Approval Items

Hi Michael and Judd,

Just checking to see if we have any new auditor requests that I need to include in my A&C Committee packet. The deadline to submit topic titles is Friday. Thanks.

Regards,  
Undra



FLORIDA STATE  
UNIVERSITY

***Undra Baldwin (he/him/his)***  
***MS CYBR, MBA, CIA, CISA, CDPSE, CFE, CIG***  
*Chief Audit Officer*  
Office of Audit and Advisory Services  
222 South Copeland Street  
Westcott Building, Suite 407  
Tallahassee, Florida 32306-1390  
direct: (850) 644-0651  
office: (850) 644-6031  
email: [ubaldwin@fsu.edu](mailto:ubaldwin@fsu.edu)



PROPOSED AUDIT FIRMS FOR BOT APPROVAL  
JUNE 20, 2024

**ACTION ITEM I**

Crowe (FSU Foundation, Inc.)		
Engagement Period	Audit Fee	Form 990 Fee
Fiscal Year Ending June 30, 2024	\$110,000	\$32,700
Fiscal Year Ending June 30, 2025	\$113,300	\$33,700
Fiscal Year Ending June 30, 2026	\$166,700	\$34,700
Fiscal Year Ending June 30, 2027	\$120,200	\$35,700
Fiscal Year Ending June 30, 2028	\$123,800	\$36,800
Totals	\$634,000	\$173,600
Foundation Board Approved May 17, 2024. Estimate an addition \$20K annually for preparation of various tax forms (K-1s, 926, 8865, etc.)		

Crowe (FSU Alumni Association, Inc.)		
Engagement Period	Audit Fee	Form 990 Fee
Fiscal Year Ending June 30, 2024	\$32,500	\$6,700
Fiscal Year Ending June 30, 2025	\$33,500	\$6,900
Fiscal Year Ending June 30, 2026	\$34,500	\$7,100
Fiscal Year Ending June 30, 2027	\$35,500	\$7,300
Fiscal Year Ending June 30, 2028	\$36,500	\$7,500
Totals	\$172,500	\$35,500
Alumni Board Approved May 17, 2024.		

Crowe (FSU Real Estate Foundation, Inc.)		
Engagement Period	Audit Fee	Form 990 Fee
Fiscal Year Ending June 30, 2024	\$15,000	\$2,000
Fiscal Year Ending June 30, 2025	\$15,400	\$2,100
Totals	\$30,400	\$4,100
Approved by Kevin Graham May 24, 2024, who was delegated authority from Real Estate Foundation Board.		

**ACTION ITEM II**

Lanigan & Associates (College of Business Student Investment Fund, Inc.)	
Engagement Period	Audit & 990 Fee
Fiscal Year Ending June 30, 2024	\$10,000
Fiscal Year Ending June 30, 2025	\$10,000
Fiscal Year Ending June 30, 2026	\$10,000
Fiscal Year Ending June 30, 2027	\$10,000
Fiscal Year Ending June 30, 2028	\$10,000
Total	\$50,000
Approved by COB Student Investment Fund Board February 8, 2024.	

**ACTION ITEM III**

James Moore (FSU Collegiate School, Inc.)		
Engagement Period	Audit Fee	Form 990 Fee
Fiscal Year Ending June 30, 2024	\$20,000	\$2,500
Fiscal Year Ending June 30, 2025	\$20,000	\$2,500
Fiscal Year Ending June 30, 2026	\$20,000	\$2,500
Fiscal Year Ending June 30, 2027	\$20,000	\$2,500
Fiscal Year Ending June 30, 2028	\$20,000	\$2,500
Totals	\$100,000	\$12,500
Approved by School Board on April 4, 2024. 3-year agreement with option to renew for 2 one-year periods.		

**ACTION ITEM IV**

James Moore (FSU School, Inc.)		
Engagement Period	Audit Fee	Form 990 Fee
Fiscal Year Ending June 30, 2024	\$27,000	N/A
Total	\$27,000	
Approved by School Board on April 9, 2024.		



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM Q



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Audit and Compliance Committee*

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#### CONSENT ITEM Q

June 20, 2024

**SUBJECT:** OAAS FY 2024-2025 Audit Plans

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#### **PROPOSED COMMITTEE ACTION**

FSU OAAS' request for BOT approval of the FY2024-2025 OAAS Annual Audit Plan.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

1. BOG Regulation 4.002, Section 6(d): The chief audit executive shall develop audit plans based on the results of periodic risk assessments. The plans shall be submitted to the board of trustees for approval. A copy of the approved audit plans will be provided to the appropriate university management and the Board of Governors.
2. OAAS Charter, Section 12(d): Provide the approved workplan to appropriate University management and the BOG's Office of Inspector General. The workplan will be revised as needed to meet the requests and needs of the President, BOT, and the University.
3. Audit and Compliance Committee Charter, Section 10(1): Review and approve the annual work plan, ensuring it addresses key areas of risk.

#### **BACKGROUND INFORMATION**

One of the main purposes of an annual audit plan is that it allows OAAS to prioritize and allocate resources to areas that present the greatest risk to the University and where our audits and reviews can provide the most value. In addition, an audit plan assists OAAS in the examination and evaluation of the adequacy and effectiveness of the University's governance, risk management, and internal controls, as well as the quality of performance in carrying out assigned responsibilities to achieve the University's stated goals and objectives.

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

*No additional Committee Considerations*

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**Supporting Documentation Included:** Request for Approval V Memo, FY2024-2025 Operational Audit Plan, and FY2024-2025 Information Technology Audit Plan.

**Submitted by:** Undra Baldwin



FLORIDA STATE UNIVERSITY  
OFFICE OF AUDIT AND ADVISORY SERVICES

**MEMORANDUM**

**TO:** Dr. Richard McCullough, President  
**FROM:** Undra Baldwin, Chief Audit Officer  
**DATE:** May 31, 2024  
**SUBJECT:** Consent Agenda Items for the June 20, 2024, BOT Meeting

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Please find enclosed the FSU Office of Audit and Advisory Services' (OAAS) request for BOT approval of the FY 2024-2025 OAAS Audit Plan.

I respectfully request that this item be placed on the BOT Consent Agenda for the June 20, 2024, BOT meeting.

Thank you.

Attachment



FLORIDA STATE UNIVERSITY  
OFFICE OF AUDIT AND ADVISORY SERVICES

**FY 2024-2025 Operational Audit Plan**

**Approach/Factors:**

1. Risks (e.g., IT, reputation, financial, operational, and legal)
2. Previous internal/external audit results and the last time the area was audited
3. Mandated by the BOG, Florida Statutes, or Federal Regulation
4. Analysis of previous audits and observations during audits
5. Financial Data
6. Change(s) in leadership and vacancy rate data
7. Previous investigations
8. Decentralized vs. centralized operations
9. Feedback from the President and Executive Leadership

	Project	Area	Project Description	Type of Project	Previously Audited	Rating
1	Performance-Based Funding Metrics Data Integrity Certification Audit (mandated)	Academic Affairs	The purpose of this audit, mandated by the State University System of Florida (SUSF), Board of Governors (BOG), is to assess controls that address the topic of data integrity, including an analysis of the processes, procedures, system-based controls, and other data verification measures in place to support the integrity of information presented by the University to the BOG for the University's Performance-Based Funding calculations.	Annual Audit	Annual Audit	High
2	Preeminent Research University Funding Metrics Data Integrity Certification Audit (mandated)	Academic Affairs	The purpose of this audit, mandated by the SUSF, BOG, is to assess controls that address the topic of data integrity, including an analysis of the processes, procedures, system-based controls, and other data verification measures in place to support the integrity of information presented by the University to the BOG for the University's Preeminence Funding calculations.	Annual Audit	Annual Audit	High
3	BOG Regulation 9.012 Foreign Influence (mandated)	Compliance	The purpose of this audit, mandated by the SUSF, BOG, is to assess the University's compliance with BOG Regulation 9.012, Foreign Influence.	Audit	No	High



FLORIDA STATE UNIVERSITY  
OFFICE OF AUDIT AND ADVISORY SERVICES

**FY 2024-2025 Operational Audit Plan**

	Project	Area	Project Description	Type of Project	Previously Audited	Rating
4	Construction	Finance and Administration	The purpose of this audit will be to determine if construction costs are documented and in compliance with contractual provisions and applicable laws, rules, and regulations.	Audit (Core)	Yes	High
5	Research Grants	Research	The purpose of this audit is to review the processes and procedures relating to pre-awards and post-awards. We will select grants from different departments.	Audit (Core)	No	High
6	Florida State University Schools	College of Education	Phase 1: The purpose of this audit is to evaluate the financial processes and procedures. In addition, we will conduct an assessment of risks and controls to identify additional areas.	Rollover Audit from FY 2023-2024	In Process	High
7	Florida State University Schools	College of Education	Phase 2: The purpose of this audit is to evaluate the processes surrounding HR, payroll, and grants.	Audit	Yes	High
8	Athletics Sports Conditioning	Athletics	The purpose of this audit is to evaluate the effectiveness of processes and procedures related to athlete conditioning.	Audit (Core)	No	Medium
9	Campus Recreation	Student Affairs	The purpose of this audit is to determine whether selected sites are handling cash collections in accordance with the University Cash Management policies and procedures.	Rollover Audit from FY 2023-2024	In Process	Medium
10	Audit Follow-up	University-wide	Follow-up activities on management recommendations are conducted on previously completed audits.	Follow-up	N/A	N/A



FLORIDA STATE UNIVERSITY  
OFFICE OF AUDIT AND ADVISORY SERVICES

**FY 2024-2025 Operational Audit Plan**

Reserve Projects						
	Project	Area	Project Description	Type of Project	Previously Audited	Rating
1	Emergency Management	Ringling	The purpose of this audit is to evaluate the controls surrounding the physical security and the effectiveness of processes and procedures related to the University's emergency management.	Audit	No	Medium
2	Research-Institutional Review Board	Research	The purpose of this audit is to the operations and compliance of the Institutional Review Board with federal regulations.	Audit (Core)	No	High
3	Chemistry	College of Arts and Sciences	The purpose of this audit is to evaluate operational processes and procedures. In addition, we will conduct an assessment of risks and controls to identify additional areas.	Audit	No - only student fees	Medium
4	Florida Center for Reading Research	Research	The purpose of this audit is to determine whether the Center complies with selected University policies and procedures and sponsored research project objectives.	Audit (Core)	No	Medium
5	Panama City Campus Early Childhood Autism Program	College of Applied Studies	The purpose of this audit is to evaluate the effectiveness of processes and procedures. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	No	Medium
6	Learning Systems Institute	College of Education	The purpose of this audit is to evaluate operational processes and procedures. In addition, we will conduct an assessment of risks and controls to identify additional areas.	Audit	No	Medium





FLORIDA STATE UNIVERSITY  
OFFICE OF AUDIT AND ADVISORY SERVICES

**FY 2024-2025 Information Technology Audit Plan**

**Approach/Factors:**

1. Risks (e.g., IT, reputation, financial, operational, and legal)
2. Previous internal/external audit results and the last time the area was audited
3. Mandated by the BOG, Florida Statutes, or Federal Regulation
4. Analysis of previous audits and observations during audits
5. Financial Data
6. Change(s) in leadership and vacancy rate data
7. Previous investigations
8. Decentralized vs. centralized operations
9. Feedback from the President and Executive Leadership

	Project	Area	Project Description	Type of Project	Previously Audited	Rating
1	ITS	Information Technology Services	Review and confirm the implementation of CrowdStrike for ITS centralized areas. Also, we will assess the capabilities and bandwidth to service the University.	Audit (Core)	No	High
2	FSU Advancement	Advancement	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	No	High
3	FSU Foundation	Advancement	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	No	High
4	ATH-Seminole Boosters, Inc.	DSO	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit (Core)	No	High
5	CAPS-Center for Advanced Power Systems	Research	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	No	High



FLORIDA STATE UNIVERSITY  
OFFICE OF AUDIT AND ADVISORY SERVICES

FY 2024-2025 Information Technology Audit Plan

	Project	Area	Project Description	Type of Project	Previously Audited	Rating
6	Computer Science	College of Arts & Sciences	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	No	High
7	College of Medicine	College of Medicine	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	Yes	High
8	Florida Medical Practice Plan, Inc.	College of Medicine	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	No	High
9	Ringling Cultural Center Development Office	DSO	This is a decentralized department. We will review the department processes and procedures surrounding security, UPS, backup and recovery, vulnerability management, patch management, and user access. We will also conduct an assessment of risks and controls and identify areas in need of further review.	Audit	No	High
10	College of Business	College of Business	We will provide advisory services regarding the IT infrastructure for the new College of Business Building.	Advisory	N/A	High
11	FSU Health	College of Medicine	We will provide advisory services regarding the IT infrastructure for the FSU Health Hospital and Medical Center in Panama City and other Tallahassee locations.	Advisory	N/A	High
12	ITS Follow-up	University-wide	Follow-up activities on management recommendations are conducted on previously completed audits.	Follow-up	N/A	N/A



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM R



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Finance and Business Committee*

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#### **CONSENT ITEM R**

Thursday, June 20, 2024

**SUBJECT:** FY 2025-2026 Capital Improvement Plan

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#### **PROPOSED COMMITTEE ACTION**

Request for Approval

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

Sections 1011.40(1), 1013.60 and 1001.706(12), Florida Statutes (F.S.), require each university to submit a legislative budget request for Fixed Capital Outlay (FCO) in the form of a Capital Improvement Plan (CIP), with established guidelines. The CIP is intended to represent the additional academic and academic support facilities needed for a five-year period.

#### **BACKGROUND INFORMATION**

The attached CIP documents identify the recommended list of PECO, CITF, and Back of Bill eligible projects. Included on the list are projects that received legislative appropriation in 2024 but have not yet receive the governor's signature. Universities may include any survey-recommended PECO project; however, pursuant to F.S. 1001.706(12), the BOG will only consider/score those that are 1) incomplete (partially funded) projects and 2) the top two priorities for each university.

Each new capital project funded in whole or in part with Legislative appropriations must also have a plan for establishment of a reserve for future maintenance. Reserve requirements differ depending on the type of project (new construction, renovation, or remodeling) and its funding source.

#### **ADDITIONAL COMMITTEE CONSIDERATIONS**

The updated CIP will be submitted to the Board of Governors on July 1, 2024. It is recommended that the FSU Board of Trustees authorize the President to make any changes, where required, to the University's Fixed Capital Outlay Budget Request before it is submitted to the Board of Governors on July 1, and any changes, where required, when the Board of Governors allows amendments. The updated information will then be brought back to the Trustees for their final review and approval.

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**Supporting Documentation Included:** CIP-2 and CIP-3 Documents.

**Submitted by:** Kyle Clark, Senior Vice President for Finance & Administration

State University System  
5-Year Capital Improvement Plan (CIP)  
FY 2025-26 through 2029-30

Summary of Projects  
(PECO-Eligible Project Requests)

University Florida State University

Contact: 

Mr. Kyle Clark  
(name)

(850) 644-4444  
(phone)

[kyle.clark@fsu.edu](mailto:kyle.clark@fsu.edu)  
(email)

Priority No.	Project Title	Total Supplemental (Non PECO) funding	Total Prior PECO Funding	Projected Annual PECO Funding Requested					Programs to Benefit from Project	Net Assignable Sq. Ft. (NASF)	Gross Sq. Ft. (GSF)	Total Project Cost	Project Cost Per GSF	EPS Recommendation Date & Rec. # <sup>(1)</sup>
				FY25-26	FY26-27	FY27-28	FY28-29	FY29-30						
1	Academic Support Bldg. (Maintenance Cmplx.)		\$40,000,000	\$ 27,000,000	\$ 7,880,000				Campus	63,000	94,500	\$ 74,880,000	\$ 792.38	2023 Rec. 3.1; 5.4; 5.5; 5.6; 5.7; 5.2; State Appropriation (HF 2714) (SF
2	FAMU-FSU Col of Engineering Building C		\$25,000,000	\$ 51,000,000	\$51,000,000	\$22,500,000			Engineering	106,000	163,867	\$ 149,500,000	\$ 912.33	
3	Veterans Legacy Complex		\$17,500,000	\$ 23,650,000	\$ 6,250,000				Academics/RO TC	39,330	56,029	\$ 47,400,000	\$ 845.99	2023 Rec. 4.1
4	Arts District		\$ 1,467,202	\$ 50,000,000	\$48,500,000	\$47,032,798			Academics/Theatre/Fine	133,818	192,242	\$ 147,000,000	\$ 764.66	State Appropriation (SF 2850) (HF
5	Panama City Health - Academic Research Center		\$ 4,000,000	\$ 18,000,000	\$41,000,000	\$37,000,000			Academics/Medicine	58,000	80,000	\$ 100,000,000	\$ 1,250.00	State Appropriation (SF 2689)
6	Kellogg Research Bldg. Remodeling/Renov	\$ 11,100,000	\$ 2,300,000	\$ 10,000,000	\$11,250,000				Academics	26,619	46,323	\$ 34,650,000	\$ 748.01	2023 Rec. 1.8 &2.6;
7	College of Nursing (Planning)		\$ 2,000,000	\$ 41,500,000	\$ 6,500,000				Nursing	20,000	35,000	\$ 50,000,000	\$ 1,428.57	State Appropriation (HF 2525) (SF
8	Library System Improvements (Dirac Phase 1)					\$ 6,000,000	\$20,000,000	\$11,000,000	Library/Info	78,000	99,755	\$ 37,000,000	\$ 370.91	2023 Rec. 1.6
9	Utilities/Infrastructure/Capital Renewal/ Roofs/Renovation			\$ 25,000,000	\$15,000,000	\$25,000,000	\$15,000,000	\$15,000,000	Campus	N/A	N/A	\$ 95,000,000	N/A	2023 Rec. SR-2, SR-3, & SR-4
10	Land Acquisition			\$ 6,500,000		\$ 6,500,000		\$ 6,500,000	Campus	N/A	N/A	\$ 19,500,000	N/A	2023 Rec. 6.1
11	Housewright Music Building Renovation with Library Exp.				\$ 3,425,000	\$38,575,000	\$ 4,000,000		Academics/Music	39,818	59,727	\$ 46,000,000	\$ 770.17	2023 Rec. 2.5 and 3.2
12	Carothers Hall - Remodeling and Renovation					\$ 3,000,000	\$35,500,000	\$ 5,500,000	Academics	45,632	68,221	\$ 44,000,000	\$ 644.96	2023 Rec. 1.5 & 2.3
13	Winchester Building Remodeling					\$ 1,600,000	\$13,230,000	\$ 2,000,000	Acad./Support	14,300	23,540	\$ 16,830,000	\$ 714.95	2023 Rec. 1.7

1) Pursuant to s. 1001.706(12)c., F.S., new projects that have not already been partially appropriated funding must be Recommended in the latest Educational Plant Survey (EPS) in order to be included in the final prioritized list of projects (for the FCO LBR). If a project was partially appropriated funding without an EPS Recommendation, please cite the General Appropriations Act year and (\$) amount(s) appropriated, for reference.

## Summary of Projects (CITF Project Requests) <sup>1</sup>

⋮ kyle.clark@fsu.edu  
(email)

[illegible]

Form CIP-2B (Rev. 3/30/23)

State University System  
5-Year Capital Improvement Plan (CIP)  
FY 2025-26

**Summary of Projects**  
( 'Back of Bill' Legislative Project Authorizations) \*

University: Florida State University

Contact: Kyle Clark  
(name)

850-644-4444  
(phone)

[kylec@fsu.edu](mailto:kylec@fsu.edu)  
(email)

						Estimated Annual Operating & Maintenance Cost	
Project Name *	Brief Description of Project	GSF	Project Location	Project Cost	Project Funding Source(s)	Amount (\$)	Funding Source(s)
Football, baseball, beach volleyball, volleyball, track, golf, tennis, basketball, softball, swimming, lacrosse and other athletic facilities enhancement and renovations.	Updates to athletic facilities systems, structures, and amenities and/or construction of athletic facilities systems, structures, and amenities.	TBD	Tallahassee Campus - Main Site and Southwest Site	\$100,000,000	Athletics / Bonding	TBD	TBD
Academic Hotel Convention Center	Learning Laboratory for FSU Students, especially those in FSU Hospitality	TBD	Tallahassee	TBD	Public Private Partnership	TBD	TBD
Hotel and Athletic Support	Hotel located near athletic facilities and programs with unique opportunities for FSU Students	TBD	Tallahassee	TBD	Seminole Boosters - Public Private Partnership	TBD	TBD

\* List all proposed FCO projects for FY 2025-26 to be constructed, acquired and financed by the university or DSO via Debt or P3 that require Legislative (Back-of-Bill) authorization. **Projects meeting the requirements listed in s. 1010.62(7)(a) are Legislatively approved and do not require Legislative 'back-of-bill' authorization.**





FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM S



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Finance and Business Committee*

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#### **CONSENT ITEM S**

**Thursday, June 20, 2024**

**SUBJECT:** Campus Master Plan Amendment #3

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#### **PROPOSED COMMITTEE ACTION**

Request for Approval

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

In 1993, the Florida Legislature passed legislation that recognizes the unique relationship between university campuses and local governments. Chapter 1013.30, F.S., describes the processes by which universities are required to develop, maintain, and update campus master plans and associated campus development agreements with local governments,

#### **BACKGROUND INFORMATION**

In September 2021, the Board of Trustees (BOT) adopted the University's current Campus Master Plan (CMP), which covers the years 2020 to 2030 (near-term and mid-term). Since then, projects that were moved to 2030 and beyond (far-term) have been reevaluated and need to be moved into the current CMP 2020-2030 and legislative appropriations have been received in 2023 and additional appropriations are expected to be received in 2024.

The first-project is the construction of an Arts District which received an appropriation for study and planning in 2023. Tapping into the destination location for the arts it will provide a cornerstone anchor to provide high quality space to keep up with current teaching and student needs. It involves new construction of the College of Music Annex and demolition, rebuilding, and expanding the Fine Arts Annex; renovation of the Fine Arts Building is also included. Location will be in the Northeast portion of the Tallahassee Campus Main Site.

The second project is a new College of Nursing Building which received an appropriation for study and planning in 2024. It will house a Simulation Center and large classrooms and will be located adjacent to the Duxbury Building in the central portion of the Tallahassee Campus Main Site.

The third grouping of projects is located in the northwest portion of the Tallahassee Campus Main Site. Residence Halls already located in the 6-10 Mid Term plan will be moved to the 1-5 Near Term plan. In addition Parking Garage #7 and Satellite Utility Plant #3 is being moved from the 11+ year plan (Appendix) into the 1-5 Near Term Plan to support necessary needed services in this area.

The fourth grouping of projects is the Renovation of Rovetta A and B, located in the north center of the Tallahassee Campus Main Site. As the College of Business vacates these two buildings the time will be right to renovate for another group. Rovetta A & B were in the 11+ Far Term Plan (Appendix) and now moving to the 1-5 Near Term Plan.

Additionally, there is a name clarification. Project NC4 located in close proximity to the Tucker Convention Center will now be known as the “Academic Hotel Convention Center”.

Regarding the Tallahassee Campus Southwest Site, a project is being added to the 1-5 Near Term Plan, as The Energy Research Facility received an appropriation in 2024.

There are no significant changes proposed for the Panama City Campus at this time.

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

By statutory definition, these modifications constitute a minor amendment to the Campus Master Plan. Accordingly, it is not expected that the adoption of this amendment will create the need to substantially revise the existing Campus Development Agreement between the University and the City of Tallahassee, approved and executed in December of 2022.

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#### **Supporting Documentation Included:**

Revised graphic maps for:

The Tallahassee Campus Master Plan NearTerm (Years 1-5)

Tallahassee Campus Southwest Master Plan Near-Term (Years 1-5)

**Submitted by:** Kyle Clark, Senior Vice President for Finance & Administration



# FIGURE A.4


## TALLAHASSEE


### CAMPUS MASTER


### PLAN NEAR-TERM


### (YEARS 1-5)

LEGEND:


 PROPOSED RENOVATION/REMODEL


 PROPOSED NEW CONSTRUCTION

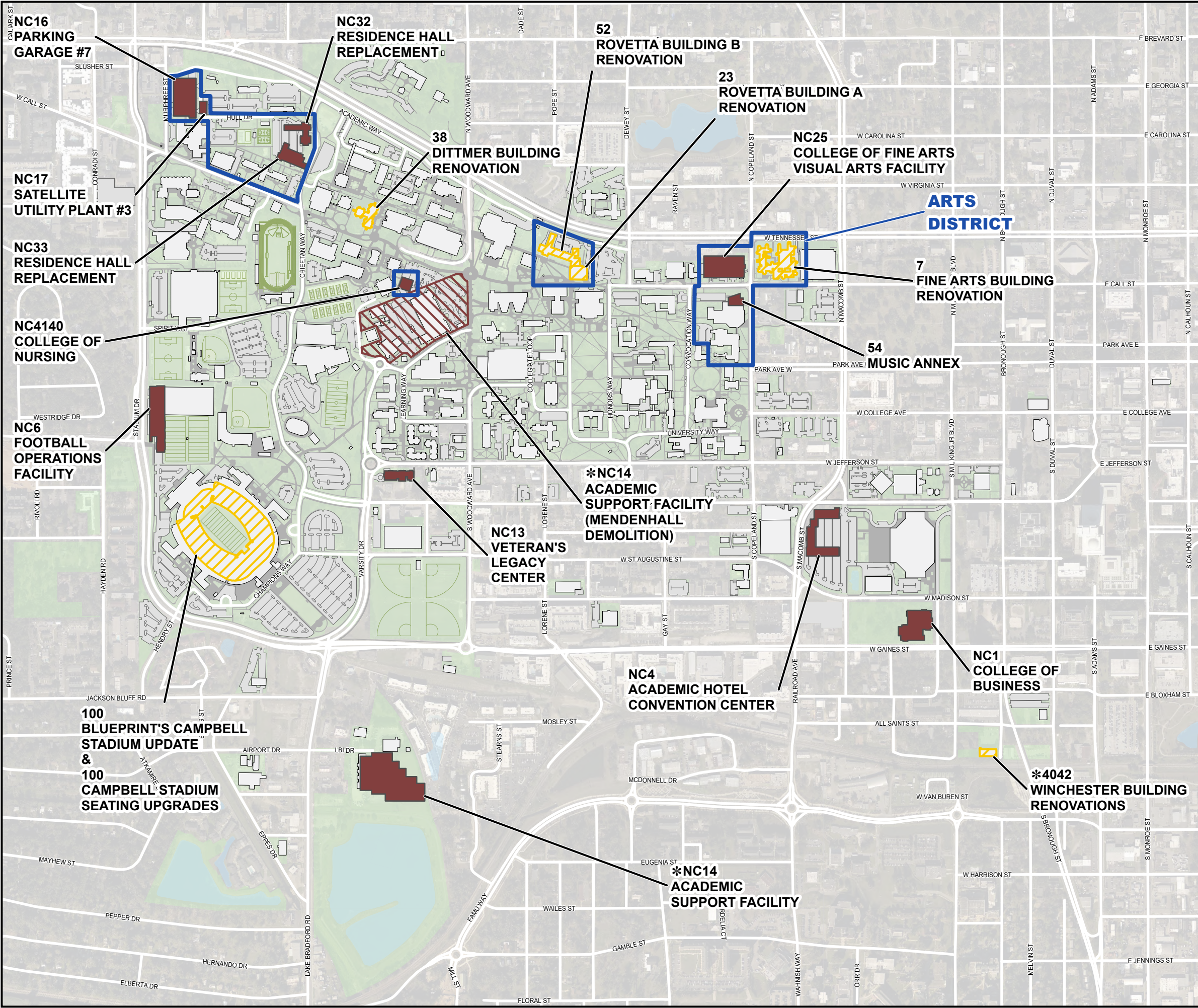
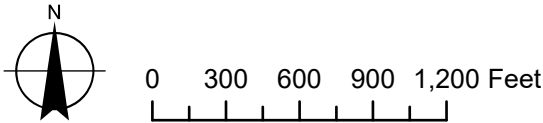

 ADDED WITH THIS REVISION


 ADDED IN PREVIOUS AMENDMENTS

SOURCE:  
FSU FACILITIES PLANNING  
TLCGIS

FLORIDA STATE UNIVERSITY  
TALLAHASSEE CAMPUS

24 SEPTEMBER 2021  
revised JUNE 2024









**FIGURE SWC.MP.3**

**TALLAHASSEE  
CAMPUS  
SOUTHWEST  
MASTER PLAN  
NEAR-TERM  
(YEARS 1-5)**

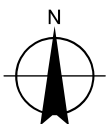
**LEGEND:**

-  PROPOSED RENOVATION/REMODEL
-  PROPOSED NEW CONSTRUCTION
-  ADDED WITH THIS REVISION
-  AREA OF PROPOSED ROADWAY

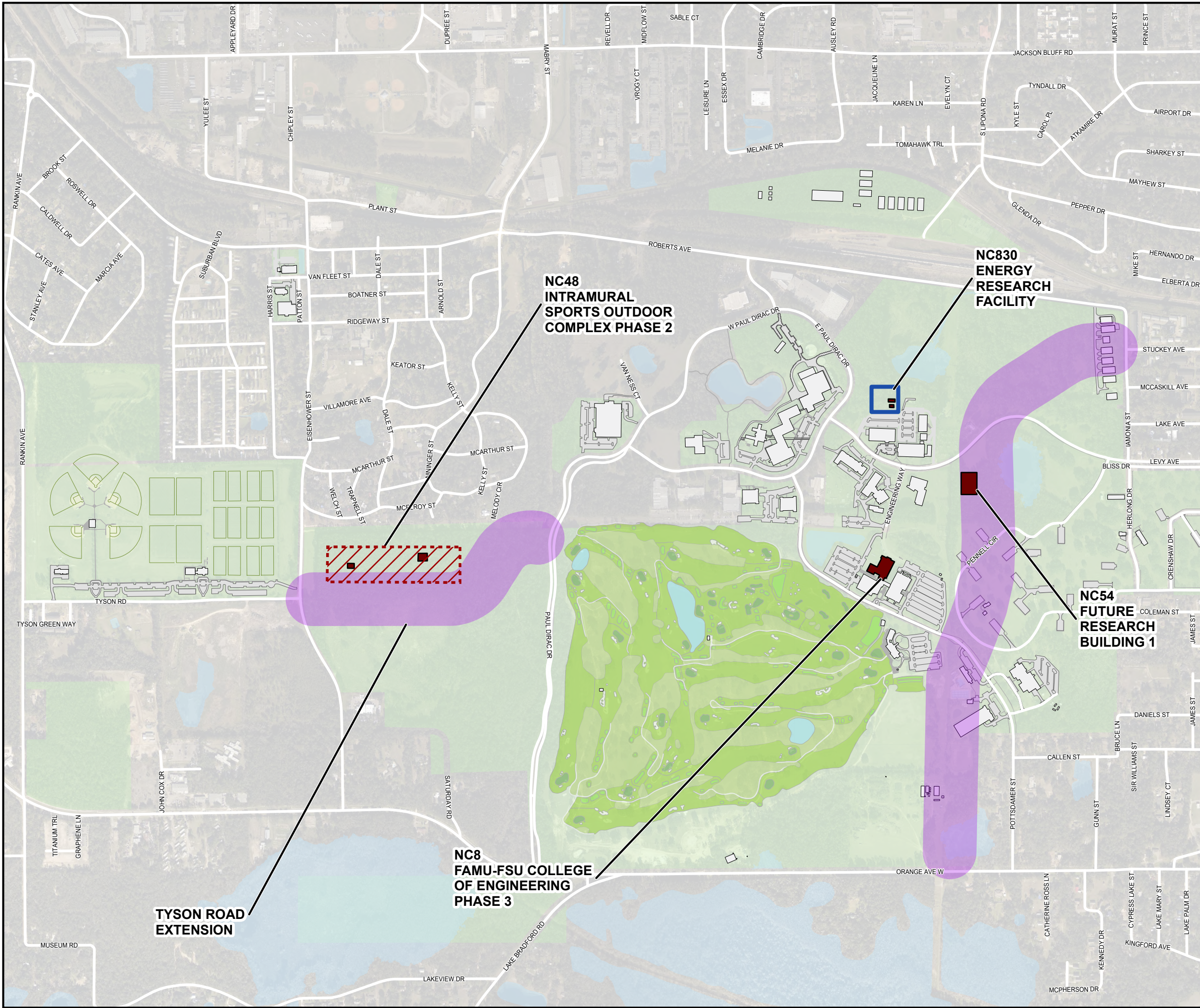
**SOURCE:**  
FSU FACILITIES PLANNING  
TLGGIS

**FLORIDA STATE UNIVERSITY  
TALLAHASSEE CAMPUS  
SOUTHWEST**

**24 SEPTEMBER 2021  
revised JUNE 2024**



0 500 1,000 1,500 Feet







FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM T



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Finance and Business Committee*

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#### CONSENT ITEM T

Thursday, June 20, 2024

**SUBJECT: Student Overnight Parking Permit**

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#### **PROPOSED COMMITTEE ACTION**

Seeking approval to implement optional parking permit that would be sold to FSU students wishing to park overnight (12a-5:45a M-F)

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

State statute 1009.24 authorizes the BOT to establish traffic & parking fines, charges for parking decals and transportation access fees.

#### **BACKGROUND INFORMATION**

We experience approximately 5,200 cars 'stored' overnight each weekday (4,200 FSU resident students, 1,000 off-campus students), currently at no cost to the students. This number will surely rise soon due to the proliferation of off-campus housing being built on FSU's doorstep, most without adequate parking for their tenants. This situation has a negative impact on faculty, staff and students as nearly one-third of campus parking spaces are occupied 24/7 making available parking space scarce. The implementation of a fee-based permit will lower demand for overnight parking thereby freeing up space for our commuting populations and generate much-needed parking revenue which would be used to improve parking and transportation programs and facilities.

#### **ADDITIONAL COMMITTEE CONSIDERATIONS**

BOG approval is not required for this item.

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**Supporting Documentation Included:** Regulation 2.009 amended language necessary to enact this change and brief slide deck.

**Submitted by:** Kyle Clark, Senior Vice President for Finance & Administration



# Overnight Parking – Current State

- 5,200 (est.) vehicles parking overnight each weekday during fall and spring semesters – 4,200 FSU resident students, 1,000 off-campus students
- 4,268 designated 24/7 overnight parking spaces.
- Overflow student overnight parkers can use faculty/staff Red spaces but must relocate by 7:30a weekdays to avoid citations.
- 24/7 overnight parking fills routinely which hampers daytime parking availability.





# Proposed Student Overnight Parking Program

- Optional alternative to the free student parking permit
- Proposed rate of \$300 annually
- Permit would be required for all students wishing to park overnight (12a-5:45a M-F)
- Currently, no permit is necessary to park overnight



# Desired Results

- Reduce the number of vehicles being 'stored' on-campus which negatively impacts our commuting populations (faculty, staff and students) – Goal of 25% reduction in overnight parking.
- Generate needed revenue for TAPS to help improve parking and transportation programs and facilities - \$1M in new revenue estimated.
- Introduce pricing/cost as a transportation demand management (TDM) tool – aligns with the 2020-2030 Master Plan Update Transportation Element

## **FSU-2.009      Parking and Traffic Regulations.**

### **(1) General Information.**

(a) Applicability of Traffic Regulation. This regulation shall be applicable to all vehicles operated or parked on the Florida State University (FSU) campus at any time, including examination periods, semester breaks, and registration periods. The fines, penalties and other sanctions provided herein may be imposed against any person who shall cause, allow, permit or suffer any vehicle registered in any state or at the Office of Transportation and Parking Services in the name of, or operated by such person to be parked or operated in violation of any provision of this Regulation. It is the policy of FSU to enforce the provisions of this Regulation and seek to impose the fines, penalties or other sanctions provided herein:

1. In the case of a vehicle registered with the Office of Transportation and Parking Services, against the person in whose name such vehicle is so registered.
2. In the case of a vehicle not so registered, if it is determined that the operator at the time of the violation is affiliated with FSU and, in fact, should have registered the vehicle with the Office of Transportation and Parking Services, against the person affiliated with FSU.
3. In the case of a vehicle not so registered and whose operator at the time of the violation cannot be identified, against the title holder of said vehicle.

(b) Applicability of Florida Statutes and Ordinances of the City of Tallahassee. All ordinances of the City of Tallahassee relating to traffic which are not in conflict or inconsistent with this Regulation shall extend and be applicable to the grounds of the University. A copy of said ordinances shall be available for inspection at the Office of Transportation and Parking Services. In addition, the provisions of Chapter 316, Florida Statutes, shall extend and be applicable to the grounds of the University.

(c) Responsibility for Implementation. Unless otherwise noted, the Director of Transportation and Parking Services shall be responsible for the supervision and implementation of this Regulation. All requests for individual consideration with regard to the parking and traffic regulations contained in this Regulation must be directed to that person at the Office of Transportation and Parking Services.

(d) Definitions. The following words and phrases, when used in this Regulation, shall have the meanings respectively ascribed to them in this section, except where the context otherwise requires:

1. Access Lane. Any area that is not designated as a parking space, and that provides an avenue for traffic flow and emergency vehicles.
2. Automobile. Any motor vehicle having three (3) or more wheels.
3. Back-in Parking. Parking a vehicle so that the front-end of the vehicle is pointing toward the drive aisle. It does not matter if the vehicle actually backed into the parking space or drove through an adjacent space.
4. Commuter Lot. Designated lots/facilities that prohibit the parking of vehicles between the hours of midnight and 5:45 AM, except on Friday and Saturday evenings or as posted on the entrance of the lot.
5. Commuter Student. Any person not classified as faculty, administrative and professional personnel or University support personnel system staff that is enrolled and carrying 1 or more credit hours of undergraduate or graduate work at FSU that does not pay for on-campus housing and does not reside in an on-campus FSU residential hall.
6. Designated Parking Space. Areas governed by FSU parking Regulations with parking spaces delineated by red, white, yellow, green or blue striping, and ~~meter~~ hourly parking sign , or other physical barriers to include, but not be limited to railroad ties and bumper blocks intended to delineate parking parameters.

7. Director of Transportation and Parking Services. An FSU employee who has been assigned the specific duties of supervising and managing the Office of Transportation and Parking Services.

8. Employee. Any employee of FSU including (but not limited to) executive staff, faculty, administrative and professional personnel, University support personnel system staff, and OPS staff.

9. Employees of Recognized FSU Organizations or Contracted Services. Personnel who work on campus, but who are not University employees (including, but not limited to: bookstore employees, beauticians, barbers, food service personnel, credit union employees, golf course employees, postal/shipping employees, staff of religious houses, event personnel, and employees of the Greek houses).

10. Financial Aid Disbursement. The period of time defined each semester by the Controller's Office for the disbursement of financial aid funds.

11. Fire Lanes. Those areas of campus that must be kept clear of all obstructions so as not to interfere with the movement of fire-fighting equipment and which are marked as fire lanes by signs and red painted curbing or fluorescent red and white painted areas, or both.

12. Loading Dock. Areas specifically designated for the sole purpose of loading or unloading materials or equipment at the delivery entrance or designated location to a building. Properly identified service vehicles, commercial vehicles, or vehicles properly displaying loading dock permits issued by the Office of Transportation and Parking Services are authorized to use loading docks. Loading docks are delineated by signs and/or pavement markings. Vehicles parked without proper authorization will be issued a citation and/or towed at owner's expense.

13. Loading Zones. Areas specifically designated for the sole purpose of loading or unloading materials or equipment. Properly identified service vehicles, commercial vehicles, vehicles registered for valid FSU virtual permits, or vehicles properly displaying a valid loading zone parking credential issued by the Office of Transportation and Parking Services are authorized to use loading zones. Loading zones are delineated by signs and/or pavement markings. Use of these areas is limited to 20 minutes. Vehicles exceeding the 20-minute maximum period may be issued a parking citation. Additional citations may be issued every hour after the original citation and/or vehicles may be towed at owner's expense.

14. Motorcycle, Moped, or Motor Scooter. Any motor vehicle having less than three (3) wheels.

15. Overnight Lot. Designated lots/facilities that allow parking twenty-four (24) hours a day.

16. Parking. The standing of a vehicle, whether occupied or not and whether the engine is running or not., as may be permitted by law under the State Uniform Traffic Control Law, Chapter 316, Florida Statutes, or this Regulation pursuant to Section 1006.66.

17. Parking Credential. A virtual parking permit, parking placard, parking hang-tag, or other designated pass/permit that authorizes parking in one or more campus parking lots/facilities.

18. Parking Hang-Tag. A parking hang-tag is a physical parking permit that is hung from an automobile's rearview mirror. A parking hang-tag authorizes parking in the lots, facilities, and/or spaces as shown on the hang-tag. The parking hang-tag does not authorize parking in any lots, facilities, or spaces not noted on the hang-tag.

19. Parking Placard. A parking placard is a physical parking permit that is placed on an automobile's dashboard. A parking placard authorizes parking in the lots, facilities, and/or spaces as shown on the placard. The parking placard does not authorize parking in any lots, facilities, or spaces not noted on the placard.

20. Permit Registration Year. The period from August 15 of one year to August 15 of the succeeding year

21. Persons Affiliated with FSU. Employees or students of FSU or employees of recognized FSU on-campus organizations or contracted services.

22. Reserved Space. A parking space that is reserved for a specific user, user group, event/function, or vehicle. The space will be marked with signage, pavement markings, and/or temporary barricades. Any parking space on campus may be reserved for events or other University functions.

23. Resident Student. Any person not classified as faculty, administrative and professional personnel or University support personnel system staff that is enrolled and carrying 1 or more credit hours of undergraduate or graduate work at FSU that also pays for on-campus housing and resides in an on-campus FSU residential hall.

24. Restricted Hours. Between 7:30 AM and 10:00 PM, Monday through Friday on all class days, examination periods, semester breaks, and registration periods.

25. Service Vehicle Area. Areas reserved for properly identified service or emergency vehicles performing maintenance or repair of University owned or leased equipment or facilities, commercial vehicles, or vehicles bearing proper authorization from the Office of Transportation and Parking Services. Non-Service State vehicles are prohibited from parking in service vehicle spaces. Service vehicle areas are reserved during restricted hours and are delineated by signs and/or pavement marking. Vehicles without proper authorization will be issued a citation and/or towed at owner's expense for parking in a reserved space without authorization (fine code – 01 if the space is not reserved for a specific vehicle or fine code – 06 if the space is reserved).

26. Short Term Parking. Those spaces designated by signage with a two-hour maximum stay. An appropriate parking placard or hang-tag must be obtained from the Office of Transportation and Parking Services and appropriately displayed on the vehicle.

27. Transportation Violations Appeals Board. The University traffic authority established pursuant to Section 1006.66, Florida Statutes, to review disputes regarding citations and to render decisions regarding the appropriate penalty to be imposed, including the restriction, removal, or restoration of driving or parking privileges on campus. The Transportation Violations Appeals Board will consist of 2 or more divisions of equal authority. Each shall be composed of 4 members appointed for a period of 1 year. There shall also be appointed a pool of alternate members who shall be eligible to serve when called upon by the Board Coordinator, when a regular member is unavailable. All appointments shall be made by the Vice President for Finance and Administration. The positions on each division of the Board shall be occupied by faculty, staff (A&P or USPS) and student members. The Chairperson shall be elected annually from among the members of the Board and shall have full voting rights. This Board shall function on a year-round basis. A quorum shall consist of at least 2 members of the Board. When a quorum is not available, and the appellant has arrived on time for their scheduled hearing, the citation(s) will be dismissed.

28. Vehicle. Any automobile, motorcycle, moped or motor scooter as defined. Motorized scooters and micromobility devices governed by s. 316.2128, F.S., have certain rights of bicycles and are governed by that law, University regulation and policy including those governing bicycles, city ordinance and the provisions of any vendor contract.

29. Virtual Permit. Vehicle registration which allows the registered vehicle to be parked on the grounds of the University, as set out in this Regulation. A virtual permit is not a physical



permit. Instead, the registered vehicle's license plate is used to determine whether or not the vehicle is properly registered with the Office of Transportation and Parking Services. Up to five automobiles may be registered to a single virtual permit. However, a vehicle may not be registered to more than one virtual permit at a time. Automobile virtual permits are only issued to vehicles with three (3) or more wheels and motorcycle virtual permits are only issued to vehicles with fewer than three (3) wheels.

30. Visitors. Persons who are not employees or students of FSU and who do not work on campus for other organizations.

31. Working Day. Any day that the University is officially open. This does not include official holidays or winter break.

(2) Virtual Permits, Parking Placards, and Parking Hang-Tags.

(a) All vehicles parked on the campus by persons affiliated with FSU must be registered for a valid virtual permit or display the appropriate placard or hang-tag as instructed. The following, however, are excepted:

1. Board of Trustees. Vehicles bearing a valid "Board of Trustees" parking placard may be parked in any designated, unreserved parking space on campus.

2. "State" Tag Vehicles. Vehicles owned by or assigned to an FSU department or organization and bearing a duly issued "State" license tag must be registered for a valid virtual permit, but are not required to pay hourly parking fees. Such vehicles may be parked in any designated, unreserved parking space, short-term space (2-hour maximum) or loading zone (20-minute maximum) on campus. Vehicles bearing a duly issued "State" license tag but are not owned or assigned to an FSU department or organization must either purchase a virtual permit, purchase a visitor parking placard or hang-tag, park in an hourly parking space and pay the appropriate fee, or park in a designated visitor parking lot/facility and pay the appropriate fee.

3. News Media Vehicles. Press representatives, reporters, correspondents, and other representatives of the news media not otherwise affiliated with FSU, who are on campus on official news or press business, may park in any designated, unreserved space, short-term space (2-hour maximum) and loading zone (20-minute maximum). A virtual permit is not required if a valid press identification is prominently displayed on the vehicle(s). Students, faculty and staff are not eligible for this exemption.

4. Commercial Representatives in Commercial Vehicles. Marked delivery trucks, telephone and power service vehicles, limousine service automobiles, taxis, and buses making brief stops (less than 10 minutes) at 1 or more points on campus are not required to register for a virtual permit or display a parking placard or hang-tag. Vehicles used by persons required to perform service or regular maintenance on University-owned or leased equipment or facilities must have a valid FSU parking hang-tag displayed. These vehicles may be parked in any designated, unreserved parking space. Hourly parking and visitor lot/facility fees must be paid.

5. Contractors. Contractors and contractor personnel engaged in FSU construction projects may park within the fenced enclosure of the construction site. Other parking must be off campus or other on-campus locations specifically designated by the Office of Transportation and Parking Services. Construction placards or hang-tags must be displayed in the windshield of each parked vehicle, whether or not the vehicle is parked in a parking lot/facility or within a fenced enclosure.

6. Vehicles Transporting Disabled Individuals; Disabled Veterans.

a. In accordance with Florida Statutes, a vehicle bearing a disabled parking permit issued pursuant to Sections 320.0848, 320.0842, 320.0843, and 320.0845, Florida Statutes, or a disabled license plate issued pursuant to Section 320.084 or Section 320.0848, Florida Statutes

(disabled veterans and veterans confined to wheelchairs), may park in designated accessible

b. spaces if such vehicle is transporting a person eligible for such parking permit or license plate. Any person who is chauffeuring a disabled person shall be allowed momentary parking in any such parking space for the purpose of loading or unloading a disabled person. No penalty shall be imposed upon the driver for such momentary parking. Such vehicles shall not, however, be parked in a reserved space, bus loading zone, fire zone, disabled space access aisle, service vehicle space, non-designated parking area or any other area posted as a "No Parking" zone. All employee and student affiliates are required to purchase the appropriate virtual permit in order to park on campus. Vehicles appropriately registered for a valid virtual permit and displaying a disabled permit issued by the state may park in hourly, loading zone, short- term, and other unreserved permit designated spaces as long as time restrictions are observed. Visitors displaying a disabled permit issued by the state may park in designated accessible spaces, hourly parking space (at no charge), and/or visitor parking lots/facilities (provided the regular rate/fee is paid).

c. Any person who fraudulently obtains or unlawfully displays a disabled parking permit that belongs to another person while occupying a disabled parking space or an access aisle as defined in s.553.5041 while the owner of the permit is not being transported in the vehicle or who uses an unauthorized replica of such a disabled parking permit with the intent to deceive is guilty of a misdemeanor of the second degree, punishable as provided in s.775.082 or s. 775.083.

d. Transportation and Parking services will immobilize any vehicle displaying a fraudulent disabled permit and contact the FSU Police Department.

7. Visitors may park in hourly parking spaces or in any designated visitor parking lot/facility

provided appropriate fees are paid and time limits are not exceeded. All vehicles must be parked with the flow of traffic.

(b) The virtual permit year begins on August 15 and ends the following August 15. All permits, placards, and hang-tags will expire on August 15 each year.

(c) Permit Information: All persons affiliated with FSU that park on University property are required to register for a virtual permit and pay all related charges/fees.

(d) The Office of Transportation and Parking Services reserves the right to deny, restrict or revoke parking privileges to any individual who is in violation of the provisions of this Regulation. The fraudulent acquisition of a permit by giving incorrect information, falsified proof of status, or by any other means shall result in the issuance of violation(s), false registration -- fine code 05, to the individual(s) involved.

(e) Replacement Gate Access Cards and Virtual Permit Refunds. A replacement gate access card, if applicable, will be issued when a gate card is no longer serviceable. The original gate card must be returned to the Office of Transportation and Parking Services to qualify the holder for a replacement gate card due to defect. No refunds will be issued for returned temporary permits, gate cards or remote gate openers.

(f) Virtual Permit Classifications.

1. Faculty, Administrative and Professional personnel, and University Support Personnel System staff are eligible to register for "RP" virtual permits. Faculty, Administrative and Professional personnel, University Support Personnel System staff, Non-Student OPS employees of recognized FSU affiliated organizations or contracted services are eligible to register for "R" virtual permits. Both the "RP" and "R" virtual permits authorize parking only in designated "R" parking areas (as identified by red stall lines and/or entrance signage) or in areas specified for shared parking (as identified by alternating red and white stall lines and/or

entrance signage. In order to be appropriately registered for an “RP” or “R” virtual permit, the employee must provide the make, model, color, year, and license plate of each vehicle registered to the virtual permit (up to five vehicles per permit) and pay all required fees.

2. Visitors are eligible to purchase a "V" parking hang-tag, authorizing parking only in designated "W" and non-gated “R” parking areas. Faculty, staff and student affiliates, as well as employees of FSU affiliated organizations or contracted services, are not eligible to purchase a "V" hang-tag.

3. Students and Non-Student OPS employees are eligible to register for “VW” virtual permits. Vehicles that are registered to a "VW" virtual permit are authorized to park in designated "W" parking areas (identified by white stall lines and/or entrance signage) between the hours of 5:45 AM and 12:00 a.m. on all class days in areas designated for commuter parking and 24-hours per day in areas designated for overnight parking. “VW” virtual permits can also park in areas specified for shared parking (as identified by alternating red and white stall lines and/or entrance signage).

4. Students are also eligible to register for a “VRES” virtual permit which allows 24/7 access to a designated reserved lot or area. To acquire this optional permit, students must provide the make, model, color, year, and license plate of each vehicle registered to the virtual permit and pay all required fees (\$325 – Academic Year or \$415 – Annual).

4.5. Students are also eligible to register for an “Overnight” virtual permit (ON) which allows parking in all areas designated for overnight parking between the hours of 12am and 5:45am Monday through Friday. This permit will also carry “VW” parking privileges at all other times. To acquire this optional permit, students must provide the make, model, color, year and license plate of each vehicle registered to the virtual permit and pay all required fees (\$300 – Annual)

~~5.6.~~ Persons with FSU retired status who are no longer receiving any form of financial compensation for active employment may purchase an Emeritus or "E" virtual permit. The "E" virtual permit authorizes parking in any designated non-reserved faculty/staff parking area.

~~6.7.~~ Individuals operating motorcycles, mopeds or motor scooters may purchase a "VMC" virtual permit authorizing parking in motorcycle parking spaces only.

Commercial vendors and sales and service representatives are eligible to purchase commercial ("C") hang-tags. Vehicles bearing "C" hang-tags may park in any designated, ~~non-gated~~ unreserved parking space on campus. Commercial hang-tag holders may also utilize designated loading areas for 20-minute periods only, short-term parking spaces (2 hour maximum), and unreserved service vehicle spaces, as well as hourly parking spaces and visitor parking lots/facilities (provided appropriate fees are paid).

~~7.8.~~ Loading Zone hang-tags may be purchased on an individual basis to afford access to designated loading zones for loading or unloading of materials or equipment. "LZ" hang-tags are not valid in any other parking spaces on campus.

~~8.9.~~ Service vehicle hang-tags may be purchased by eligible service and technical support representatives. Vehicles bearing a valid "SV" hang-tag are eligible to park in designated unreserved service vehicle spaces with no time restriction and loading zones for a maximum of twenty (20) minutes. "SV" hang-tags are not valid in any other parking spaces on campus.

~~9.10.~~ Departmental hang-tags may be purchased by eligible FSU departments for use by employees to conduct departmental business. Vehicles bearing a valid departmental hang-tag are eligible to park in unreserved "R" parking spaces and loading zones for a maximum of twenty (20) minutes.

~~10.11.~~ Back-in hang-tags may be purchased by individuals with valid FSU virtual permits.

Vehicles bearing a valid back-in hang-tag are authorized to park in appropriate campus parking

lots back-in style. Back-in hang-tags are not valid in parking garages or in parking lots with angled parking spaces.

~~11.12.~~ 12. Temporary disabled parking placards or hang-tags will be issued by the Office of Transportation and Parking Services, upon determining eligibility, for a period not to exceed 21 calendar days. To be eligible to apply for a temporary disabled parking permit, the individual must have properly registered and paid for a valid virtual permit. Extension of the eligibility of a temporary permit for more than 21 calendar days will only occur upon receipt of a duly executed Florida Department of Highway Safety and Motor Vehicles Form 83039 S, which is incorporated herein by reference which contain "Disabled Person's Parking Permit a Physician's Statement of Certification", for issuing disabled parking permits at which time a placard or hang-tag will be issued for an additional period not to exceed 35 calendar days. This temporary disabled parking permit is non-renewable.

(g) Virtual permits, parking placards and hang-tags are issued to specific individuals or departments/organizations and are not transferable. The registered owner of the virtual permit, parking placard or parking hang-tag accepts responsibility of all fines when the permit is used by or displayed on any vehicle.

(h) An individual may purchase and maintain only 1 automobile virtual permit and 1 motorcycle virtual permit at a time during each permit year. This excludes any replacement permits issued.

(i) On the day preceding a home football game (including the spring football game) or as designated on lot/facility entrance signage, all vehicles must be removed by 11:59 PM in designated football lots. A map of football parking lots and facilities will be available on the Office of Transportation and Parking Services website.

### (3) Parking Fees and Penalties.

(a) "VW" Student Transportation Access Fee. To be assessed each semester to all registered students. At the beginning of each academic year or upon the first registered semester for the academic year a virtual permit can be obtained by each student who has registered for classes. Each student who registers for a virtual permit and pays all related fees/rates shall be granted a "VW" virtual permit for their automobile or a "VMC" virtual permit for their motorcycle, scooter or moped. If a student owns both an automobile and a motorcycle, they shall have the option to purchase both a virtual permit for their automobile and a virtual permit for their motorcycle. It is the responsibility of the student to properly register their vehicle(s) for a virtual permit from the designated point of distribution. All annual permits shall expire on August 15 of each year.

(b) Fees for Transportation Services. The fees assessed for each type of parking credential, with the exception of the Student Transportation Fee and departmental charges, are subject to a sales tax mandated by the State Legislature. All transportation fees shall be posted on appropriate websites. Any fee increase/decrease to the Student Transportation Fee shall be approved by the Board of Trustees. The University President or designee shall have the authority to regulate all other fees associated with Transportation and Parking Services not addressed in this regulation.

(c) Fees for Visitor Parking Spaces/Lots/Facilities, Contractor Parking, and Special Event Parking. Fees for visitor, contractor, and event parking passes, hourly parking, designated visitor parking lots/facilities, and campus special event reservations shall be determined by the Director of Transportation and Parking Services. All visitor, contractor and event parking rates will be posted in the parking payment app, at the entrance of each visitor lot/facility, and on the Transportation and Parking Services website, as appropriate.



(d) Refund of Fees.

1. The Student Transportation Access Fee refund policy will be in accordance with University refund guidelines for local fees.

2. Virtual permits, parking placards, and parking hang-tags purchased on an annual or semester basis will not be refunded/canceled unless student has withdrawn from the University or employee is no longer employed by the University. In these cases, refunds will be made on a pro-rated basis on a monthly scale for unused parking and/or payroll deductions will cease at separation from the University.

3. No refunds will be issued for temporary permits or payroll deducted permits.

(e) Towing and Related Charges. If a vehicle is towed from University property, the standard towing fees will be paid by the owner or user of the vehicle directly to the commercial towing companies providing services authorized at the request of the University.

(4) Operation of Vehicles. Persons who drive vehicles on campus are subject at all times to the motor vehicle laws of the State of Florida, the Regulations of Florida State University and to the ordinances of the City of Tallahassee, where applicable.

(5) Parking of Vehicles.

(a) FSU reserves the right to regulate the use of any or all parking facilities, including the right to deny or revoke vehicle parking privileges to an individual or groups of individuals and to reserve parking facilities for the exclusive use of selected and designated individuals.

(b) The responsibility of locating a legal parking space rests with the operator of the motor vehicle. Lack of space will not be considered a valid excuse or reason for violating any parking regulation.

(c) Wrecker Services. Due to the nature of the University's on and off-street parking control activities the University utilizes local wrecker services on a rotational basis.

(d) Vehicles parked in violation of the provisions of this Regulation, abandoned on campus, deemed as a safety hazard by the FSU Police Department or Environmental Health and Safety, or failing to be registered for a valid virtual permit or display a current and valid parking placard or hang-tag shall be towed away and placed in commercial or University storage. Towing and storage charges, and any appropriate University fines, will be borne by the vehicle owner and must be paid before the vehicle will be released.

(e) All parking and traffic regulations apply 24 hours a day, 7 days a week except as follows:

1. "R" parking areas are reserved for the use of vehicles registered for "R", "RP", and "E" virtual permits, or vehicles displaying placards and hang-tags that provide parking in "R" parking areas, between the hours of 7:30 AM and 4:30 PM on all class days (or as otherwise noted by signage and/or gate equipment), examination periods, semester breaks and registration periods. "V" hang-tags may utilize ungated "R" parking areas only. These areas are delineated by signs and/or red parking lines. After 4:30 PM Monday through Friday, all valid FSU virtual permits, placards, and hang-tags are honored unless otherwise noted by signage.
2. "W" parking areas are reserved for the use of vehicles registered for valid "VW" virtual permits, or vehicles displaying placards and hang-tags that provide parking in "W" parking areas, between the hours of 7:30 AM and 4:30 PM Monday through Friday. These parking areas are delineated by signs and/or white painted parking lines.
3. Shared parking areas are reserved for the use of vehicles registered for valid FSU virtual permits, or vehicles displaying placards and hang-tags that provide parking in shared parking areas, between the hours of 7:30 AM and 4:30 PM Monday through Friday. These parking areas are delineated by signs and/or alternating red and white painted parking lines.

4. Between 4:30 PM and 10:00 PM, Monday through Friday, all parked vehicles must be registered for a valid FSU virtual permit or display a valid parking credential and may park in any marked space in any unreserved parking area without regard to permit designation and may park in hourly parking spaces provided applicable fee has been paid. Reserved and disabled parking regulations are still enforced.

5. Between 10:00 PM Friday and 11:59 PM, Sunday, no virtual permit or valid parking credential is required to park in any marked space in any unreserved parking area. Hourly spaces may be used without charge. Reserved and disabled parking regulations are still enforced.

~~5. Between 10:00 PM and 7:30 AM, Monday through Friday and all day on weekends, no virtual permit or valid parking credential is required to park in any marked space in any unreserved parking area. Hourly spaces may be used without charge. Reserved and disabled parking regulations are still enforced.~~

(f) General disabled spaces are restricted 24 hours a day, 7 days a week to vehicles bearing valid State disabled parking permits as provided in section (2)(a)6 of this Regulation, or temporary disabled parking permit as provided in section (2)(f)11.

(g) General disabled spaces may be designated as time limited. The time limitation will be posted on the sign. Vehicles parked in the time limited disabled space for longer than the maximum time are subject to the issuance of a fine code (01) citation. Accessible spaces in gated lots shall be designated for faculty, staff or student affiliates whose vehicle is properly registered to a valid FSU virtual permit and valid Department of Motor Vehicle Disabled Parking Permit. Vehicles without a valid FSU virtual permit are not authorized to park in the restricted disabled spaces.

(h) Spaces reserved for individuals, University/State vehicles or specific University facilities are restricted 24 hours per day, 7 days a week, unless otherwise posted.

(i) Motorcycle, moped, or motor scooter spaces are restricted to motorcycles, mopeds or motor scooters 24 hours per day, 7 days a week. Motorcycles, mopeds, or motor scooters may park in hourly spaces as long as all fees are appropriately paid. Motorcycles may not park in non-hourly automobile spaces and may not park in any gated lot or facility.

(6) Fine Structure.

(a) The following practices are specifically prohibited. The fine for each infraction shall be as follows:

1. Parking illegally on University property to include but not limited to: parking without a valid virtual permit, parking placard, or parking hang-tag in restricted lots; parking multiple vehicles on campus that are assigned to a single virtual permit; back-in parking without authorization; back-in parking in a campus parking garage or parking lot with angled parking; parking in an access lane; blocking access to spaces, lots, facilities, drive aisles, or streets; parking without the appropriate virtual permit, parking placard, or parking hang-tag for the space, lot, or facility used; obstructed license plate; virtual permit vehicle information entered incorrectly; improper parking in a loading zone; parking on lawns, landscape or sidewalks; parking in a "No Parking" or non-designated parking area; overtime parking in hourly spaces or time limited spaces -- fine code 01. The fee assessed for this violation: \$30.00.

2. Boot Fee. Administrative charge for vehicle that is immobilized for unpaid parking citations. Citation is placed on identified vehicle and the payment must be paid with other outstanding citations before the boot is removed from the vehicle. Fine code 02 violation. The fee assessed for this violation: \$50.00.

3. Parking in a fire lane or any area designated and marked as a fire lane -- fine code 03. The fee assessed for this violation: \$100.00.

4. Parking in a disabled space without authorization, blocking disabled spaces or access aisles, or with a disabled permit being used fraudulently -- fine code 04. The fee assessed for this violation: \$250.00.

5. False registration. Falsification of proof of status to obtain an FSU virtual permit, motorcycle permit, parking placard, or parking hang-tag or purchase of a virtual permit, motorcycle permit, parking placard, or parking hang-tag by an authorized individual for use by or resale to an unauthorized individual. Failure to provide correct vehicle information within seven working days. Use of a parking permit, placard, or hang-tag listed as stolen or lost. Use of an altered or forged parking permit, placard, or hang-tag. Misuse and fraudulent use of a virtual permit, motorcycle permit, parking placard, or parking hang-tag or unauthorized use or possession of a gate opening device -- fine code 05. The fee assessed for this violation: \$100.00.

6. Parking in a designated reserved space, reserved lot/facility, or ~~bagged~~ hourly space -- fine code 06. The fee assessed for this violation: \$100.00.

7. Parking in designated bus loading zone during operating hours -- fine code 07. The fee assessed for this violation: \$100.00

(b) Late Fee. A \$10.00 late fee is assessed on all parking citations that are unpaid or uncontested after thirty (30) calendar days from issuance.

(7) Disposition of University Parking Citations.

(a) Uncontested. Persons wishing to pay the fine for any University Parking Citation shall do so at Student Financial Services or designated point of payment, in accordance with the schedule of fines.

(b) Contested. Any person wishing to contest a University Parking Citation shall proceed as follows:

1. Notice. Such person shall, within 30 calendar days from the date on which the citation was issued, file a written notice of election to contest the citation with the Office of Transportation and Parking Services.

2. The Florida State University Parking Violations Appeal Form, identified as FSU Form No. MP-03, Eff. 8-89, and the instructions contained therein are adopted by reference. Copies of the form may be obtained from the Florida State University Office of Transportation and Parking Services, Tallahassee, Florida.

3. Disposition by Director. The Director or designee shall review timely received written appeals or completed Form MP-03, and as soon thereafter as practicable, issue a written finding that the person charged is either in violation or not in violation of the University parking Regulation designated on the citation. Any person found to be in violation shall within 14 calendar days of issuance of the Director's written findings, either pay the applicable fine or give notice of his or her intent to seek review by the Transportation Violations Appeals Board. Such notice shall be given by completing a Transportation Violations Appeals Board Form MP-01 and filing it with the Board Coordinator. At the time of filing Form MP-01, if applicant wishes to have the issuing officer present at the Appeal Board hearing they must specifically indicate this request on Form MP-01. This is the only time the request can be made.

4. The Florida State University Transportation Violations Appeal Board Form, identified as FSU Form No. MP-01, Eff. 8-89, and the instructions contained therein are adopted by reference. Copies of the form may be obtained from the Florida State University Office of Transportation and Parking Services, Tallahassee, Florida.

5. Transportation Violations Appeals Board. Any person for whom an appearance before the Board has been scheduled may appear personally, or submit a written presentation, or both. Any person making a written submission only, must submit it to the Board Coordinator at least

1 working day prior to the date on which the appearance is scheduled. A person appearing in person before the Board desiring to have the presence of the issuing officer at the hearing must request the presence of the officer at the time of scheduling the date and time of hearing. This request will be indicated on the filed Form MP-01. If an individual indicates a desire to appear personally, the Coordinator will schedule an appearance and give the person written notice of the date, time, and place thereof. A person appearing in person before the Board may also introduce witnesses but shall be responsible for securing the presence of such witnesses. In any appearance before the Board, whether in person or in writing, a person may raise any matter relevant to the Board's decision. Any person who is unable to appear personally at the time scheduled, but wishes to do so, can reschedule an appearance by contacting the Board Coordinator at least 3 working days prior to the originally scheduled appearance and showing good cause why the appearance should be rescheduled. The Board shall have the authority to continue any person's appearance to a subsequent date, time, and place, whenever the Board Chairperson determines that such a continuance is necessary to dispose of the matter. The Appellant may only cancel and have rescheduled one Board

hearing. After one such cancellation the Board will proceed with the rescheduled hearing and in the absence of the Appellant, will consider the Appellant's completed Transportation Violations Appeal Form MP-03 as the Appellant's appeal presentation. After the conclusion of a proceeding before the Board, the Board shall issue in writing its decision to either affirm the

Director's findings, affirm the Director's decision and reduce the fine, or reverse the Director's decision and dismiss the citation. The decision of the Board shall be final. The proper initiation of a proceeding to contest a citation shall serve to suspend the 14-working day deadline for timely payment of fines for the period that the proceeding is pending.

(c) Automatic Adjudication. All persons are subject to an automatic adjudication of guilt for failure to respond to a citation within 30 calendar days following the violation. In such case, the appropriate fine, plus an additional penalty, shall be imposed. Any person who is automatically adjudicated guilty may appeal in writing to the Transportation Violations Appeals Board for waiver of the automatic adjudication of guilt and the additional penalty. This appeal must be made within 180 calendar days from the date of the issuance of the citation. If the Board determines that there are extenuating circumstances justifying a waiver, the individual shall be given the prerogative of appealing the citation itself to the Board.

(d) Confidentiality. In any case in which a student is the alleged violator, the records of proceedings before the Director and the Board shall be disclosed only in accord with Sections 1002.22 and 1006.52, Florida Statutes.

(e) Non-Compliance, Sanctions. In addition to the obligation to pay the appropriate fine and penalty, the following additional actions shall be taken, and sanctions imposed in the following circumstances:

1. In the case of a person who fails to either pay the applicable fine or give notice of his or her election to contest a University Parking Citation, within 30 calendar days of the date of issuance of such citation; or who fails to pay the applicable fine within 30 calendar days of the date of issuance of written decision of the Transportation Violations Appeals Board, affirming the individual's adjudication of violation, the Director of Transportation and Parking Services is authorized to revoke, suspend, or restrict the on-campus driving and parking privileges of such



individual and take such further action as necessary to enforce the revocation or restriction of privileges and shall cause the matter to be referred as appropriate to the University Controller, the Dean of Students or the University Personnel Relations Department, or some combination thereof, for further action.

2. All matters so referred to the University Controller shall be deemed to be accounts receivable and the Controller shall take the necessary action to collect such debts. In the case of students, such necessary action shall include: refusal of permission for such students to register and withholding of transcripts and diplomas from such students until the debt has been paid. In the case of employees such necessary action shall include: involuntary payroll deductions, pursuant to Regulation FSU-2.022, F.A.C., until the debt has been paid.

3. All matters involving faculty employees shall be referred to the Office of the Dean of the Faculties for appropriate action taken in accordance with applicable provisions of the Florida Statutes, University Regulations governing faculty employment, and any applicable faculty collective bargaining agreement. All matters involving non-faculty employees shall be referred to the Assistant Vice-President and Chief Human Resources Officer or designee for appropriate action taken in accordance with applicable provisions of Florida Statutes, Regulation FSU-4.070, and any applicable collective bargaining agreement.

4. Following revocation, suspension or restriction of on-campus driving and parking privileges, the Director shall lift said revocation, suspension or restriction once the applicable fines, charges, and penalties have been paid and all other requirements for registration have been met.

5. Either the Director of Transportation and Parking Services or the Parking Violations Appeals Board, shall, for good cause shown, provide for a longer period of time in which to pay the applicable fine. Good cause shall include, but not be limited to: (1) compelling personal or

family financial obligations or inability to pay; or (2) percent of fine in relation to an individual's available income exceeds 25%. In such cases, no further sanction or penalty as described herein shall be imposed on account of the outstanding fine, until such time period has elapsed without full payment being made.

6. Immobilization; "Booting". A motor vehicle parked upon the University campus may, at any time, by or under the direction of an officer or staff member of the Department of Public Safety or an employee of the Office of Transportation and Parking Services, be immobilized in such a manner as to prevent its operation. A vehicle will be considered "bootable" in accordance with due process and based on a citation history, when 3 or more parking citations are outstanding against a responsible individual or if pending parking citations total \$90.00 or more.

a. Upon immobilization of such motor vehicle, the officer or employee shall cause to be placed on such vehicle, in a conspicuous manner, sufficient notice to warn any individual that such vehicle has been immobilized and that any attempt to move such vehicle might result in damage to the vehicle and is grounds for criminal charges for grand theft.

b. The individual responsible for the vehicle shall have the right to a probable cause hearing before the chairperson of the Transportation Violations Appeals Board or his or her designee, provided such a hearing is requested within 15 calendar days from the date the notice of immobilization is received. The purpose of the hearing is to determine if there is probable cause for continued detention of the vehicle. No hearing will be held unless requested in writing by the individual responsible for the vehicle or his or her agent at the Office of Transportation and Parking Services. The hearing shall be held within 72 hours from receipt of said written request, and the decision shall be issued in writing within 24 hours from the close of the hearing. In lieu of the probable cause hearing, or pending such hearing, where probable

cause is found at such hearing, the individual responsible for the vehicle or his or her agent may obtain release of the vehicle by depositing security in the amount of immobilization charges and all delinquent fines and penalties to the Director of Transportation and Parking Services, or his/her designee.

c. If the chairperson or his or her designee finds probable cause to immobilize a vehicle, upon request of the individual responsible for the motor vehicle, a date shall be set for full evidentiary hearing before the Transportation Violations Appeals Board. Pending this hearing, the vehicle may be released as provided in (6) (b) above.

d. If no probable cause is found to impound a motor vehicle, it shall be released without requiring the individual responsible for the vehicle to pay the administrative charge for immobilization. If the motor vehicle was previously released upon payment of security, such payment shall be refunded.

e. Failure to request a probable cause hearing within 15 calendar days from the date of the notice of impoundment is received constitutes a waiver of said hearing and the vehicle shall be released only upon payment of the impoundment charges and delinquent fines or penalties.

f. The immobilization device or mechanism shall remain in place for 48 hours, unless the individual responsible for the vehicle has complied with subsection (b) above. If such compliance has not occurred within 48 hours, the vehicle shall be towed and impounded. This subsection does not preclude the towing in the first instance of the vehicle which, because of the number of outstanding parking citations against it, is subject to towing and impoundment pursuant to the other provisions of this Regulation.

Specific Authority Specific Authority: Art. IX, Sec 7, Florida Constitution, , Florida Board of Governors Regulations 1.001(3)(j), (7)(k), 7.003(9), (10), Florida Board of Governors Regulation Procedure, 7-21-07, Law Implemented 1006.66, 1009.24(14)(r), FS History--New 9-30-75, Amended 3-2-77, 8-28-79, 8-12-85, 4-16-86, Formerly 6C2-2.09, Amended 7-14-87, 8-1-88, 8-1-89, 4-24-90, 11-4-91, 8-17-92, 9-27-93, 12-14-93, 10-28-94, 9-17-95, 8-25-98, 7-20-99, 8-17-00, 8-3-05, 6-9-06, 2-11-2007, 6-13-2008, 6-25-2010, 9-9-2011, 6-7-2013, 10-9-2015, 6-7-2019, 8-13-2020, 6-22-2022, \_\_\_\_\_



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM U



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Finance and Business Committee*

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#### CONSENT ITEM U

Thursday, June 20, 2024

**SUBJECT: Parking Regulation 2.009 Amendment**

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#### **PROPOSED COMMITTEE ACTION**

Seeking approval to amend parking regulation 2.009 as follows:

- create an optional student parking permit that would be required to park overnight (12a-5:45a M-F)
- allows parking from 10:00pm Friday through 11:59pm Sunday with no virtual parking permit or valid parking credential required in unreserved areas.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

The authority for the proposed regulation is as follows: BOG Regulations 1.001(3) (j), (6), (7) (g); 1009.24(14) (r) F.S.

#### **BACKGROUND INFORMATION**

The implementation of a fee-based permit will lower demand for overnight parking thereby freeing up space for our commuting populations and generate much-needed parking revenue which would be used to improve parking and transportation programs and facilities.

#### **ADDITIONAL COMMITTEE CONSIDERATIONS**

BOG approval is not required for this item.

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**Supporting Documentation Included:** Regulation 2.009 amended language

**Submitted by:** Kyle Clark, Senior Vice President for Finance & Administration

## **FSU-2.009      Parking and Traffic Regulations.**

### **(1) General Information.**

(a) Applicability of Traffic Regulation. This regulation shall be applicable to all vehicles operated or parked on the Florida State University (FSU) campus at any time, including examination periods, semester breaks, and registration periods. The fines, penalties and other sanctions provided herein may be imposed against any person who shall cause, allow, permit or suffer any vehicle registered in any state or at the Office of Transportation and Parking Services in the name of, or operated by such person to be parked or operated in violation of any provision of this Regulation. It is the policy of FSU to enforce the provisions of this Regulation and seek to impose the fines, penalties or other sanctions provided herein:

1. In the case of a vehicle registered with the Office of Transportation and Parking Services, against the person in whose name such vehicle is so registered.
2. In the case of a vehicle not so registered, if it is determined that the operator at the time of the violation is affiliated with FSU and, in fact, should have registered the vehicle with the Office of Transportation and Parking Services, against the person affiliated with FSU.
3. In the case of a vehicle not so registered and whose operator at the time of the violation cannot be identified, against the title holder of said vehicle.

(b) Applicability of Florida Statutes and Ordinances of the City of Tallahassee. All ordinances of the City of Tallahassee relating to traffic which are not in conflict or inconsistent with this Regulation shall extend and be applicable to the grounds of the University. A copy of said ordinances shall be available for inspection at the Office of Transportation and Parking Services. In addition, the provisions of Chapter 316, Florida Statutes, shall extend and be applicable to the grounds of the University.

(c) Responsibility for Implementation. Unless otherwise noted, the Director of Transportation and Parking Services shall be responsible for the supervision and implementation of this Regulation. All requests for individual consideration with regard to the parking and traffic regulations contained in this Regulation must be directed to that person at the Office of Transportation and Parking Services.

(d) Definitions. The following words and phrases, when used in this Regulation, shall have the meanings respectively ascribed to them in this section, except where the context otherwise requires:

1. Access Lane. Any area that is not designated as a parking space, and that provides an avenue for traffic flow and emergency vehicles.
2. Automobile. Any motor vehicle having three (3) or more wheels.
3. Back-in Parking. Parking a vehicle so that the front-end of the vehicle is pointing toward the drive aisle. It does not matter if the vehicle actually backed into the parking space or drove through an adjacent space.
4. Commuter Lot. Designated lots/facilities that prohibit the parking of vehicles between the hours of midnight and 5:45 AM, except on Friday and Saturday evenings or as posted on the entrance of the lot.
5. Commuter Student. Any person not classified as faculty, administrative and professional personnel or University support personnel system staff that is enrolled and carrying 1 or more credit hours of undergraduate or graduate work at FSU that does not pay for on-campus housing and does not reside in an on-campus FSU residential hall.
6. Designated Parking Space. Areas governed by FSU parking Regulations with parking spaces delineated by red, white, yellow, green or blue striping, and ~~meter~~ hourly parking sign , or other physical barriers to include, but not be limited to railroad ties and bumper blocks intended to delineate parking parameters.

7. Director of Transportation and Parking Services. An FSU employee who has been assigned the specific duties of supervising and managing the Office of Transportation and Parking Services.

8. Employee. Any employee of FSU including (but not limited to) executive staff, faculty, administrative and professional personnel, University support personnel system staff, and OPS staff.

9. Employees of Recognized FSU Organizations or Contracted Services. Personnel who work on campus, but who are not University employees (including, but not limited to: bookstore employees, beauticians, barbers, food service personnel, credit union employees, golf course employees, postal/shipping employees, staff of religious houses, event personnel, and employees of the Greek houses).

10. Financial Aid Disbursement. The period of time defined each semester by the Controller's Office for the disbursement of financial aid funds.

11. Fire Lanes. Those areas of campus that must be kept clear of all obstructions so as not to interfere with the movement of fire-fighting equipment and which are marked as fire lanes by signs and red painted curbing or fluorescent red and white painted areas, or both.

12. Loading Dock. Areas specifically designated for the sole purpose of loading or unloading materials or equipment at the delivery entrance or designated location to a building. Properly identified service vehicles, commercial vehicles, or vehicles properly displaying loading dock permits issued by the Office of Transportation and Parking Services are authorized to use loading docks. Loading docks are delineated by signs and/or pavement markings. Vehicles parked without proper authorization will be issued a citation and/or towed at owner's expense.



13. Loading Zones. Areas specifically designated for the sole purpose of loading or unloading materials or equipment. Properly identified service vehicles, commercial vehicles, vehicles registered for valid FSU virtual permits, or vehicles properly displaying a valid loading zone parking credential issued by the Office of Transportation and Parking Services are authorized to use loading zones. Loading zones are delineated by signs and/or pavement markings. Use of these areas is limited to 20 minutes. Vehicles exceeding the 20-minute maximum period may be issued a parking citation. Additional citations may be issued every hour after the original citation and/or vehicles may be towed at owner's expense.

14. Motorcycle, Moped, or Motor Scooter. Any motor vehicle having less than three (3) wheels.

15. Overnight Lot. Designated lots/facilities that allow parking twenty-four (24) hours a day.

16. Parking. The standing of a vehicle, whether occupied or not and whether the engine is running or not., as may be permitted by law under the State Uniform Traffic Control Law, Chapter 316, Florida Statutes, or this Regulation pursuant to Section 1006.66.

17. Parking Credential. A virtual parking permit, parking placard, parking hang-tag, or other designated pass/permit that authorizes parking in one or more campus parking lots/facilities.

18. Parking Hang-Tag. A parking hang-tag is a physical parking permit that is hung from an automobile's rearview mirror. A parking hang-tag authorizes parking in the lots, facilities, and/or spaces as shown on the hang-tag. The parking hang-tag does not authorize parking in any lots, facilities, or spaces not noted on the hang-tag.

19. Parking Placard. A parking placard is a physical parking permit that is placed on an automobile's dashboard. A parking placard authorizes parking in the lots, facilities, and/or spaces as shown on the placard. The parking placard does not authorize parking in any lots, facilities, or spaces not noted on the placard.

20. Permit Registration Year. The period from August 15 of one year to August 15 of the succeeding year

21. Persons Affiliated with FSU. Employees or students of FSU or employees of recognized FSU on-campus organizations or contracted services.

22. Reserved Space. A parking space that is reserved for a specific user, user group, event/function, or vehicle. The space will be marked with signage, pavement markings, and/or temporary barricades. Any parking space on campus may be reserved for events or other University functions.

23. Resident Student. Any person not classified as faculty, administrative and professional personnel or University support personnel system staff that is enrolled and carrying 1 or more credit hours of undergraduate or graduate work at FSU that also pays for on-campus housing and resides in an on-campus FSU residential hall.

24. Restricted Hours. Between 7:30 AM and 10:00 PM, Monday through Friday on all class days, examination periods, semester breaks, and registration periods.

25. Service Vehicle Area. Areas reserved for properly identified service or emergency vehicles performing maintenance or repair of University owned or leased equipment or facilities, commercial vehicles, or vehicles bearing proper authorization from the Office of Transportation and Parking Services. Non-Service State vehicles are prohibited from parking in service vehicle spaces. Service vehicle areas are reserved during restricted hours and are delineated by signs and/or pavement marking. Vehicles without proper authorization will be issued a citation and/or towed at owner's expense for parking in a reserved space without authorization (fine code – 01 if the space is not reserved for a specific vehicle or fine code – 06 if the space is reserved).

26. Short Term Parking. Those spaces designated by signage with a two-hour maximum stay. An appropriate parking placard or hang-tag must be obtained from the Office of Transportation and Parking Services and appropriately displayed on the vehicle.

27. Transportation Violations Appeals Board. The University traffic authority established pursuant to Section 1006.66, Florida Statutes, to review disputes regarding citations and to render decisions regarding the appropriate penalty to be imposed, including the restriction, removal, or restoration of driving or parking privileges on campus. The Transportation Violations Appeals Board will consist of 2 or more divisions of equal authority. Each shall be composed of 4 members appointed for a period of 1 year. There shall also be appointed a pool of alternate members who shall be eligible to serve when called upon by the Board Coordinator, when a regular member is unavailable. All appointments shall be made by the Vice President for Finance and Administration. The positions on each division of the Board shall be occupied by faculty, staff (A&P or USPS) and student members. The Chairperson shall be elected annually from among the members of the Board and shall have full voting rights. This Board shall function on a year-round basis. A quorum shall consist of at least 2 members of the Board. When a quorum is not available, and the appellant has arrived on time for their scheduled hearing, the citation(s) will be dismissed.

28. Vehicle. Any automobile, motorcycle, moped or motor scooter as defined. Motorized scooters and micromobility devices governed by s. 316.2128, F.S., have certain rights of bicycles and are governed by that law, University regulation and policy including those governing bicycles, city ordinance and the provisions of any vendor contract.

29. Virtual Permit. Vehicle registration which allows the registered vehicle to be parked on the grounds of the University, as set out in this Regulation. A virtual permit is not a physical

permit. Instead, the registered vehicle's license plate is used to determine whether or not the vehicle is properly registered with the Office of Transportation and Parking Services. Up to five automobiles may be registered to a single virtual permit. However, a vehicle may not be registered to more than one virtual permit at a time. Automobile virtual permits are only issued to vehicles with three (3) or more wheels and motorcycle virtual permits are only issued to vehicles with fewer than three (3) wheels.

30. Visitors. Persons who are not employees or students of FSU and who do not work on campus for other organizations.

31. Working Day. Any day that the University is officially open. This does not include official holidays or winter break.

(2) Virtual Permits, Parking Placards, and Parking Hang-Tags.

(a) All vehicles parked on the campus by persons affiliated with FSU must be registered for a valid virtual permit or display the appropriate placard or hang-tag as instructed. The following, however, are excepted:

1. Board of Trustees. Vehicles bearing a valid "Board of Trustees" parking placard may be parked in any designated, unreserved parking space on campus.

2. "State" Tag Vehicles. Vehicles owned by or assigned to an FSU department or organization and bearing a duly issued "State" license tag must be registered for a valid virtual permit, but are not required to pay hourly parking fees. Such vehicles may be parked in any designated, unreserved parking space, short-term space (2-hour maximum) or loading zone (20-minute maximum) on campus. Vehicles bearing a duly issued "State" license tag but are not owned or assigned to an FSU department or organization must either purchase a virtual permit, purchase a visitor parking placard or hang-tag, park in an hourly parking space and pay the appropriate fee, or park in a designated visitor parking lot/facility and pay the appropriate fee.

3. News Media Vehicles. Press representatives, reporters, correspondents, and other representatives of the news media not otherwise affiliated with FSU, who are on campus on official news or press business, may park in any designated, unreserved space, short-term space (2-hour maximum) and loading zone (20-minute maximum). A virtual permit is not required if a valid press identification is prominently displayed on the vehicle(s). Students, faculty and staff are not eligible for this exemption.

4. Commercial Representatives in Commercial Vehicles. Marked delivery trucks, telephone and power service vehicles, limousine service automobiles, taxis, and buses making brief stops (less than 10 minutes) at 1 or more points on campus are not required to register for a virtual permit or display a parking placard or hang-tag. Vehicles used by persons required to perform service or regular maintenance on University-owned or leased equipment or facilities must have a valid FSU parking hang-tag displayed. These vehicles may be parked in any designated, unreserved parking space. Hourly parking and visitor lot/facility fees must be paid.

5. Contractors. Contractors and contractor personnel engaged in FSU construction projects may park within the fenced enclosure of the construction site. Other parking must be off campus or other on-campus locations specifically designated by the Office of Transportation and Parking Services. Construction placards or hang-tags must be displayed in the windshield of each parked vehicle, whether or not the vehicle is parked in a parking lot/facility or within a fenced enclosure.

6. Vehicles Transporting Disabled Individuals; Disabled Veterans.

a. In accordance with Florida Statutes, a vehicle bearing a disabled parking permit issued pursuant to Sections 320.0848, 320.0842, 320.0843, and 320.0845, Florida Statutes, or a disabled license plate issued pursuant to Section 320.084 or Section 320.0848, Florida Statutes

(disabled veterans and veterans confined to wheelchairs), may park in designated accessible

b. spaces if such vehicle is transporting a person eligible for such parking permit or license plate. Any person who is chauffeuring a disabled person shall be allowed momentary parking in any such parking space for the purpose of loading or unloading a disabled person. No penalty shall be imposed upon the driver for such momentary parking. Such vehicles shall not, however, be parked in a reserved space, bus loading zone, fire zone, disabled space access aisle, service vehicle space, non-designated parking area or any other area posted as a "No Parking" zone. All employee and student affiliates are required to purchase the appropriate virtual permit in order to park on campus. Vehicles appropriately registered for a valid virtual permit and displaying a disabled permit issued by the state may park in hourly, loading zone, short- term, and other unreserved permit designated spaces as long as time restrictions are observed. Visitors displaying a disabled permit issued by the state may park in designated accessible spaces, hourly parking space (at no charge), and/or visitor parking lots/facilities (provided the regular rate/fee is paid).

c. Any person who fraudulently obtains or unlawfully displays a disabled parking permit that belongs to another person while occupying a disabled parking space or an access aisle as defined in s.553.5041 while the owner of the permit is not being transported in the vehicle or who uses an unauthorized replica of such a disabled parking permit with the intent to deceive is guilty of a misdemeanor of the second degree, punishable as provided in s.775.082 or s. 775.083.

d. Transportation and Parking services will immobilize any vehicle displaying a fraudulent disabled permit and contact the FSU Police Department.

7. Visitors may park in hourly parking spaces or in any designated visitor parking lot/facility

provided appropriate fees are paid and time limits are not exceeded. All vehicles must be parked with the flow of traffic.

(b) The virtual permit year begins on August 15 and ends the following August 15. All permits, placards, and hang-tags will expire on August 15 each year.

(c) Permit Information: All persons affiliated with FSU that park on University property are required to register for a virtual permit and pay all related charges/fees.

(d) The Office of Transportation and Parking Services reserves the right to deny, restrict or revoke parking privileges to any individual who is in violation of the provisions of this Regulation. The fraudulent acquisition of a permit by giving incorrect information, falsified proof of status, or by any other means shall result in the issuance of violation(s), false registration -- fine code 05, to the individual(s) involved.

(e) Replacement Gate Access Cards and Virtual Permit Refunds. A replacement gate access card, if applicable, will be issued when a gate card is no longer serviceable. The original gate card must be returned to the Office of Transportation and Parking Services to qualify the holder for a replacement gate card due to defect. No refunds will be issued for returned temporary permits, gate cards or remote gate openers.

(f) Virtual Permit Classifications.

1. Faculty, Administrative and Professional personnel, and University Support Personnel System staff are eligible to register for "RP" virtual permits. Faculty, Administrative and Professional personnel, University Support Personnel System staff, Non-Student OPS employees of recognized FSU affiliated organizations or contracted services are eligible to register for "R" virtual permits. Both the "RP" and "R" virtual permits authorize parking only in designated "R" parking areas (as identified by red stall lines and/or entrance signage) or in areas specified for shared parking (as identified by alternating red and white stall lines and/or

entrance signage. In order to be appropriately registered for an “RP” or “R” virtual permit, the employee must provide the make, model, color, year, and license plate of each vehicle registered to the virtual permit (up to five vehicles per permit) and pay all required fees.

2. Visitors are eligible to purchase a "V" parking hang-tag, authorizing parking only in designated "W" and non-gated “R” parking areas. Faculty, staff and student affiliates, as well as employees of FSU affiliated organizations or contracted services, are not eligible to purchase a "V" hang-tag.

3. Students and Non-Student OPS employees are eligible to register for “VW” virtual permits. Vehicles that are registered to a "VW" virtual permit are authorized to park in designated "W" parking areas (identified by white stall lines and/or entrance signage) between the hours of 5:45 AM and 12:00 a.m. on all class days in areas designated for commuter parking and 24-hours per day in areas designated for overnight parking. “VW” virtual permits can also park in areas specified for shared parking (as identified by alternating red and white stall lines and/or entrance signage).

4. Students are also eligible to register for a “VRES” virtual permit which allows 24/7 access to a designated reserved lot or area. To acquire this optional permit, students must provide the make, model, color, year, and license plate of each vehicle registered to the virtual permit and pay all required fees (\$325 – Academic Year or \$415 – Annual).

4.5. Students are also eligible to register for an “Overnight” virtual permit (ON) which allows parking in all areas designated for overnight parking between the hours of 12am and 5:45am Monday through Friday. This permit will also carry “VW” parking privileges at all other times. To acquire this optional permit, students must provide the make, model, color, year and license plate of each vehicle registered to the virtual permit and pay all required fees (\$300 – Annual)



~~5.6.~~ Persons with FSU retired status who are no longer receiving any form of financial compensation for active employment may purchase an Emeritus or "E" virtual permit. The "E" virtual permit authorizes parking in any designated non-reserved faculty/staff parking area.

~~6.7.~~ Individuals operating motorcycles, mopeds or motor scooters may purchase a "VMC" virtual permit authorizing parking in motorcycle parking spaces only.

Commercial vendors and sales and service representatives are eligible to purchase commercial ("C") hang-tags. Vehicles bearing "C" hang-tags may park in any designated, ~~non-gated~~ unreserved parking space on campus. Commercial hang-tag holders may also utilize designated loading areas for 20-minute periods only, short-term parking spaces (2 hour maximum), and unreserved service vehicle spaces, as well as hourly parking spaces and visitor parking lots/facilities (provided appropriate fees are paid).

~~7.8.~~ Loading Zone hang-tags may be purchased on an individual basis to afford access to designated loading zones for loading or unloading of materials or equipment. "LZ" hang-tags are not valid in any other parking spaces on campus.

~~8.9.~~ Service vehicle hang-tags may be purchased by eligible service and technical support representatives. Vehicles bearing a valid "SV" hang-tag are eligible to park in designated unreserved service vehicle spaces with no time restriction and loading zones for a maximum of twenty (20) minutes. "SV" hang-tags are not valid in any other parking spaces on campus.

~~9.10.~~ Departmental hang-tags may be purchased by eligible FSU departments for use by employees to conduct departmental business. Vehicles bearing a valid departmental hang-tag are eligible to park in unreserved "R" parking spaces and loading zones for a maximum of twenty (20) minutes.

~~10.11.~~ Back-in hang-tags may be purchased by individuals with valid FSU virtual permits.

Vehicles bearing a valid back-in hang-tag are authorized to park in appropriate campus parking

lots back-in style. Back-in hang-tags are not valid in parking garages or in parking lots with angled parking spaces.

~~11.12.~~ 12. Temporary disabled parking placards or hang-tags will be issued by the Office of Transportation and Parking Services, upon determining eligibility, for a period not to exceed 21 calendar days. To be eligible to apply for a temporary disabled parking permit, the individual must have properly registered and paid for a valid virtual permit. Extension of the eligibility of a temporary permit for more than 21 calendar days will only occur upon receipt of a duly executed Florida Department of Highway Safety and Motor Vehicles Form 83039 S, which is incorporated herein by reference which contain "Disabled Person's Parking Permit a Physician's Statement of Certification", for issuing disabled parking permits at which time a placard or hang-tag will be issued for an additional period not to exceed 35 calendar days. This temporary disabled parking permit is non-renewable.

(g) Virtual permits, parking placards and hang-tags are issued to specific individuals or departments/organizations and are not transferable. The registered owner of the virtual permit, parking placard or parking hang-tag accepts responsibility of all fines when the permit is used by or displayed on any vehicle.

(h) An individual may purchase and maintain only 1 automobile virtual permit and 1 motorcycle virtual permit at a time during each permit year. This excludes any replacement permits issued.

(i) On the day preceding a home football game (including the spring football game) or as designated on lot/facility entrance signage, all vehicles must be removed by 11:59 PM in designated football lots. A map of football parking lots and facilities will be available on the Office of Transportation and Parking Services website.

### (3) Parking Fees and Penalties.

(a) "VW" Student Transportation Access Fee. To be assessed each semester to all registered students. At the beginning of each academic year or upon the first registered semester for the academic year a virtual permit can be obtained by each student who has registered for classes. Each student who registers for a virtual permit and pays all related fees/rates shall be granted a "VW" virtual permit for their automobile or a "VMC" virtual permit for their motorcycle, scooter or moped. If a student owns both an automobile and a motorcycle, they shall have the option to purchase both a virtual permit for their automobile and a virtual permit for their motorcycle. It is the responsibility of the student to properly register their vehicle(s) for a virtual permit from the designated point of distribution. All annual permits shall expire on August 15 of each year.

(b) Fees for Transportation Services. The fees assessed for each type of parking credential, with the exception of the Student Transportation Fee and departmental charges, are subject to a sales tax mandated by the State Legislature. All transportation fees shall be posted on appropriate websites. Any fee increase/decrease to the Student Transportation Fee shall be approved by the Board of Trustees. The University President or designee shall have the authority to regulate all other fees associated with Transportation and Parking Services not addressed in this regulation.

(c) Fees for Visitor Parking Spaces/Lots/Facilities, Contractor Parking, and Special Event Parking. Fees for visitor, contractor, and event parking passes, hourly parking, designated visitor parking lots/facilities, and campus special event reservations shall be determined by the Director of Transportation and Parking Services. All visitor, contractor and event parking rates will be posted in the parking payment app, at the entrance of each visitor lot/facility, and on the Transportation and Parking Services website, as appropriate.

(d) Refund of Fees.

1. The Student Transportation Access Fee refund policy will be in accordance with University refund guidelines for local fees.

2. Virtual permits, parking placards, and parking hang-tags purchased on an annual or semester basis will not be refunded/canceled unless student has withdrawn from the University or employee is no longer employed by the University. In these cases, refunds will be made on a pro-rated basis on a monthly scale for unused parking and/or payroll deductions will cease at separation from the University.

3. No refunds will be issued for temporary permits or payroll deducted permits.

(e) Towing and Related Charges. If a vehicle is towed from University property, the standard towing fees will be paid by the owner or user of the vehicle directly to the commercial towing companies providing services authorized at the request of the University.

(4) Operation of Vehicles. Persons who drive vehicles on campus are subject at all times to the motor vehicle laws of the State of Florida, the Regulations of Florida State University and to the ordinances of the City of Tallahassee, where applicable.

(5) Parking of Vehicles.

(a) FSU reserves the right to regulate the use of any or all parking facilities, including the right to deny or revoke vehicle parking privileges to an individual or groups of individuals and to reserve parking facilities for the exclusive use of selected and designated individuals.

(b) The responsibility of locating a legal parking space rests with the operator of the motor vehicle. Lack of space will not be considered a valid excuse or reason for violating any parking regulation.

(c) Wrecker Services. Due to the nature of the University's on and off-street parking control activities the University utilizes local wrecker services on a rotational basis.

(d) Vehicles parked in violation of the provisions of this Regulation, abandoned on campus, deemed as a safety hazard by the FSU Police Department or Environmental Health and Safety, or failing to be registered for a valid virtual permit or display a current and valid parking placard or hang-tag shall be towed away and placed in commercial or University storage. Towing and storage charges, and any appropriate University fines, will be borne by the vehicle owner and must be paid before the vehicle will be released.

(e) All parking and traffic regulations apply 24 hours a day, 7 days a week except as follows:

1. "R" parking areas are reserved for the use of vehicles registered for "R", "RP", and "E" virtual permits, or vehicles displaying placards and hang-tags that provide parking in "R" parking areas, between the hours of 7:30 AM and 4:30 PM on all class days (or as otherwise noted by signage and/or gate equipment), examination periods, semester breaks and registration periods. "V" hang-tags may utilize ungated "R" parking areas only. These areas are delineated by signs and/or red parking lines. After 4:30 PM Monday through Friday, all valid FSU virtual permits, placards, and hang-tags are honored unless otherwise noted by signage.
2. "W" parking areas are reserved for the use of vehicles registered for valid "VW" virtual permits, or vehicles displaying placards and hang-tags that provide parking in "W" parking areas, between the hours of 7:30 AM and 4:30 PM Monday through Friday. These parking areas are delineated by signs and/or white painted parking lines.
3. Shared parking areas are reserved for the use of vehicles registered for valid FSU virtual permits, or vehicles displaying placards and hang-tags that provide parking in shared parking areas, between the hours of 7:30 AM and 4:30 PM Monday through Friday. These parking areas are delineated by signs and/or alternating red and white painted parking lines.

4. Between 4:30 PM and 10:00 PM, Monday through Friday, all parked vehicles must be registered for a valid FSU virtual permit or display a valid parking credential and may park in any marked space in any unreserved parking area without regard to permit designation and may park in hourly parking spaces provided applicable fee has been paid. Reserved and disabled parking regulations are still enforced.

5. Between 10:00 PM Friday and 11:59 PM, Sunday, no virtual permit or valid parking credential is required to park in any marked space in any unreserved parking area. Hourly spaces may be used without charge. Reserved and disabled parking regulations are still enforced.

~~5. Between 10:00 PM and 7:30 AM, Monday through Friday and all day on weekends, no virtual permit or valid parking credential is required to park in any marked space in any unreserved parking area. Hourly spaces may be used without charge. Reserved and disabled parking regulations are still enforced.~~

(f) General disabled spaces are restricted 24 hours a day, 7 days a week to vehicles bearing valid State disabled parking permits as provided in section (2)(a)6 of this Regulation, or temporary disabled parking permit as provided in section (2)(f)11.

(g) General disabled spaces may be designated as time limited. The time limitation will be posted on the sign. Vehicles parked in the time limited disabled space for longer than the maximum time are subject to the issuance of a fine code (01) citation. Accessible spaces in gated lots shall be designated for faculty, staff or student affiliates whose vehicle is properly registered to a valid FSU virtual permit and valid Department of Motor Vehicle Disabled Parking Permit. Vehicles without a valid FSU virtual permit are not authorized to park in the restricted disabled spaces.

(h) Spaces reserved for individuals, University/State vehicles or specific University facilities are restricted 24 hours per day, 7 days a week, unless otherwise posted.

(i) Motorcycle, moped, or motor scooter spaces are restricted to motorcycles, mopeds or motor scooters 24 hours per day, 7 days a week. Motorcycles, mopeds, or motor scooters may park in hourly spaces as long as all fees are appropriately paid. Motorcycles may not park in non-hourly automobile spaces and may not park in any gated lot or facility.

(6) Fine Structure.

(a) The following practices are specifically prohibited. The fine for each infraction shall be as follows:

1. Parking illegally on University property to include but not limited to: parking without a valid virtual permit, parking placard, or parking hang-tag in restricted lots; parking multiple vehicles on campus that are assigned to a single virtual permit; back-in parking without authorization; back-in parking in a campus parking garage or parking lot with angled parking; parking in an access lane; blocking access to spaces, lots, facilities, drive aisles, or streets; parking without the appropriate virtual permit, parking placard, or parking hang-tag for the space, lot, or facility used; obstructed license plate; virtual permit vehicle information entered incorrectly; improper parking in a loading zone; parking on lawns, landscape or sidewalks; parking in a "No Parking" or non-designated parking area; overtime parking in hourly spaces or time limited spaces -- fine code 01. The fee assessed for this violation: \$30.00.

2. Boot Fee. Administrative charge for vehicle that is immobilized for unpaid parking citations. Citation is placed on identified vehicle and the payment must be paid with other outstanding citations before the boot is removed from the vehicle. Fine code 02 violation. The fee assessed for this violation: \$50.00.

3. Parking in a fire lane or any area designated and marked as a fire lane -- fine code 03. The fee assessed for this violation: \$100.00.

4. Parking in a disabled space without authorization, blocking disabled spaces or access aisles, or with a disabled permit being used fraudulently -- fine code 04. The fee assessed for this violation: \$250.00.

5. False registration. Falsification of proof of status to obtain an FSU virtual permit, motorcycle permit, parking placard, or parking hang-tag or purchase of a virtual permit, motorcycle permit, parking placard, or parking hang-tag by an authorized individual for use by or resale to an unauthorized individual. Failure to provide correct vehicle information within seven working days. Use of a parking permit, placard, or hang-tag listed as stolen or lost. Use of an altered or forged parking permit, placard, or hang-tag. Misuse and fraudulent use of a virtual permit, motorcycle permit, parking placard, or parking hang-tag or unauthorized use or possession of a gate opening device -- fine code 05. The fee assessed for this violation: \$100.00.

6. Parking in a designated reserved space, reserved lot/facility, or ~~bagged~~ hourly space -- fine code 06. The fee assessed for this violation: \$100.00.

7. Parking in designated bus loading zone during operating hours -- fine code 07. The fee assessed for this violation: \$100.00

(b) Late Fee. A \$10.00 late fee is assessed on all parking citations that are unpaid or uncontested after thirty (30) calendar days from issuance.

(7) Disposition of University Parking Citations.

(a) Uncontested. Persons wishing to pay the fine for any University Parking Citation shall do so at Student Financial Services or designated point of payment, in accordance with the schedule of fines.



(b) Contested. Any person wishing to contest a University Parking Citation shall proceed as follows:

1. Notice. Such person shall, within 30 calendar days from the date on which the citation was issued, file a written notice of election to contest the citation with the Office of Transportation and Parking Services.

2. The Florida State University Parking Violations Appeal Form, identified as FSU Form No. MP-03, Eff. 8-89, and the instructions contained therein are adopted by reference. Copies of the form may be obtained from the Florida State University Office of Transportation and Parking Services, Tallahassee, Florida.

3. Disposition by Director. The Director or designee shall review timely received written appeals or completed Form MP-03, and as soon thereafter as practicable, issue a written finding that the person charged is either in violation or not in violation of the University parking Regulation designated on the citation. Any person found to be in violation shall within 14 calendar days of issuance of the Director's written findings, either pay the applicable fine or give notice of his or her intent to seek review by the Transportation Violations Appeals Board. Such notice shall be given by completing a Transportation Violations Appeals Board Form MP-01 and filing it with the Board Coordinator. At the time of filing Form MP-01, if applicant wishes to have the issuing officer present at the Appeal Board hearing they must specifically indicate this request on Form MP-01. This is the only time the request can be made.

4. The Florida State University Transportation Violations Appeal Board Form, identified as FSU Form No. MP-01, Eff. 8-89, and the instructions contained therein are adopted by reference. Copies of the form may be obtained from the Florida State University Office of Transportation and Parking Services, Tallahassee, Florida.

5. Transportation Violations Appeals Board. Any person for whom an appearance before the Board has been scheduled may appear personally, or submit a written presentation, or both. Any person making a written submission only, must submit it to the Board Coordinator at least

1 working day prior to the date on which the appearance is scheduled. A person appearing in person before the Board desiring to have the presence of the issuing officer at the hearing must request the presence of the officer at the time of scheduling the date and time of hearing. This request will be indicated on the filed Form MP-01. If an individual indicates a desire to appear personally, the Coordinator will schedule an appearance and give the person written notice of the date, time, and place thereof. A person appearing in person before the Board may also introduce witnesses but shall be responsible for securing the presence of such witnesses. In any appearance before the Board, whether in person or in writing, a person may raise any matter relevant to the Board's decision. Any person who is unable to appear personally at the time scheduled, but wishes to do so, can reschedule an appearance by contacting the Board Coordinator at least 3 working days prior to the originally scheduled appearance and showing good cause why the appearance should be rescheduled. The Board shall have the authority to continue any person's appearance to a subsequent date, time, and place, whenever the Board Chairperson determines that such a continuance is necessary to dispose of the matter. The Appellant may only cancel and have rescheduled one Board

hearing. After one such cancellation the Board will proceed with the rescheduled hearing and in the absence of the Appellant, will consider the Appellant's completed Transportation Violations Appeal Form MP-03 as the Appellant's appeal presentation. After the conclusion of a proceeding before the Board, the Board shall issue in writing its decision to either affirm the

Director's findings, affirm the Director's decision and reduce the fine, or reverse the Director's decision and dismiss the citation. The decision of the Board shall be final. The proper initiation of a proceeding to contest a citation shall serve to suspend the 14-working day deadline for timely payment of fines for the period that the proceeding is pending.

(c) Automatic Adjudication. All persons are subject to an automatic adjudication of guilt for failure to respond to a citation within 30 calendar days following the violation. In such case, the appropriate fine, plus an additional penalty, shall be imposed. Any person who is automatically adjudicated guilty may appeal in writing to the Transportation Violations Appeals Board for waiver of the automatic adjudication of guilt and the additional penalty. This appeal must be made within 180 calendar days from the date of the issuance of the citation. If the Board determines that there are extenuating circumstances justifying a waiver, the individual shall be given the prerogative of appealing the citation itself to the Board.

(d) Confidentiality. In any case in which a student is the alleged violator, the records of proceedings before the Director and the Board shall be disclosed only in accord with Sections 1002.22 and 1006.52, Florida Statutes.

(e) Non-Compliance, Sanctions. In addition to the obligation to pay the appropriate fine and penalty, the following additional actions shall be taken, and sanctions imposed in the following circumstances:

1. In the case of a person who fails to either pay the applicable fine or give notice of his or her election to contest a University Parking Citation, within 30 calendar days of the date of issuance of such citation; or who fails to pay the applicable fine within 30 calendar days of the date of issuance of written decision of the Transportation Violations Appeals Board, affirming the individual's adjudication of violation, the Director of Transportation and Parking Services is authorized to revoke, suspend, or restrict the on-campus driving and parking privileges of such

individual and take such further action as necessary to enforce the revocation or restriction of privileges and shall cause the matter to be referred as appropriate to the University Controller, the Dean of Students or the University Personnel Relations Department, or some combination thereof, for further action.

2. All matters so referred to the University Controller shall be deemed to be accounts receivable and the Controller shall take the necessary action to collect such debts. In the case of students, such necessary action shall include: refusal of permission for such students to register and withholding of transcripts and diplomas from such students until the debt has been paid. In the case of employees such necessary action shall include: involuntary payroll deductions, pursuant to Regulation FSU-2.022, F.A.C., until the debt has been paid.

3. All matters involving faculty employees shall be referred to the Office of the Dean of the Faculties for appropriate action taken in accordance with applicable provisions of the Florida Statutes, University Regulations governing faculty employment, and any applicable faculty collective bargaining agreement. All matters involving non-faculty employees shall be referred to the Assistant Vice-President and Chief Human Resources Officer or designee for appropriate action taken in accordance with applicable provisions of Florida Statutes, Regulation FSU-4.070, and any applicable collective bargaining agreement.

4. Following revocation, suspension or restriction of on-campus driving and parking privileges, the Director shall lift said revocation, suspension or restriction once the applicable fines, charges, and penalties have been paid and all other requirements for registration have been met.

5. Either the Director of Transportation and Parking Services or the Parking Violations Appeals Board, shall, for good cause shown, provide for a longer period of time in which to pay the applicable fine. Good cause shall include, but not be limited to: (1) compelling personal or

family financial obligations or inability to pay; or (2) percent of fine in relation to an individual's available income exceeds 25%. In such cases, no further sanction or penalty as described herein shall be imposed on account of the outstanding fine, until such time period has elapsed without full payment being made.

6. Immobilization; "Booting". A motor vehicle parked upon the University campus may, at any time, by or under the direction of an officer or staff member of the Department of Public Safety or an employee of the Office of Transportation and Parking Services, be immobilized in such a manner as to prevent its operation. A vehicle will be considered "bootable" in accordance with due process and based on a citation history, when 3 or more parking citations are outstanding against a responsible individual or if pending parking citations total \$90.00 or more.

a. Upon immobilization of such motor vehicle, the officer or employee shall cause to be placed on such vehicle, in a conspicuous manner, sufficient notice to warn any individual that such vehicle has been immobilized and that any attempt to move such vehicle might result in damage to the vehicle and is grounds for criminal charges for grand theft.

b. The individual responsible for the vehicle shall have the right to a probable cause hearing before the chairperson of the Transportation Violations Appeals Board or his or her designee, provided such a hearing is requested within 15 calendar days from the date the notice of immobilization is received. The purpose of the hearing is to determine if there is probable cause for continued detention of the vehicle. No hearing will be held unless requested in writing by the individual responsible for the vehicle or his or her agent at the Office of Transportation and Parking Services. The hearing shall be held within 72 hours from receipt of said written request, and the decision shall be issued in writing within 24 hours from the close of the hearing. In lieu of the probable cause hearing, or pending such hearing, where probable

cause is found at such hearing, the individual responsible for the vehicle or his or her agent may obtain release of the vehicle by depositing security in the amount of immobilization charges and all delinquent fines and penalties to the Director of Transportation and Parking Services, or his/her designee.

c. If the chairperson or his or her designee finds probable cause to immobilize a vehicle, upon request of the individual responsible for the motor vehicle, a date shall be set for full evidentiary hearing before the Transportation Violations Appeals Board. Pending this hearing, the vehicle may be released as provided in (6) (b) above.

d. If no probable cause is found to impound a motor vehicle, it shall be released without requiring the individual responsible for the vehicle to pay the administrative charge for immobilization. If the motor vehicle was previously released upon payment of security, such payment shall be refunded.

e. Failure to request a probable cause hearing within 15 calendar days from the date of the notice of impoundment is received constitutes a waiver of said hearing and the vehicle shall be released only upon payment of the impoundment charges and delinquent fines or penalties.

f. The immobilization device or mechanism shall remain in place for 48 hours, unless the individual responsible for the vehicle has complied with subsection (b) above. If such compliance has not occurred within 48 hours, the vehicle shall be towed and impounded. This subsection does not preclude the towing in the first instance of the vehicle which, because of the number of outstanding parking citations against it, is subject to towing and impoundment pursuant to the other provisions of this Regulation.

Specific Authority Specific Authority: Art. IX, Sec 7, Florida Constitution, , Florida Board of Governors Regulations 1.001(3)(j), (7)(k), 7.003(9), (10), Florida Board of Governors Regulation Procedure, 7-21-07, Law Implemented 1006.66, 1009.24(14)(r), FS History--New 9-30-75, Amended 3-2-77, 8-28-79, 8-12-85, 4-16-86, Formerly 6C2-2.09, Amended 7-14-87, 8-1-88, 8-1-89, 4-24-90, 11-4-91, 8-17-92, 9-27-93, 12-14-93, 10-28-94, 9-17-95, 8-25-98, 7-20-99, 8-17-00, 8-3-05, 6-9-06, 2-11-2007, 6-13-2008, 6-25-2010, 9-9-2011, 6-7-2013, 10-9-2015, 6-7-2019, 8-13-2020, 6-22-2022, \_\_\_\_\_



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM V



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

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**CONSENT ITEM V**

**Thursday, June 20, 2024**

**SUBJECT: FSU-2.007 Use of Campus Land and Facilities**

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**PROPOSED BOARD ACTION**

Approve the proposed amendment to FSU-2.007 Use of Campus Land and Facilities

**AUTHORITY FOR BOARD OF TRUSTEES ACTION**

BOG Regulation 1.001(7) grant the Board of Trustees authority over use of university lands and facilities. BOG Regulation 1.001(3)(j) and the BOG Regulation Procedure allow the Board of Trustees to enforce its authority by Regulation in this manner.

**BACKGROUND INFORMATION**

The proposed amendment would make the following significant changes to the Regulation:

- replaces recognized student organizations with registered student organizations;
- for outdoor areas, adds Langford Green to student affairs areas and removes it from University Relations; adds Hawkins Field to Campus Recreation Areas and removes Marching Chiefs Practice Field from College of Music;
- extends definition of camping to use of tents at any time or bedding and hammocks after sundown
- adds list of prohibited conduct on campus
- adds list of time, place and manner restrictions

**ADDITIONAL BOARD CONSIDERATIONS**

Florida Board of Governors approval is not required.

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**Supporting Documentation Included:** Regulation Amendment Text



**Submitted by:** Dr. Richard D. McCullough, President, Florida State University

## **FSU-2.007 Use of University Lands and Facilities.**

(1) Introduction. The Florida State University is a public institution. This regulation sets forth the guidelines for use of University facilities for events other than the normal University functions of teaching, research, service and administration. Use of ~~campus~~ facilities is administered by various ~~University~~ units; however, final authority for use of all campus facilities lies with the President or designee.

(2) Scope. University space, including University lands and facilities, will be used first for the official and regular purposes and functions of the University. The University may extend the use of specified space to members of the University community or to the general public subject to the provisions outlined within this regulation. This regulation shall be interpreted and implemented in a manner consistent with the First Amendment to the United States Constitution, Art. I of the State Constitution, and the Campus Free Expression Act, section 1004.097, F.S. Nothing in this regulation is intended to or shall be used to prohibit free expression based on viewpoint, or to prohibit spontaneous expressive activity in outdoor areas of campus subject to this regulation and other reasonable time, place, and manner restrictions.

(3) Definitions.

(a) "University Persons, Groups and Organizations." University persons, groups and organizations are defined as one of the following: individual members of the University community (students, faculty, and employees acting in an official University capacity); all Student Government Association (SGA) entities; student organizations officially registered with ~~recognized by~~ the University; officially constituted colleges, schools, divisions, departments, agencies; and the University Board of Trustees or other corporate organizational units which are a part of, or operate on behalf of, the University, such as Direct Support Organizations, (DSO's).

(b) "University Related Groups and Organizations." Groups and organizations not officially registered ~~recognized by~~ or affiliated with the University, or otherwise failing to meet the definition in paragraph (a) above, but which are related to the University because of the promotion of interests of the University community, the academic professions, and other related interests of the faculty, staff, or students, or which perform other service to the University and its community, such as credit unions, academic professional associations and fraternities, employee organizations, charitable community organizations, other public educational institutions, and the like.

(c) "Non-University Persons, Groups and Organizations." Persons, groups or organizations which do not meet the definitions of persons, groups, or organizations as defined in paragraph (a) or (b) above, including those groups and organizations which exist primarily for the purpose of carrying on commercial activity for profit, or which otherwise exist primarily for private individual gain or benefit.

(d) "Private Events." A private event held on the University campus that is open to attendance only by members and invited guests of the host organization or person.

(e) "Public Events." A public event held on the University campus that is open to attendance by

all members of the University community and/or to the general public in accordance with the provisions of this regulation.

(f) "Continuing Education Programs." Continuing Education programs are those conferences, meetings, and other events registered with the Center for Professional Development & Public Services that have as their purpose the providing of instructional, training, and other educational programs to persons outside the University community. For regulation(s) pertaining to continuing education programs and events registered with the Center for Academic and Professional Development, refer to Regulation FSU-5.090, Center for Professional Development and Public Service.

(g) "Outdoor Areas of Campus." Outdoor areas of the campus are classified as follows and are subject to use in accordance with this regulation:

1. Academic areas. Outdoor areas immediately adjacent to classrooms, libraries, laboratories, auditoria, and research facilities.
  2. Student Affairs Areas. ~~The Student Oglesby Union,~~ Student Services Building, Askew Student Life Center, and Health and Wellness Center areas. Outdoor areas immediately adjacent to these facilities, as well as Woodward Street Plaza, Langford Green, and Landis Green.
  3. Residential areas. Outdoor areas immediately adjacent to residence halls on the University campus.
  4. Campus Recreation areas. Outdoor areas of campus under the purview of Campus Recreation including the Lakefront Property ~~Seminole Reservation,~~ Main Campus Intramural Fields, Recreation Sportsplex, Harkins Field, and Westside Courts.
  5. University Relations areas. Outdoor areas of campus under the purview of University Relations including ~~Langford Green,~~ areas immediately adjacent to the Westcott Building including Westcott Plaza, and Mina Jo Powell Green.
  6. Athletics areas. Outdoor areas of campus under the purview of Athletics including Doak S. Campbell Stadium, Dick Howser Baseball Stadium, the Seminole Soccer Complex, the JoAnne Graf Softball Stadium, Speicher Tennis Complex, Mike Long Track, Basketball Facility, Morcom Aquatic Center, Sand Volleyball Courts, Sportsmanship Plaza (Gate G), University Center Gates Plaza (Gate K) and sports practice areas established for special uses. The Seminole Legacy Golf Club Golf Course is under the purview of the Business Services Office.
  7. College of Music. Outdoor areas of campus under the purview of the College of Music including the Owen Sellars Amphitheatre, ~~and the Marching Chiefs Practice Field.~~
  8. Donald L. Tucker Center. Outdoor areas of campus immediately surrounding and under the purview of the Tucker Center.
  9. Panama City Campus. Outdoor areas of campus under the purview of the Office of Finance and Administration in Panama City.
  10. Other areas of the campus established for special uses or purposes not otherwise designated in this section. The scheduling or use of these areas for meetings or events contemplated by this regulation shall be through the President's office, depending on entity assigned responsibility and control.
- (h). "Camping". Camping is defined as use of a vehicle other than as for authorized transportation or work, tent, or other shelter at any time, and/or bedding or hammocks after sundown. ~~with the intent to stay overnight.~~

#### (4) Scheduling of Facilities and Outdoor Areas of Campus

(a) The following facilities and outdoor areas of campus are subject to this regulation. Scheduling of facilities and outdoor areas of campus is subject to oversight and policies determined by the following University units:

1. Academic areas. Non-academic use of these facilities and outdoor areas are requested through the space reservation office ~~Guest Services and Public Functions Office~~ in the Student Oglesby Union subject to approval by the University Registrar or designee.
2. The Student Oglesby Union, Student Services Building and the Askew Student Life Center areas. The scheduling of events or meetings in these facilities and outdoor areas is through the space reservation office ~~Guest Services and Public Functions Office~~ in the Student Oglesby Union.
3. Residential areas. The scheduling of meetings or events in these facilities and outdoor areas is scheduled through the Executive Director of University Housing Office or designee.
4. Campus Recreation areas. Facilities and outdoor areas are scheduled through the Director of Campus Recreation or designee.
5. University Relations areas. Facilities, including Miller Hall, Board Room UCC 5301, Beth Moor Lounge, and outdoor areas are scheduled through the Vice President of University Relations or designee.
6. Athletics areas. Facilities and outdoor areas are scheduled through the Director of Athletics or designee.
7. College of Music. Facilities and outdoor areas are scheduled through the Dean of the College of Music or designee.
8. Center for Global Engagement. Facilities are scheduled through the Director of Center for Global Engagement or designee.
9. Dunlap Student Success Center. Facilities are scheduled through the Assistant Vice President of Career Services ~~Director of Dunlap Student Success Center (Center for Civic Education and Service and Career Center)~~ or designee.
10. Center for Professional Development. Facilities are scheduled through the Director of the Center for Professional Development or designee.
11. Donald L. Tucker Center. Facilities and outdoor areas are scheduled through the Director of the Center or designee.
12. Campus Dining and Business Services facilities are scheduled through the Director of Business Services or designee.
13. Panama City ~~c~~Campus facilities and outdoor spaces are scheduled through the Director of Finance and Administration for the Panama City campus, or ~~his or her~~ designee, in consultation with the Dean.
14. Other areas of the campus established for special uses or purposes. The scheduling or use of these facilities for meetings or events contemplated by this regulation shall be through the President's Office, depending on entity assigned responsibility and control.

(b) Outdoor areas of campus may be used on an unscheduled basis for spontaneous expressive activities, provided that:

1. The University has not reserved or restricted the use of an outdoor area for individuals or groups pursuant to this regulation or for other official University purposes;

2. The unscheduled use of the outdoor area does not materially and substantially disrupt the functioning of the University or the expressive rights of other individuals or groups; and
3. The use of the outdoor area is otherwise in compliance with applicable laws, University regulations, and other reasonable time, place, and manner restrictions.

(c) Expressive activities in outdoor areas that have been reserved by the University or another individual, group, or organization for use through established University procedures are subject to removal or relocation under the parameters of this regulation. Additionally, no individual or group may claim exclusive use of any area without prior approval through the applicable event permitting processes.

(d) Requests for space by University and University Related Persons, Groups, and Organizations must be made per any policies set by the respective ~~University~~ units which oversee scheduling as outlined in this regulation. Said University unit policies must be consistent with this regulation.

~~(e)~~ Requests by Non-university persons, groups, or organizations requests for use of facilities or outdoor areas must be made per the policies set by the respective ~~University~~ unit which oversees scheduling as outlined in this regulation at least fourteen days in advance of the event. Requests for any continuing or permanent use of University facilities by a non-university user, for a certain time each day, or a certain day of the week for a number of weeks, shall not be permitted under this regulation.

(f) Meetings or activities scheduled in accordance with this regulation that contemplate the charging of admission or other fees shall be subject to policies as approved by the University President or designee.

~~(g)~~ All instructional space of the University, including seminar rooms, classrooms, laboratories, other research facilities, teaching auditoria, and libraries, is considered academic space and is under the assignment and control of the University Registrar. Any non-academic use of such facilities under this regulation shall be on a space-available basis. Requests for said space shall be made through the space reservation office of the Student ~~Oglesby Union Guest Services Office~~ subject to approval of the University Registrar.

(5) Facilities and Space Use other than for Official University Purposes by Category of User.

(a) Priority for Use of University Facilities.

1. Priority for the use of University facilities shall be awarded in the following order:

- a. University persons, groups, and organizations.
- b. University Related persons, groups, and organizations.
- c. Non-University persons, groups, and organizations.

2. When in the best interest of the University, such as the unforeseen need of facilities for major athletic events, priority of use may be reassigned with the approval of the President or designee.

(b) Use of University Facilities by University Persons, Groups, and Organizations.

1. University persons, groups, and organizations may use University facilities for the purpose of hosting events. A license agreement to secure use of facilities for private events may be issued by the space reservation office ~~Public Functions Office~~ in the Student ~~Oglesby Union-Guest Services~~. Events may be subject to the registration requirements of the respective ~~University~~ units outlined in (4), which include rental payment, certificate of insurance, security, and other

registration requirements when deemed necessary by the University for the protection of the facility and the group participants and in the best legal and financial interest of the University.

2. Within the provisions of this section, private events shall not be accorded priority over public events. Any priority will be determined at the time of the scheduling of the event.

3. No University person, ~~, or organization, or group~~ shall sponsor an event, for any Non-University person, group, or organization for the commercial or private benefit of said non-University person, group or organization that has not sought and received permission on its own to use University facilities.

(c) Use of University Facilities by University Related Persons, Groups, or Organizations.

1. University Related persons, groups or organizations may use University facilities subject to the following conditions:

a. All use of University facilities by University related persons, groups, or organizations shall be conditional upon the execution of a written agreement between the University and the individual, group, or organization desiring to use the facilities. Said agreement shall provide for, but is not limited to the following, that such individual, group, or organization:

i. Shall pay to the University the established rental fee as provided in (4)(d) plus any additional out-of-pocket costs incurred by the University or the state in the scheduling and holding of the activity, including but not limited to security, parking, and physical services.

ii. Shall supervise the event and accept full responsibility for any loss and/or damage to University facilities and/or equipment and shall hold the University harmless from any claims arising from any personal injuries in the use of the premises.

iii. Shall be responsible for reporting and paying all applicable Federal and State taxes.

iv. Shall assume all responsibility for the promotion and advertising of the meeting or event utilizing the University's ~~p~~Policy for ~~p~~Posting, ~~p~~Promotions, ~~a~~Advertising, ~~c~~Chalking, and the ~~d~~Distribution of ~~m~~Materials ~~on FSU Campuses as adopted in Regulation FSU-2.0131.~~

v. ~~The University's name and/or symbols shall not be used~~ the University's name and/or symbols in connection with the promotion or holding of any event without the express, written permission of the University.

vi. Shall provide the equipment of any type required for the event unless otherwise agreed to between the University and the individual, group, or organization. ~~The University's name and/or symbols shall not be used in connection with the promotion or holding of any event without the express, written permission of the University.~~

vii. Shall provide evidence of insurance required for the event as determined by the University Environmental Health and Safety department.

(d) Use of University facilities by Non-University Persons, Groups, and Organizations.

1. Use of University Facilities by Non-University Persons, Groups, and Organizations. Generally, groups in this category will not enjoy the use of campus facilities. However, it is possible that special conditions might permit the use of University facilities by some organizations in this group, such as educational programs that may be attended by members of corporate organizations.

2. Non-University persons, groups or organizations who are permitted use of University facilities shall use University facilities subject to the conditions outlined in (5) (c.):

(6) General Conditions Applicable to All Uses of University Areas and Campus Facilities.

(a) All uses of the University areas and facilities in accordance with this regulation are subject to the laws of the State of Florida and the rules, regulations, and policies of the Board of Trustees and the Florida State University and other applicable laws and rules.

(b) The University reserves the right to reasonably determine the time, place, and manner of all events held in University areas and facilities subject to this regulation as outlined in section (8) of this regulation.

(c) The use of public address systems or other electrical amplification equipment in outdoor areas of campus is subject to approval by the Director of the ~~Student~~<sup>Gay, Lesbian, and</sup> Union or designee, or the Chief of Police or designee. Approval will be granted when it is necessary that such equipment be utilized in the meeting or event and when the use of such equipment does not interfere with the academic processes or activities of the University or with other previously scheduled events or campus activities. All such use of public address systems or other amplification equipment is subject to the other provisions of this regulation and shall maintain a reasonable sound level which meets the communication needs of the event without excessive noise penetration to adjacent areas.

(d) All users of University areas and facilities shall take adequate precautions to avoid endangering the safety of persons in the area of the facilities used.

(e) The Florida State University does not allow the use of its facilities by groups or organizations whose practices may impact the health or safety of any individual or property. ~~are in conflict with the University's Non-Discrimination Policy.~~

(f) Cooperative arrangements with State Agencies for the use of University Facilities shall be permitted under this regulation.

(g) All persons, groups, and organizations must adhere to the University's policy on the use of alcoholic beverages at events, Regulation FSU-6.012 and the University's policy for posting, promotions, advertising, chalking, and the distribution of materials in Posting Regulation FSU-2.0131.

(h) Persons, groups, and organizations using a University facility or outdoor area shall clearly state the identity of the sponsoring group in its request, signage at the event, and in news releases, placards, tickets, etc.

(i) Use of University Facilities by Private Individuals and Commercial Organizations. University space shall not be provided for private individuals or commercial organizations except when specifically determined by the University that such use is in the best interest of the University and not in conflict with other University uses.

(j) Use of University Facilities for Political Campaign Events. It is recognized that the University, as a state educational institution, has an obligation to assist political organizations to inform the faculty and student body of the issues in primary and general elections. Therefore, all political campaign events shall be limited to meetings or events sponsored by ~~recognized~~ affiliated or registered with the University and consistent with applicable laws, regulations and rules. Costs associated with the use of university facilities for campaign events shall be the responsibility of the sponsoring organization or political campaign.

(k) Individuals or groups who occupy university facilities or outdoor areas of campus are responsible for removing all equipment and debris following use of the space. Individuals or groups may be held financially responsible for the university's cost for removal of any debris or

equipment or any other damage to university property.

(7). Use of Campus Lands; Tents, Shelters, Camping.

(a) Tents, shelters, or other temporary structures are prohibited on lands of the Florida State University campus except when used in connection with activities of academic or administrative units of the University, or as otherwise approved pursuant to this subsection.

(b) Tents, shelters, or temporary structures ~~Tents or other temporary structures~~ may be erected on University property by academic or administrative units only for activities directly related to the mission of the unit and only after first obtaining written approval of the Vice President for Finance and Administration or designee, who shall consider time period, space, traffic, and other safety and aesthetic factors.

(c) Student Government and registered ~~recognized~~ student organizations may secure approval for use of tents, shelters, or temporary structures for activities described above by request to the Vice President for Finance and Administration or designee, who shall consider time period, space, traffic, and other safety and aesthetic factors.

(d) Camping is prohibited on lands of the Florida State University campus except when such camping is in connection with an official activity of the University, such as an activity of an academic or administrative unit. Prior written approval for such camping must be granted by the Vice President for Finance and Administration or designee taking into consideration time period, space, traffic, and other safety and aesthetic factors, along with the health, safety and welfare of the participants, the University community, and guests of the University. However, the Florida State University Chief of Police may authorize the use of vehicles, mobile homes, camping trailers, gazebos, tarps and similar structures in pre-designated areas in conjunction with or furtherance of an official one- day university event.

(8) Prohibited Conduct

The University prohibits any person from interfering with university and authorized functions, activities, and events and from participating in unlawful conduct. As such, no person may engage in the following:

(a) Obstruct or impede vehicular, bicycle, pedestrian, or other traffic;

(b) Obstruct any entrance or exit to any building, assembly space, driveway, parking lot, vehicular path, stairway or walkway or impede entry to or exit from any such area;

(c) Build or construct any shelter, barrier, or other physical structure.

(d) Camping as defined in this regulation.

(e) Disrupt, disturb, or interfere with educational or administrative activities, events, or operations inside or outside any building;

(f) Enter into any building or facility or occupy any university building without appropriate authorization;

(g) Violate any applicable federal, state, or local law, rule, or ordinance;

(h) Fail to comply with any reasonable instruction by university policy or any University official action in the performance of their duty;

(i) Cause any threat to the health or safety of any passerby or member of the University community;



- (j) Engage in harassing conduct as defined in the Student Conduct Code, regulation 3.004 which includes any gesture, written, verbal, or physical act or any electronic communication that places a person in reasonable fear of harm to their person or damage to their property, infringes upon rights of personal privacy, has the effect of substantially interfering with a reasonable person's academic performance or ability to participate in opportunities or benefits provided by the University, or has the effect of substantially interfering with the orderly operation of the University.
- (k) Obstruct, disrupt, or attempt by physical force to cancel or discontinue speech by any speaker, or the observation of speech by any person intending to see or hear a speaker;
- (l) Damage University property, including but not limited to structures, grass, shrubs, trees, fountains, or other landscaping;
- (m) Mark university property, including any vertical or horizontal surface, other than in accordance with regulation 2.0131.
- (n) Use amplified sound, including but not limited to bullhorns, airhorns, and noise-making devices or instruments, except as approved in advance under applicable policy and within sound limits that will not disrupt University operations;
- (o) Wear any mask, hood, or device whereby any portion of the face is so hidden, concealed, or covered as to conceal the identity of the wearer.
- (p) Conduct that is in violation of the lawful time, place, and manner restrictions in this regulation.
- (q) Any inflammatory speech that is directed to inciting or producing imminent lawless action, and is likely to incite or produce such action. d

#### (9) Time, Place and Manner Restrictions

Time, place, and manner restrictions are content-neutral limitations that serve the University interest to ensure the health, safety, and rights of all members of the University community.

(a) No person, while participating in any meeting, assembly, picketing activity, demonstration, protest or gathering shall carry or possess any of the following:

1. Signs exceeding the size restriction of 24" by 36". Only signs constructed of foam, cardboard, or paper shall be permitted to be carried. Signs may be mounted on sticks or posts provided that the sticks or posts are constructed of wood, foam, or plastic and their dimensions do not exceed one-half inch in diameter (if round in shape) or one-fourth inch thick by two inches wide (if rectangular in shape).
2. Unmanned signs, banners, or flags. All signs, banners, or flags must be in the possession of persons at all times, and any unmanned signs, banners or flags will be collected.
3. Signs, banners, flags, or displays that infer university endorsement either by content or location.
4. Weapons or firearms as defined by FL Statute 790.001.
5. Mace or pepper spray unless for the purpose of personal protection.
6. Bats or other club-like objects.
7. Face shields, gas masks, hand-held shields, or helmets.
- of violations of University regulations or policies, or other applicable laws or ordinances.
8. Flammable liquid.

9. Torches or other open flames, except as authorized by University officials.  
10. Wagons, carts, or ladders, except as authorized by University officials, or other items that could be used to barricade or to push or manipulate crowds.

11. Tents, vehicles, shelters, and/or bedding as outlined in section (7) of this regulation.

12. Any other items reasonably determined by the President or designee to be a public safety hazard.

(b) Meetings, assemblies, picketing activities, demonstrations protests, and gatherings are subject to the following restrictions:

1. Public address systems and other electrical amplification equipment may be utilized for events, subject to the provisions in section (6) of this regulation. All such use of public address systems or other amplification equipment shall maintain a reasonable sound level which meets the communication needs of the event without excessive noise penetration to adjacent areas.

2. Only University or University-related events will be permitted during any final exam period, and no unapproved amplified sound will be permitted at outdoor events during any final exam period.

2. The University may place limits on the attendance of expressive activities based upon the capacity of the forum.

3. Outdoor events are only permitted between sunrise and sundown unless prior approval is granted from the University i.e. scheduled sports competitions located in properly lighted space designed for such activity and scheduled through Campus Recreation.

4. Outdoor events are not permitted to block ingress or egress to any building or pathway, stairs, landings, or other areas deemed to create a hazard to the safety of the community.

Specific Authority Board of Governors Regulations 1.001 (3) (j) and (7) (g). History–New 9-30-75, Formerly 6C2-2.07, Amended 5-11-04, 9-24-10, 1-13-2012, 3-8-2013, 9-4-2018, \_\_\_\_



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM W



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

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### CONSENT ITEM W

**Thursday, June 20, 2024**

**SUBJECT:** Emergency Regulation-FSU ER24-1 Purchasing and Procurement

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### **PROPOSED BOARD ACTION**

To approve an Emergency Regulation FSU ER24-1 amending the definition of “contractual services” in FSU-2.015 Purchasing and Procurement

### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

BOG 1.001(7) gives the Board of Trustees authority over Purchasing; BOG Regulation 1.001(3)(j) gives the Board of Trustees authority to adopt Regulation pursuant to BOG Procedure and BOG Procedure authorizes Emergency Regulations

### **BACKGROUND INFORMATION**

The current FSU Purchasing and Procurement regulation, FSU-2.015, in section (18)(g), excludes “labor or materials or selection of professional services for the construction, renovation, repair, maintenance or demolition of facilities or grounds” from the definition of “Contractual Service”. That definition was consistent with prior internal organization which has now changed. The definition may exclude FSU from access to urgently needed contractual service contracts.

### **ADDITIONAL BOARD CONSIDERATIONS**

Florida Board of Governors approval is not required.

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**Supporting Documentation Included:** (1) Proposed Emergency Notice, (2) Proposed Emergency Regulation FSU-ER24-1.

**Submitted by:** Kyle Clark, Senior Vice President for Finance & Administration

## **SUMMARY NOTICE OF PROPOSED FLORIDA STATE UNIVERSITY EMERGENCY REGULATION**

### **FSU-ER24-1 Purchasing and Procurement**

[amending current FSU-2.015 Purchasing and Procurement]

The proposed emergency regulation was approved by the Board of Trustees at its meeting on June 20, 2024, and takes effect on adoption, effective for 90 days. A more permanent parallel amendment to this regulation will be normally noticed and presented to the Board of Trustees at its next meeting, currently scheduled for September 12-13, 2024.

The current FSU regulation, FSU-2.015, in section (18)(g), excludes “labor or materials or selection of professional services for the construction, renovation, repair, maintenance or demolition of facilities or grounds” from the definition of “Contractual Service”. That definition was consistent with prior internal organization which has now changed. This change is entirely consistent with BOG 18.001 Procurement Regulation.

### **SPECIFIC REASONS FOR FINDING AN IMMEDIATE DANGER TO THE HEALTH, SAFETY OR WELFARE:**

This Emergency Regulation is necessary because the current regulation definition of “contractual services” could limit FSU access to certain favorable contractual services which are urgently needed for the welfare and essential functions of the university and to comply with certain federal mandates. These contracts may not be available under the existing definition. There is insufficient time to provide the full 30-day notice prior to the Board of Trustees June 20, 2024 meeting.

Therefore, an Emergency Regulations is needed which may be approved without prior notice but only valid for 90 days. This same proposed revision with any further needed refinement will be submitted to the Board after the normal required 30 day notice at its next meeting, currently scheduled for n September 12-13, 2024

### **REASON FOR CONCLUDING THAT THE PROCEDURE IS FAIR UNDER THE CIRCUMSTANCES:**

The required notice of this action by the Board of Trustees is provided on the official FSU Regulation webpage. Any interested or affected parties may

object to or comment on the emergency regulation and also to its subsequent more permanent and regular adoption.

**AUTHORITY FOR THE PROPOSED UNIVERSITY REGULATION:**

The authority for the proposed regulation is as follows: Florida Board of Governors Regulations 1.001(3)(j), (7) , Florida BOG Regulation Development Procedure for State University Boards of Trustees.

**UNIVERSITY OFFICIAL INITIATING THE REGULATION:** Senior Vice President for Finance and Administration

**PROCEDURE FOR PROVIDING COMMENTS ON THE PROPOSED**

**UNIVERSITY REGULATION:** Any person may submit written comments concerning the proposed regulation within 14 days of the date of this notice to:

Arthur R. Wiedinger, Jr.  
Office of General Counsel  
424 Westcott Building  
Florida State University  
Tallahassee, FL 32306-1400  
Electronic address: [awiedinger@fsu.edu](mailto:awiedinger@fsu.edu)  
850-644-8973 (fax)  
850-644-4440 (phone)

## **FSU-ER24-1 Procurement and Purchasing**

(1) Statement of Intent. It is the intent of the University to acquire quality goods and services in a cost-effective manner, within reasonable or required time frames, while promoting and maintaining fair and open competition in the public procurement process. This regulation establishes effective management oversight of the University's procurement process in order to comply with federal and state laws, rules and regulations, to reduce the appearance and opportunity for favoritism, and to preserve the integrity and reputation of the University with regard to procurement and contracting.

(2) Purpose. These regulations implement the University's delegated authority from the University Board of Trustees with respect to the powers, duties and functions of the university's procurement jurisdiction consistent with Florida Board of Governor's Regulation 18.001

(3) Application. These regulations shall apply to all expenditures of funds on deposit with Florida State University involving a purchase, regardless of their source, including federal assistance monies, except as otherwise specified herein, and may be applied to transactions that do not involve a purchase including revenue generating contracts such as food service, bookstore, or vending, when it is in the best interests of the University.

### **(4) Procurement Organization**

(a) The University Board of Trustees. By this regulation, the Board of Trustees exercises their authority to establish a system and process to coordinate procurement policies, procedures, and practices to be used in acquiring commodities and contractual services required by the University.

(b) The University President. As chief administrative officer of the University, the President has the responsibility to implement the University's procurement authority as consistent with the regulations of the Florida Board of Governors and University Board of Trustees. The President has delegated authority to

approve, execute and administer contracts for and on behalf of the University Board of Trustees for licenses; the acquisition or provision of commodities, goods, equipment and services; to acquire real property and contract for the sale and disposal of same; leases of real estate and personal property and planning and construction to be rendered to or by the University provided such contracts are within the law and the regulations, rules and policies of the Florida Board of Governors and the University Board of Trustees. The President may delegate all or any portion of such authority, which is not required by law or regulation to be exercised personally, to any employee of the University in the interest of the efficient and effective operation of the University.

(5) Delegation of Procurement Authority

(a) Duties and Powers. The Chief Procurement Officer is delegated authority to exercise the powers, duties and functions pertaining to the procurement of commodities and contractual services or which are assigned specifically to that position.

(b) The Chief Procurement Officer may delegate to the Procurement Services department staff such portions of those powers, duties and functions as deemed appropriate.

(c) Additional Procurement Delegation. Departments' delegated authority to make purchases of commodities and services for their respective area is limited to the following: Food purchased for the cafeteria at the Florida State University Schools; books and periodicals purchased by University libraries, and construction and construction related purchases by the Facilities Department. Any such purchases shall be processed by the appropriate University department in full compliance with this regulation. References in this regulation to the procurement department shall include all offices delegated procurement authority under this regulation. References in this regulation to the duties and responsibilities of the Procurement Director shall apply to the director or department head of all areas with delegated procurement authority, regardless of title, however, shall not include those powers and duties delegated and granted here to the Chief Procurement Officer,



who is head of the Procurement Services Department.

(d) Purchase of Private Attorney Services. Written approval from the Attorney General is not required for private attorney services acquired by the University; however, University General Counsel approval must be obtained.

(e) Purchase of Insurance. The University has the authority to purchase insurance as deemed necessary and appropriate for the operation and educational mission of the University. Examples of insurance coverage that may be acquired by the University include:

1. Physical damage on vehicles and boats;
2. Inland marine on property owned, leased, or loaned to or by the University;
3. Building and property damage;
4. Equipment losses due to theft;
5. Equipment subject to transportation;
6. Loss of rental income;
7. Commercial general liability insurance for scientific equipment;
8. Excess general liability coverage;

(6) Duties and Authority of the Chief Procurement Officer

(a) Canvass sources of supply, and contract for the purchase or lease of all commodities and contractual services for the University, in any manner, including, reverse auctions and purchase by installment- or lease-purchase contracts.

(b) Remove any contractor from the University's competitive solicitation or supplier list that fails to respond to one (1) or more competitive solicitations or to fulfill any of its duties specified in a contract with the University and to reinstate any such

contractor when satisfied that further instances of default will not occur. A “No Bid” or similar response is considered a response under this section.

(c) Plan and coordinating purchases, including volume purchases; and negotiating and executing agreements and contracts for commodities and contractual services for use by all University departments.

(d) Develop an Annual Certification List to serve as a waiver of the competitive solicitation requirement for commodities/services that are frequently purchased and are available from a single source.

(e) Evaluate, approve and use contracts that are entered into after a public and open competitive solicitation established by any State of Florida agency or department, the Federal Government, other states, political subdivisions, cooperatives or consortia or any independent college or university for the procurement of commodities and contractual services, when it is determined to be cost-effective and in the best interest of the University to make purchases under contracts established by such other entities. Consortia and cooperative contracts should be reviewed to identify potential savings, and, if there is the potential for savings, enter into new consortia and cooperative contracts to achieve the savings, with the goal of achieving a five-percent savings on existing contract prices. Contracts so approved are not subject to additional competitive solicitation requirements.

(f) Award contracts for commodities and contractual services to multiple suppliers, if it is determined to be in the best interest of the University. Such awards may be on a university, regional or multiple state university-wide basis and the contracts may be for multiple years.

(7) Source Selection and Contract Formation for Commodities and Contractual Services.

(a) Competitive Solicitation Required. The Procurement Director shall be responsible for ensuring that all contracts for the purchase of commodities or contractual services exceeding the maximum competitive solicitation limit established in Board of Governors Regulation 18.001, (currently \$75,000), are

awarded pursuant to a competitive solicitation, unless otherwise authorized herein or by other applicable law. The purchase of commodities and contractual services shall not be divided to avoid the requirement of competitive solicitation.

(b) Public Notice. The Procurement Director, or a designee, shall determine the method of public notice to be used in each case of a competitive solicitation based on the nature and quantity of the commodities, contractual services, or construction sought and the availability and extent of competitive solicitation lists. Posting of competitive solicitations on a Procurement Department website constitutes public advertising.

(c) Receipt of Responses. Competitive solicitation responses shall be delivered, including electronically, as directed in the competitive solicitation to the appropriate Procurement Department, or as otherwise directed in the competitive solicitation document, at or prior to the date and time specified in the competitive solicitation. Only responses that are delivered to that specific location shall be considered. It is the responder's responsibility to assure that their response is delivered at the proper time and place. If the competitive solicitation is not administered through an electronic sourcing solution, the clock in the Reception area of the Procurement Services Department is designated as the official timepiece for purposes of determining whether a response is received in Procurement Services by the appointed date and hour. Otherwise, the official timepiece is dependent upon the built-in functionality of the electronic sourcing solution. Any individual university Procurement departments with delegated procurement authority may designate an alternate timepiece.

1. Prior to the time a competitive solicitation response is opened, the Procurement Director, or a designee, may change or correct the terms, conditions or specifications by issuing an addendum to all known recipients of the competitive solicitation.

2. A responder to a competitive solicitation may withdraw or correct a response prior to the time that the competitive solicitation response is opened. Any

alteration or correction to a response must be in writing and signed or approved electronically, by an authorized representative of the firm who signed the original response.

3. The Procurement Director, or a designee, will permit the withdrawal of a competitive solicitation response for good cause if requested in writing within seventy-two (72) hours of the competitive solicitation response opening and prior to final award of the purchase order being issued. Good cause shall include illegality, impossibility of performance, or a clear and inadvertent error in the response preparation, but shall not include a responder's lack of profitability or financial loss resulting from the competitive solicitation. Neither modification nor withdrawal will be permitted at any time if the result of such action is prejudicial to the fairness of the competitive procurement process or a monetary or educational interest of the University.

(d) Competitive Solicitation Evaluation. Responses to a competitive solicitation shall be evaluated based on the requirements set forth in the competitive solicitation. The requirements of the competitive solicitation include but are not limited to criteria such as price, inspection, samples, quality, testing, workmanship, convenience, experience, delivery and suitability for a particular purpose. Those criteria that affect the price shall be objectively measured to the extent practicable. In cases where more than one commodity or contractual service is listed on a response to a competitive solicitation, the University is not required to consider all alternates or options, nor do they have to be considered in sequence.

(e) Right to Reject Competitive Solicitation Responses and Waive Minor Irregularities. The University reserves the right to reject any and all responses to a competitive solicitation. The University also reserves the right to waive minor irregularities in an otherwise valid response. A minor irregularity is a variation from the competitive solicitation terms and conditions, which does not affect the price offered, or give the responder an advantage or benefit not enjoyed by other responders or does not adversely impact the business or educational interests of the University. The University shall correct mistakes clearly evident on the face of a response, such as an error in arithmetic or extension of pricing. In the

case of extension errors, calculations based upon multiples of the unit price, the unit price shall prevail.

(f) Receipt of Fewer Than Two Responsive Offers to a Competitive Solicitation. When fewer than two responsive offers are received in response to a competitive solicitation exceeding the competitive solicitation threshold, the Procurement Director, or a designee, shall review the circumstances surrounding the solicitation to determine if a second call for a competitive solicitation is in the best interest of the University. If it is determined that a second competitive solicitation is not in the best interests of the University, the University may proceed with the acquisition based on the one responsive offer received or may proceed to negotiate with any other possible source including the sole responder.

(g) Preferences for Florida-Based Suppliers.

1. Preferences for Personal Property. When a University awards a contract to purchase personal property, other than printing, by competitive solicitation a preference shall be provided to suppliers with a principal place of business in Florida ("Resident Suppliers") as follows:

a. If the responsible and responsive supplier who submits the lowest bid, the most advantageous proposal, or the best value and is one whose principal place of business is outside of Florida and whose state or political subdivision grants a preference for the same purchase to a local supplier then the University shall grant that same preference to the lowest or best responsible and responsive Resident Supplier.

b. With respect to Invitations to Bid, if the lowest responsible and responsive bid is from a supplier whose principal place of business is in a state that does not grant a preference for the purchase to a supplier in such state, then the University shall grant a preference in the amount of five percent (5%) to the lowest responsible and responsive Resident Supplier.

c. For suppliers whose principal place of business is outside of Florida, such suppliers must, at the time of submitting its bid, proposal or reply, provide a written

opinion from a licensed attorney in its state specifying: (a) the preferences(s) granted by the state or political subdivision, as applicable, under the laws of that state to suppliers whose principal place of business is in that state or political subdivision; and (b) how the preference is calculated. The failure to submit the written opinion may be waived as non-material if all suppliers responding to the solicitation have principal places of business outside of Florida.

d. The supplier's principal place of business, as represented by the supplier in its bid or reply, may be relied upon by the University without further inquiry. If the University determines that a supplier has misrepresented its principal place of business, the supplier's bid, proposal or reply shall be rejected.

e. For the purpose of paragraph (g) 1., "personal property" shall be defined as goods and commodities, but not real estate, intellectual property or services.

2. Preferences for Printing. When a University purchase printed materials by competitive solicitation, a preference shall be provided to Resident Suppliers as follows:

a. If the lowest responsible and responsive bid received pursuant to an Invitation to Bid is from a supplier whose principal place of business is outside of Florida, then the University shall grant a preference to the lowest responsible and responsive Resident Supplier in the amount of five percent (5%) if the University has determined that the printing can be performed by the Resident Suppliers at a level of quality comparable to that obtainable from the supplier submitting the lowest bid whose principal place of business is outside of Florida.

For purposes of subparagraph (g) 2.a. the level of quality shall be determined by whether a supplier satisfies the minimum specification requirements as set forth in the Invitation to Bid.

3. Method of Calculating Five Percent Preference. If the competitive solicitation is an Invitation to Bid, then an amount equal to five percent (5%) of the total base bid and any alternates shall be deducted from the base bid and alternates, as

applicable, of the lowest responsible and responsive Resident Supplier's bid.

4. Determining a Supplier's Principal Place of Business. A supplier's "principal place of business" is determined as follows:

a. If the supplier is an individual or a sole proprietorship, then its "principal place of business" is in the state where the supplier's primary residence is located.

b. If the supplier is a business organization, then its "principal place of business" is in the state where the majority of the supplier's executive officers direct the management of the supplier's business affairs.

5. Federally Funded Projects. Purchases made to perform specific obligations under federally funded projects shall not be subject to this preference requirement to the extent the application of a preference is not allowed under applicable federal law or regulation.

6. If no preference exists or where after application of the preference here, two or more responses are equal in every respect, the University will use a toss of a coin to select the successful response.

(h) Purchases from Contractors Convicted of Public Entity Crimes. The University shall not accept a competitive solicitation from, or purchase commodities or contractual services from, a person or affiliate who has been convicted of a public entity crime and has been placed on the State of Florida's convicted supplier list for a period of 36 months from the date of being added to the convicted supplier list.

(i) Competitive Solicitation Notice of Award. After evaluating the responses to a competitive solicitation, the Procurement Director, or a designee, shall make a determination as to the successful response based on the method of award contained in the competitive solicitation. A notice of award shall be posted electronically by posting a Competitive Solicitation Tabulation Sheet, or other appropriate document, on the Web Site of the Procurement department that issued the competitive solicitation, on the date and time listed in the competitive solicitation or as soon as reasonably possible after the responses are evaluated. The Competitive

Solicitation Tabulation Sheet shall contain the competitive solicitation name, the name of each responder including those whose responses were rejected and the dollar amount(s) of each response, the date and hour that it was posted and the date and hour that the posting period ends. The Notice of Award Web Site shall be maintained by each department with delegated procurement responsibility and shall be available for public inspection at all times during regular University business hours. Any person who is adversely affected by the University's decision or intended decision regarding a competitive solicitation shall file in writing a protest which shall be received in the procurement department responsible for issuing the competitive solicitation before the end of the 72-hour posting period shown on the Notice of Award, or within 72 hours after the protestant received actual notice by other delivery of the decision, whichever occurs first. The 72-hour period excludes the hours in weekends and University holidays. Weekends are deemed to begin at 5 PM on Friday and end at 8 AM on Monday. Holidays are deemed to begin at 5 PM at the end of regular workday before the holiday or 8 AM after a Sunday if the holiday begins on a Monday and end at 8 AM on the next regular University workday. Posting of the proposed Notice of Award does not establish a contract between the University and the proposed supplier.

(j) The following shall apply to every solicitation for the procurement of commodities or contractual services: "Respondents to this solicitation or persons acting on their behalf shall not contact any employee or officer of the Florida State University Board of Trustees, a University Direct Support Organization, or The Florida State University concerning any aspect of this solicitation, except in writing to the Chief Procurement Officer or as provided in this solicitation document, from the date of release of this solicitation through the end of the 72-hour period following the University's posting of the notice of intended award, in accordance with BOG Regulation 18.002. Violation of this provision may be grounds for rejecting a response."

(8) Competitive Solicitation Registration. Individuals and businesses shall register with the University's Procurement Services department to receive competitive solicitations, a contract or a purchase order from the Central procurement department. The University does not guarantee that a business will receive notice of a competitive solicitation for a particular commodity or contractual service for which they have registered as a supplier and are responsible for monitoring



posted notices which interest them. The opportunity to participate in a competitive solicitation is a privilege not a right.

(9) Procurement actions that are not subject to the competitive solicitation process include:

(a) Emergency Purchases. When the President, or a designee, determines in writing that a condition exists that threatens the health or safety of person(s) or animal(s) or the preservation or protection of property or the continuance of a vital University function, the University will proceed with an emergency purchase without a competitive solicitation. Due to the critical nature of the procurement, emergency purchases do not require that the action be posted in the Notice of Award Web Site for 72 hours. An emergency purchase shall be limited to the purchase of only the type of items and quantities that are required for a time period sufficient to relieve the immediate threat and shall not be used to meet long-term requirements.

(b) Sole Source Purchases. Commodities or contractual services available from a single source shall be exempted from the competitive solicitation process. A sole source document shall be publicly posted in the Notice of Award Web Site for 72 hours, unless the sole source is covered under the annual certification list provided in (6)(d).

(c) Construction Direct Purchase Program. Commodities to be incorporated into any public work (as that term is defined in Fla. Admin. Code R. 12A-1.094 as authorized under Section 212.08(6), F.S. [tax-exempt purchase] which are procured by the University in accordance with the requirements of the University's direct purchase program are not subject to any further competitive solicitation.

(d) Commodities and contractual services that are exempt from the competitive solicitation process include:

1. Artistic services;
2. Academic reviews;
3. Lectures;

4. Auditing services;
5. Legal services, including attorney, paralegal, expert witness, appraisal, arbitrator or mediator services;
6. Health services involving examination, diagnosis, treatment, prevention, medical consultation or administration. Prescriptive assistive devices for medical, developmental or vocational rehabilitation including, but not limited to prosthetics, esthetics, and wheelchairs, provided the devices are purchased on the basis of an established fee schedule or by a method that ensures the best price, taking into consideration the needs of the client;
7. Training and education services for University employees;
8. Advertising, except for media placement services;
9. Services or commodities provided by governmental agencies, another University in the State University System, direct support organizations of the university, cooperatives or consortia, political subdivisions or independent colleges and universities
10. Goods or services purchased with auxiliary funds authorized for such purchases, in direct support of specific programs, conferences, workshops, or continuing education events offered to the general public, for which fees have been collected to pay all expenses associated with the program or event;
11. Purchases from firms or individuals who are prescribed by state or federal law or specified by a granting agency;
12. Regulated utilities and government-franchised services;
13. Regulated public communications, except long distance telecommunications services or facilities;
14. Purchases from the Annual Certification List provided in (6) (d)

15. Purchases for resale to the public.

16. Accounting Services

17. Implementation/programming/training services available only from the owner of copyrighted software or its contracted supplier; and

18. Purchases of materials, supplies, equipment, or services for research purposes when the Vice President for research, or a designee, certifies that, in a particular instance, it is necessary for the efficient or expeditious prosecution of a research project.

19. Contracts or services provided by not-for-profit support and affiliate organizations of the University, direct support organizations, health support organizations, and faculty practice plans.

(10) Suppliers Excluded from Competition. In order to ensure objective contractor performance and eliminate unfair competitive advantage, contractors that develop or draft specifications, requirements, statements of work, projects or programs for future implementation, or competitive solicitation documents, shall be excluded from competing for such procurements.

(11) Standard of Conduct

(a) It shall be a breach of ethical standards for any employee of the University or member of the University Board of Trustees to accept, solicit, or agree to accept a gratuity of any kind, form or type in connection with any contract for commodities or services. It shall also be a breach of ethical standards for any potential contractor to offer an employee of the University a gratuity of any kind, form or type to influence the development of a contract or potential contract for commodities or services.

(b) It shall be a breach of ethical standards for any employee to participate in the selection, award, or administration of a contract if a real or apparent conflict of interest would be involved. Such a conflict would arise when the employee, officer, or agent, any member of his immediate family, his or her partner, or an organization

which employs or is about to employ any of the parties indicated herein, has a financial or other interest in the firm selected for an award.

(12) Bonding Requirements

(a) Solicitation Security. A certified, cashier's or treasurer's check, bank draft, bank official check or bid bond may be required as a condition for participating in a competitive solicitation.

(b) Payment and Performance Bonds.

1. Any contractor contracting with the University to provide commodities, services or commodities which include installation, may be required to furnish a payment and performance bond, with good and sufficient securities, to the University prior to the issuance of the contract as pursuant to BOG Regulation 18.003.

2. The bond or security must be in an amount equal to 100% of the responses submitted to the competitive solicitation.

3. Competitive Solicitation Protest Bond. Any contractor that files an action pursuant to BOG Regulation 18.002, protesting a decision or intended decision pertaining to a solicitation, shall at the time of filing of the formal protest, post with the University, a bond payable to the University in an amount equal to: 10% of the estimated value of the protestor's competitive solicitation response; 10% of the estimated expenditure during the contract term; \$10,000; or whichever is less. The bond shall be conditioned upon the payment of all costs which may be adjudged against the contractor filing the protest action. In lieu of a bond, the University will accept a cashier's check or money order in the amount of the bond. Failure of the protesting contractor to file the required bond, cashier's check or money order at the time of filing the formal protest shall result in the denial of the protest.

(13) Contract Formation

(a) Contracts for the purchase of commodities or contractual services or

licenses shall consist of a purchase order or a purchase order and bilateral agreement [an individual written contract in addition to the purchase order] signed by the President of the University, or a designee who has been granted power of attorney through the University President, prior to the goods or services being ordered, contracted for, or rendered by the contractor.

(b) Any contract for the purchase of services or tangible personal property for a period in excess of one fiscal year shall include the following statement: "The State of Florida's and University's performance and obligation to pay under this contract is contingent upon an annual appropriation by the Legislature."

(c) The extension of a contract granted to extend the time to complete the contract shall be in writing signed by the Chief Procurement Officer. Contract extension shall not cause the University to incur additional costs. The contract extension shall be signed by both parties if a bilateral agreement and a purchase order were issued and shall be subject to the same terms and conditions set forth in the initial contract for up to twelve months or until completion of the competitive solicitation and award or protest, whichever is longer.

(d) A contract may contain provisions for renewal. If the commodity or contractual service is purchased as a result of a competitive solicitation, all contemplated renewal periods must be included in the competitive solicitation, and evaluated as part of the award evaluation process, including a cost algorithm to determine the cost to the university during renewal periods. Renewal(s) of a contract may not exceed 5 years or twice the term of the original contract, whichever is longer. This provision is not intended to apply retroactively; existing contracts entered into prior to January 1, 2017, including any specified renewal period(s) may continue in accordance with existing contract terms.

(e) The President, or a designee, shall have the authority to enter into deferred payment agreements, in accordance with Board of Governors debt policies. The University may utilize the State of Florida Department of Financial Services Consolidated Equipment Financing Program if it is deemed advantageous. When the

Consolidated Equipment Financing Program is used, the University will submit the contract to the Department of Financial Services for the purpose of pre-audit review and approval prior to acceptance. No such agreement shall establish a debt of the State or shall be applied to the faith and credit of the State; nor shall any agreement be a liability or obligation of the State except from appropriated funds.

(f) In order to promote cost-effective procurement of commodities and contractual services, the University may enter into contracts that limit the liability of a supplier consistent with Section 672.719, F.S. and consistent with the lawful limits of state sovereign immunity.

(g) The total value of the contract shall be the purchase price for the initial term plus all renewal costs.

(14) Authority to Suspend or Debar a Business.

The Chief Procurement Officer shall remove a business from the University's authorized supplier or competitive solicitation list and reject all responses offered by that business in the event the business's performance through acts of omission or commission results in any of the following grounds, when it is determined to be in the best interest of the University, including but not limited to:

(a) Failure to respond to a competitive solicitation without giving a justifiable reason for such failure.

(b) Failure to make timely delivery or fully comply with the pricing, terms, conditions, or specifications, on any one contract or purchase order;

(c) Any attempt to influence a purchase, specification, award, or other pertinent factor, in violation of this Regulation and BOG Regulation 18.001.

(d) Being charged or convicted before a court of competent jurisdiction with committing a fraud, misdemeanor or felony in connection with the business's commercial enterprise. If charges are dismissed, the owner of the business is found not guilty, or the guilty verdict is reversed through the appellate process, the business is found not guilty, or the guilty verdict is reversed through the appellate process, the suspension shall be lifted immediately upon notification by the business.

(e) Bankruptcy.

(f) Continuing to supply commodities or contractual services before receiving a purchase order or after receiving a notice not to supply commodities or contractual services without first receiving an official Florida State University purchase order signed by the Procurement Director.

(g) Failure or refusal to use any of the university's automated procurement and payment processes when instructed to do so, including but not limited to the on-line submission of responses to requests for quotations, competitive solicitations, or invoices.

(15) Default

(a) Suppliers who fail to make delivery or perform in accordance with the conditions, specifications, drawings or terms and conditions of a purchase order or contract shall be notified in writing, stating the nature of their failure to perform and provide a time certain for correcting the failure. Reasonable time for correcting the failure should not be generally less than ten (10) calendar days after receipt of such notice by the supplier, except in case of a documented emergency. The notification shall also provide that should the supplier fail to perform within the time provided, that: It will be in default; it will be removed from the University's supplier and competitive solicitation lists; and the University will re-procure the commodity or service from another source, which will obligate the supplier to pay all re-procurement costs and costs for cover.

(b) Unless the supplier corrects its failure to perform within the time provided, or unless the University determines based on its own investigation that the supplier's failure is legally excusable, the supplier shall be found in default and issued a second notice stating the reasons the supplier is considered in default and stating that the University has re-procured the commodity or service and the amount of the procurement and the cover cost. The University shall also advise the defaulting supplier that the supplier has been removed from the supplier and competitive procurement lists pursuant to this regulation and will not be eligible to submit a

competitive solicitation or be awarded a contract until such time as the University is reimbursed for all re- procurement costs and for costs of cover. The defaulting supplier also shall be advised of the right to protest and shall follow the protest procedures provided BOG Regulation 18.002.

(c) The Procurement Director shall determine the method for re-procurement of commodities or contractual services as the best interests of the University require.

(d) The University may issue a second competitive solicitation or purchase on the open market if a substantially similar procurement is not accomplished under (c) above. until such time as the supplier reimburses the University for all re-procurement and cover costs, the defaulting supplier shall not be reinstated on the University's competitive solicitation list and shall not be eligible for any type of purchase order or contract with the University.

(e) All correspondence to suppliers respecting failure to perform shall be sent by certified mail, return receipt requested or documented courier delivery service. The foregoing provisions do not limit or exclude the University's remedies at law.

(16) Protested Solicitations and Awards. Protests arising from all University contract procurement processes for the purchase of goods, services, leases and for construction-related competitive solicitations shall be handled in accordance with BOG Regulation 18.002.

(17) Purchase of Motor Vehicles.

(a) The University has authority to:

1. Establish standard classes of motor vehicles to be leased, purchased or used by University personnel;
2. Obtain the most effective and efficient use of motor vehicles for university purposes;
3. Establish and operate facilities for the acquisition, disposal, operation,



maintenance, repair, storage, control and regulation of University-owned motor vehicles. Acquisition may be by purchase, lease, installment-purchase, loan or by any other legal means and may include a trade-in. All motor vehicles purchased or leased shall be of a class that will safely transport University personnel and adequately meet the requirements of the University;

4. Contract for specialized maintenance services.

(b) Motor vehicles owned, leased or operated by the University shall be for official University business only.

(18) Definitions.

(a) Artistic Services. Services provided by an individual or group of individuals who profess and practice a skill in the area of music, dance, drama, folk art, creative writing, painting, sculpture, bronze, photography, antique or period furniture reproduction or restoration, graphic arts, website design, craft arts, industrial design, costume design, fashion design, motion pictures, television, radio or tape and sound recording or in any other related field, as determined by the Chief Procurement Officer. Web design shall not include website hosting, maintenance, or and computer-related services; only the portion of the design meeting the definition of an artist shall be exempt. If artistic web design cannot be separated from the non-artistic portion of the purchase, the artistic exemption shall not apply.

(b) Business. Any corporation, partnership, individual, sole proprietorship, joint stock company, joint venture or any other private legal entity.

(c) Commodity. Supplies, materials, goods, merchandise, food, equipment or other personal property, including a mobile home, trailer or other portable structure, which are purchased, leased, lease-purchased or otherwise contracted for by the University. "Commodity" also includes interest on deferred-payment contracts entered into by the University for the purchase of other commodities. Printing of publications and photocopying shall be considered a "commodity." Software license agreements shall be considered a "commodity."

(d) Competitive Negotiation. The establishment of a contract through deliberation, discussion or conference on the specifications, terms and conditions of a

proposed agreement.

(e) Competitive Solicitation. An Invitation to Bid, Request for Proposal or Invitation to Negotiate issued by a procurement department with delegated authority as specified in this regulation to select a contractor.

(f) Contract. Document issued by the procurement department, including purchase orders and bi-lateral agreements, regardless of their designation.

(g) Contractual Service. The rendering by a contractor of its time and effort rather than the furnishing of specific commodities. The term applies only to those services rendered by individuals and firms who are independent contractors.

~~“Contractual service” does not include labor or materials or selection of professional services for the construction, renovation, repair, maintenance or demolition of facilities or grounds.~~

(h) Cover. The difference between the cost to procure substitute commodities or services and the contract price for such commodities or services.

(i) Department. Any Florida State University college, school, department, principal investigator, club, organization or other budget entity assigned a departmental account by the University.

(j) Extension. An increase in the time allowed for the contract period.

(k) Independent Contractor -- A person or firm who provides a service to the University, but does not have any employment or other relationship or connection with the University as provided in s. 112.313, F.S.

(l) Invitation to Bid. A solicitation for competitive bids issued by the procurement department, including reverse auctions, with the title, date, and hour of the public bid opening designated and the commodity, group of commodities or services defined.

(m) Invitation to Negotiate. An invitation extended to prospective suppliers or contractors by the University, whether by advertisement, written solicitation, electronic media or any other form of communication, to define the specifications, terms and conditions of a contract for commodities or contractual services. An

Invitation to Negotiate shall be awarded as the best interests of the University indicate and does not require numeric scoring. Cost may not be a consideration in the initial stages of negotiating.

(n) Minority Business Enterprise. A business concern as defined in s. 288.703(2), F.S.

(o) Mutuality of Management. That circumstance wherein two or more businesses are owned or managed by the same person or persons. Mutually managed businesses shall submit only one response to a competitive solicitation. The Procurement Director may reject all responses from mutually managed businesses submitting more than one response to a competitive solicitation. If more than one response is submitted and subsequently evaluated, only the response with the lowest cost or score shall be considered in determining an award.

(p) Person. Shall have the meaning provided in s. 1.01 (3), Florida Statutes.

(q) President. The chief executive officer of the University, responsible for its operation and administration.

(r) Public Entity Crime -- A violation of any state or federal law by a person in the transaction of business with any public entity of any state or with the United States government involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy or material misrepresentation.

(s) Purchase. an acquisition of commodities or services obtained by purchase order or contract whether by rent, lease, installment- or lease-purchase, outright purchase, or license.

(t) Purchases for Resale. the purchase of commodities or contractual services acquired for selling them to the public. Purchases of commodities or contractual services acquired for resale or transfer of ownership to other University departments are not purchases for resale.

(u) Procurement Services. also known as Central Procurement; the

department with primary procurement responsibilities at the University.

(v) Renewal. Contracting with the same contractor for an additional period after the initial contract term provided the original terms of the agreement specify an option to renew.

(w) Request for Proposal. A written solicitation issued by the Procurement department for competitive proposals for commodities or contractual services with the title, date, and hour of the public opening designated. A request for proposals may be used when the scope of work is not clearly defined, or cost is not the primary consideration.

(x) Responder. A person or business that has submitted a bid, proposal response or an offer to negotiate, as the result of a competitive solicitation.

(y) Response. A bid, proposal or offer to negotiate submitted as a result of a competitive solicitation that designates the title, date and time of the public opening. The response shall be submitted in accordance with instructions provided in the competitive solicitation prescribing all general and special conditions.

(z) Responsible supplier or responder. Individuals or businesses that possess the ability to perform successfully under the terms and conditions of the proposed purchase.

(aa) Responsive offer. A response from a responsible responder that complies in every respect with the terms, conditions and specifications of a competitive solicitation.

(bb) Request for Quotation. A written or oral request issued by the Procurement department to one or more suppliers to provide pricing on specified commodities or contractual services when the total costs, including all renewal options, is less than the competitive solicitation threshold. Requests for Quotations are not subject to the electronic posting requirements of BOG 18.002.

(cc) Specifications.

1. A clear and accurate description of the technical requirements, including the

range of acceptable characteristics or minimum acceptable standards, for the material, product, or service to be purchased. In competitive solicitations, such specification shall not contain features which unduly restrict competition.

2. The specific features of “brand name or equal” descriptions that responders are required to meet when such items are included in a competitive solicitation.

3. A clear and accurate description of the physical, performance or functional characteristics of a commodity or contractual services. It may include plans, drawings, samples or a description of any requirement for inspection, testing or preparing a commodity or contractual service for delivery.

(dd) Term Contract. An indefinite quantity contract for the purchase of commodities or contractual services during a prescribed period of time.

(ee) Vehicle. This term includes any automobile, airplane, truck, mobile construction equipment, golf cart, tractor, watercraft or other vehicle.

(ff) Supplier. A person or business that has received a duly executed purchase order or purchase order and contract from the University.

Specific Authority BOG Regulation 1.001(3) (j), (7) (b) Law Implemented 112.313, 283.33, 672.719, 1004.22(7) FS. History--New 5-20-24



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# CONSENT ITEM BB



# FLORIDA STATE UNIVERSITY

BOARD OF TRUSTEES

*Student Affairs Committee*

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## CONSENT ITEM BB

**June 20, 2024**

**SUBJECT:** FSU 3.003 Freedom of Expression Rights and Responsibilities

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### **PROPOSED COMMITTEE ACTION**

Adoption of proposed changes to FSU 3.003 Freedom of Expression Rights and Responsibilities

### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

The authority for the proposed regulation is as follows: Board of Governors Regulations 1.001 (3) (j), (4), (7).

### **BACKGROUND INFORMATION**

This amends the current regulation, providing clarification and updates to conform to current laws and applicable regulations and policies.

Significant changes include:

- clarifies priority of advanced space use reservation
- replaces recognized student organizations with registered student organizations
- amends specific time, place, and manner restrictions

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

None

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**Supporting Documentation Included:** FSU 3.003 with proposed changes redlined.

**Submitted by:** Proposed adoption of Regulation FSU-3.003 has been initiated by Dr. Amy Hecht, Vice President for Student Affairs

### FSU-3.003 Freedom of Expression Rights and Responsibilities

(1) Policy Statement Concerning Freedom of Speech. The right of all students and individuals to seek knowledge, debate ideas, form opinions and freely express their views is recognized, both as an individual right and an important part of the University culture. This right must be exercised in a manner which will not interfere with the same rights and freedoms of others in their enjoyment of the benefits of the programs offered by this University, or their lawful use of University facilities, including ingress and egress. Such rights may be exercised subject to applicable laws, rules, regulations, policies and procedures, including lawful imposition of time, place, and manner restrictions that are consistent with the University's mission and the intent of this regulation.

(2) Policy Statement Concerning Freedom of Assembly. The right or freedom of peaceful assembly is recognized and shall be protected. Meetings, assemblies, picketing activities, demonstrations, protests, and gatherings that do not disrupt the orderly functioning of the University and related activities qualify as peaceful and are therefore protected.

(3) Planned Outdoor Assemblies. Certain outdoor areas of campus may be reserved by individuals or groups or otherwise may be restricted for official University use. Groups planning outdoor ~~assemblies~~ meetings, assemblies, picketing activities, demonstrations, protests, and gatherings should provide advance notice per applicable event permitting processes to ensure space availability and the adequate provision of security.

(4) Individual Spontaneous Expression. ~~however, Lawful, spontaneous speech assemblies may occur provided such expression is that they are~~ Lawful, spontaneous speech assemblies may occur provided such expression is in compliance with applicable time, place, and manner restrictions outlined in section (12) of this regulation, do not materially and substantially disrupt university operations or the expressive activities of other individuals or groups, and do not present a threat to the health, safety, or welfare of the university community. Individuals and groups holding reservations will ~~may~~ receive priority over spontaneous activities. Planned use of campus areas and facilities by groups and individuals is generally governed by Regulation FSU-2.007, Use of ~~Campus~~ University Lands and Facilities.

(5) Expressive activities in outdoor areas that have been reserved by the University or another individual, group, or organization for use through established University procedures are subject to removal or relocation under the parameters of this regulation. Additionally, no individual or group may claim exclusive use of any area without prior approval through the applicable event permitting or reserving processes.

~~(4) Amplification. Public address systems and other electrical amplification equipment may be utilized for events, subject to the provisions of Regulation FSU-2.007. All such use of public address systems or other amplification equipment shall maintain a reasonable sound level which meets the communication needs of the event without excessive noise penetration to adjacent areas.~~



~~(65)~~ Circulation of Literature (Non-Commercial). Students' right to write and distribute literature and to express thoughts and beliefs is acknowledged. Individual students and, registered ~~recognized~~ student organizations, ~~and other student groups~~ may circulate non-commercial literature, provided it is identified by authorship and sponsorship, subject to applicable provisions of Regulation FSU- 2.0131 Posting, Chalking Advertising and Active Distribution of Materials on FSU Campuses.

~~(76)~~ Circulation of Literature (Commercial). Commercial solicitations are governed by Regulation FSU-2.013.

~~(87)~~ Speaker Invitations; Speaker Contracts; Security.

(a) University and University related persons, groups, and organizations, as defined in Regulation FSU-2.007, may invite persons from outside the University to speak to their memberships and the public. If University facilities are to be used for holding the meeting, prior scheduling and space reservations approval shall be obtained pursuant to Regulation FSU-2.007. Speakers wishing to express all varieties of opinions and viewpoints are welcome at the University.

(b) It is the responsibility of the group extending the invitation to negotiate speaker fees, riders, and any other requests or demands from the speaker. Reasonable notice of the event shall be given to the University in order to plan and coordinate for security and safety concerns. The University may impose reasonable costs for security required for any sponsored event held on campus, based on constitutionally permissible criteria.

~~(98)~~ Political Activity. The Student Government Association (Tallahassee), Student Government Council (Panama City), and registered ~~recognized~~ student organizations, ~~and other student groups~~ may sponsor speeches, rallies, or other events by or for political candidates for federal, state or local office, subject to availability of suitable location based on size of crowd and time of speech, and subject to Regulation FSU-2.007 and applicable FSU policies on political activity.

~~(109)~~ Recordings. Recordings of speeches, gatherings, rallies, or other activities at the University may be restricted by copyright protection. Additionally, despite the open nature of some gatherings, participants may still enjoy the expectation of privacy in certain conversations. Any person who records an event or conversation is expected to understand and accept the civil and criminal risks associated with the recording, and/or to take steps to reduce those risks prior to making the recording.

~~(11 10)~~ Authority of the President, ~~Time, Place, and Manner Restrictions, Campus Safety~~. The President or his or her designee retains the authority to determine whether or not activities materially and substantially disrupt the functioning of the University or infringe upon the rights of other individuals or organizations to engage in expressive activities, as provided in section 1004.097, F.S., and more specifically as follows:

(a) If the President has reasonable grounds to believe that a planned speech, demonstration, or other event is likely to draw a large number of persons who are not Florida State University

students, faculty, or staff; obstruct ingress or egress to or from University classrooms or other facilities or travel across campus; or interfere with the ability of students or faculty to study and enjoy a secure and peaceful academic atmosphere, the President is authorized to designate an area on University property, or secure an area off University property, that would mitigate such effects and is reasonably accessible to University students and faculty, and to limit the event to such location. Nothing in this section is intended to, nor shall be read to, imply an obligation on the part of the President or the University to secure or rent property for any ~~speech, demonstration, or event, meeting, assembly, picketing activity, demonstration, protest, or gathering~~ nor is it intended to indicate that such ~~any and all speeches, demonstrations, or events~~ can be accommodated.

(b) If the President has reasonable grounds to believe that any such event presents an imminent threat to the health, safety, and welfare of campus, the President may cancel the event provided that the threat cannot be mitigated using reasonable alternative means.

#### (12) Prohibited Conduct

The University prohibits any person from interfering with university and authorized functions, activities, and events and from participating in unlawful conduct. As such, no person may engage in the following:

- (a) Obstruct or impede vehicular, bicycle, pedestrian, or other traffic;
- (b) Obstruct any entrance or exit to any building, assembly space, driveway, parking lot, vehicular path, stairway or walkway or impede entry to or exit from any such area;
- (c) Build or construct any shelter, barrier, or other physical structure.
- (d) Camping as defined in Regulation FSU-2.007.
- (e) Disrupt, disturb, or interfere with educational or administrative activities, events, or operations inside or outside any building;
- (f) Enter into any building or facility or occupy any university building without appropriate authorization;
- (g) Violate any applicable federal, state, or local law, rule, or ordinance;
- (h) Fail to comply with any reasonable instruction by university policy or any University official action in the performance of their duty;
- (i) Cause any threat to the health or safety of any passerby or member of the University community;
- (j) Engage in harassing conduct as defined in the Student Conduct Code, regulation 3.004 which includes any gesture, written, verbal, or physical act or any electronic communication that places a person in reasonable fear of harm to their person or damage to their property, infringes upon rights of personal privacy, has the effect of substantially interfering with a reasonable person's academic performance or ability to participate in opportunities or benefits provided by the University, or has the effect of substantially interfering with the orderly operation of the University.
- (k) Obstruct, disrupt, or attempt by physical force to cancel or discontinue speech by any speaker, or the observation of speech by any person intending to see or hear a speaker;

- (l) Damage University property, including but not limited to structures, grass, shrubs, trees, fountains, or other landscaping;
- (m) Mark university property, including any vertical or horizontal surface, other than in accordance with regulation 2.0131.
- (n) Use amplified sound, including but not limited to bullhorns, airhorns, and noise-making devices or instruments, except as approved in advance under applicable policy and within sound limits that will not disrupt University operations;
- (o) Wear any mask, hood, or device whereby any portion of the face is so hidden, concealed, or covered as to conceal the identity of the wearer.
- (p) Conduct that is in violation of the lawful time, place, and manner restrictions in this regulation.
- (q) Any inflammatory speech that is directed to inciting or producing imminent lawless action, and is likely to incite or produce such action.

### (13) Time, Place and Manner Restrictions

Time, place, and manner restrictions are content-neutral limitations that serve the University interest to ensure the health, safety, and rights of all members of the University community.

~~(a)(c)~~ No person, while participating in any meeting, assembly, picketing activity, demonstration, protest, or gathering demonstration, rally, picket line, or other public assembly shall carry or possess any of the following:

1. Signs exceeding the size restriction of 24" by 36". Only signs constructed of foam, cardboard, or paper shall be permitted to be carried. Signs may be mounted on sticks or posts provided that the sticks or posts are constructed of wood, foam, or plastic and their dimensions do not exceed one-half inch in diameter (if round in shape) or one-fourth inch thick by two inches wide (if rectangular in shape).

2. Unmanned signs, banners, or flags. All signs, banners and flags must be in the possession of persons at all times, and any unmanned signs, banners, or flags will be collected.

3. Signs, banners, flags, or displays that infer university endorsement either by content or location.

4. Weapons or firearms as defined by FL Statute 790.001.

5. Mace or pepper spray unless for the purpose of personal protection-

6. Bats or other club-like objects.

7. Face shields, or gas masks, hand-held shields, or helmets.

8. Other masks or disguises that are worn with the intent of threatening the safety of others or of evading or escaping discovery, recognition, or identification in the commission of violations of University regulations or policies, or other applicable laws or ordinances.

9. Flammable liquids.

10. Torches or other open flames, except as authorized by University officials.

11. Wagons, carts, or ladders, except as authorized by University officials, or other items that could be used to barricade or to push or manipulate crowds.

12. Tents, vehicles, shelters, and/or bedding.

13. Any other items reasonably determined by the President or designee to be a public safety hazard.

(b) Meetings, assemblies, picketing activities, demonstrations, protests, and gatherings are subject to the following restrictions:

1. ~~(4) Amplification.~~ Public address systems and other electrical amplification equipment may be utilized for events, subject to the provisions of Regulation FSU-2.007. All such use of public address systems or other amplification equipment shall maintain a reasonable sound level which meets the communication needs of the event without excessive noise penetration to adjacent areas.

2. Only University or University-related events will be permitted during any final exam period, and no unapproved amplified sound will be permitted at outdoor events during any final exam period.

3. The University may place limits on the attendance of expressive activities based upon the capacity of the forum.

4. Outdoor events are only permitted between sunrise and sundown unless prior approval is granted from the University i.e. scheduled sports competitions located in properly lighted space designed for such activity and scheduled through Campus Recreation.

5. Events are not permitted to block ingress or egress to any building or pathway, stairs, landings, or other areas deemed to create a hazard to the safety of the community.

Specific Authority BOG Regulations 1.001(3)(j),(4), (7).History–New 9-30-75, Formerly 6C2- and 6C2R- 3.03, Amended 7-28-86, 6-17-2009, 3-8-2013, 2-22-2017, 1-18-2018, 9-4-2018, \_\_\_\_\_



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# ACTION ITEM A



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Academic Affairs Committee*

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#### **ACTION ITEM A**

**June 20, 2024**

**SUBJECT:** Tenure Report

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#### **PROPOSED COMMITTEE ACTION**

The Academic Affairs Committee is asked to approve the awarding of tenure to faculty as recommended by the President, contingent on full Board of Trustees approval via the Action Item (Non-Consent) Agenda.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

Board of Governors Regulation 5.940 Tenure and Permanent Status

#### **BACKGROUND INFORMATION**

President McCullough has recommended the award of tenure to certain faculty meeting the requirements of the University's rigorous promotion and tenure procedures.

#### **ADDITIONAL COMMITTEE CONSIDERATIONS**

Board of Governors approval is not required.

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**Supporting Documentation Included:** Additional information and highlights of accomplishments for each faculty member recommended for tenure are attached.

**Submitted by:** Office of Faculty Development and Advancement

## **2024 Tenure Report**

The President and Provost recommend awarding tenure to 52 faculty reviewed during the annual Promotion and Tenure Process and to 11 faculty members reviewed for Tenure on Appointment. One tenure candidate was not recommended for tenure, and one withdrew from the Tenure Upon Appointment review process.

### University Tenure Criteria:

- National recognition as a scholar or creative artist
- Excellence in teaching and mentoring students
- Positive contributions in service to the university and academic discipline

### Evidence Used to Evaluate Tenure Candidates

- External letters from leading experts in the candidates' fields
- Publications in top-tier scientific and professional journals
- Books published by prestigious publishing houses
- Invited addresses and presentations at professional meetings
- Performances in highly rated venues (for faculty in the arts)
- Products of scholarship such as patents, software, films, and artwork
- Honorific awards for research, teaching, and service
- Engagement and success mentoring students
- Contributions to the curriculum
- Observations of teaching
- Student evaluations of teaching
- Service to the academic discipline (e.g., journal and grant reviews)
- Service to the university, which may include serving on, or chairing, department, college, and university committees

### Tenure Review Process

- The process for reviewing and recommending candidates for tenure includes reviews by tenured faculty in the academic unit, the department chair, the dean of the college, the provost, and the president. Candidates who are recommended for tenure by the president are presented to the FSU Board of Trustees for approval.
- Faculty hired in tenure-earning positions, typically as Assistant Professors, must earn tenure by the end of their 7<sup>th</sup> year of tenure-earning service or their employment is terminated.
- When hiring faculty at the rank of Associate or Full Professor, tenure may be recommended at the time of initial appointment, referred to as Tenure Upon Appointment (TUA).

Tenure Candidates  
2024

TENURE UPON APPOINTMENT (TUA)					
Name	College	Department	Hire Date	Degree and Institution	Bio
Billo, Emily	SS&PP	Geography	Fall 2023	Ph.D. in Geography Syracuse University	An impactful geographic scholar whose research focuses on understanding socioeconomic processes across spatial and social contexts. She is dedicated to teaching and mentoring and will make important contributions to FSU's Geography curriculum.
Horsburgh, Ann	A&S	Anthropology	Fall 2023	Ph.D. in Anthropology Stanford University	A biological anthropologist who who views traditional questions of broad anthropological concern through a molecular lens. She analyzes ancient DNA and genomic sequencing to answer questions about our ancestors and address modern questoins of culture, stress, and genetics affect our well-being. She is a productive scholar and mentor with an active grant-funded research and training program.
Kwasnica, Anthony	SS&PP	Economics	Fall 2023	Ph.D. in Social Science, California Institute of Technology	Currently a Professor of Business Economics at Penn State University, Dr. Kwasnica is a rising star in the field of behavioral and experimental economics. He will be an excellent addition to our strong Department of Economics, reinforcing and expanding its strength as one of the preeminent experimental economics programs in the nation.
Liguori, Eric	Entrepreneurship		Fall 2023	Ph.D., LSU Business	Expert in entrepreneurial ecosystems, decision-making, and education. Was the Founding head of the Rowan School of Innovation and Entrepreneurship and the Willisam G. Rohrer Endowed Chair of Entrepreneurship, Rowan University Business.
McCoy, Mark	A&S	Anthropology	Fall 2023	Ph.D. in Anthropology University of California, Berkley	An archaeologist who studies the history and evolution of Pacific island communities whose research accomplishments in these areas have positioned him as a leading voice. Further, his mastery of geospatial technologies places him at the cutting edge of modern archaeology. His publication record is outstanding and is complemented by a robust list of external funding of his research.
Prichard, Franz	A&S	Modern Languages and Linguistics	Fall 2023	Ph.D. in Asian Languages and Cultures University of California, Los Angeles	A scholar of Japanese cultural studies who makes use of literary and visual media. His publications have received the praise of experts in the field. He will make valuable contributions to the curriculum of his program through undergraduate and graduate courses. He was viewed as a highly effective teacher and mentor at his prior institution.

Name	College	Department	Hire Date	Degree and Institution	Bio
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Tenure Candidates  
2024

Santos, Susana	Entrepreneurship		Fall 2023	Ph.D. Human Resources Management and Organizational Behavior, Universitario de Lisboa	Has achieved stellar research productivity in the area of interdisciplinary entrepreneurship. She is an excellent teacher who focuses on developing students' entrepreneurial mindset, and enhancing their entrepreneurial competencies to be successful in their current educational program, personal life, and future work roles.
Slocum, Brian	Law		Fall 2023	Ph.D. in Linguistics University of California, Davis	A Distinguished Professor of Law at the University of the Pacific, McGeorge School of Law, whose work established him as a leader in the field of statutory interpretation. He is an excellent teacher who will make valuable contributions to the Law School curriculum.
Springer, David	Social Work		Fall 2023	Ph.D., FSU Social Work	Hired away from University of Texas to be the Dean of FSU's College of Social Work. He is a highly accomplished researcher and teacher of youth development and mental health as they relate to delinquency.
Wu, Huixuan	Engineering	Mechanical Engineering	Fall 2023	Ph.D. in Mechanical Engineering John Hopkins University	His expertise in propulsion will significantly contribute to the mechanical engineering department and FCAAP. He is a highly accomplished researcher with substantial grant funding and prestigious awards.
Yi, Hongtao	SS&PP	Public Administration	Fall 2023	Ph.D. in Public Administration Florida State University	One of the most accomplished mid-career scholars in the field of public administration, joining FSU after a distinguished decade-long career at Ohio State University. He is a prolific scholar and serves as Editor of Public Administration Review, the leading journal in the field.

**Annual Tenure Review Candidates**

Name	College	Department	Hire Date	Degree and Institution	Bio
Anubi, Olugbenga Moses	Engineering	Electrical & Computer Engineering	Fall 2018	Ph.D. in Mechanical Engineering University of Florida	Earned national and international recognition in advanced controls, autonomous systems, and cyber-physical systems, practical applications include power systems, wind turbines, road vehicle suspension systems & electric ships; successfully secured substantial external funding, enriched the course portfolio for FAMU-FSU Engineering students, and exhibited exemplary professional service.
Arespachoga, Rosario Lourdes Rodriguez	Fine Arts	School of Theatre	Fall 2018	MFA in Theatre, Directing University of Victoria	Accomplished theatre director with a strong record of publications and juried and invited presentations; excellent teaching evaluations, serves as director of the BA in Acting, a program that is highly selective and produces successful alumni along with its curricular partner, the BA in Music Theatre.
Atwood, Alyssa Regine	A&S	Earth, Ocean & Atmospheric Science	Spring 2019	Ph.D. in Oceanography University of Washington	Climate scientist whose work links historical climate-related data to current observations, leading expert on recovering data from coral reefs; excellent record of publications, awards and external funding including the prestigious NSF Career Award and 5 five additional NSF grants funded during her assistant professorship. Outstanding outside letters from experts in her field.

Tenure Candidates  
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Name	College	Department	Hire Date	Degree and Institution	Bio
Bahorski, Jessica	Nursing		Fall 2018	Ph.D. in Nursing University of Alabama at Birmingham	Productive research and scholarship agenda (12 publications and 10 funded grants) in maternal health and infant feeding; very active in teaching and service to the college, university, community, and professional organizations as evidenced by her extensive teaching activities in both undergraduate and DNP programs, and service activities; serves as the President of the Tallahassee Area Council of Advanced Practice Nurses.
Bick, Tenley C	Fine Arts	Art History	Fall 2018	Ph.D. in Art History University of California, Los Angeles	Noted scholar of late 20th and early 21st century Italian art and its colonial impacts in Africa and beyond with an impressive record of publications and outstanding letters from experts in her field of study. She has been a major contributor in curriculum development and developed into an effective teacher and successful mentor (one of her Ph.D. students received a Fulbright award and another was offered a faculty position).
Braithwaite, David William	A&S	Psychology	Fall 2018	Ph.D. in Psychology and Cognitive Science Indiana University, Bloomington	Developmental psychologist whose research focuses on learning mathematical and reasoning skills; excels in experimental design and data analysis; has an impressive publication and funding record (NSF); Outside letters are excellent. He is a highly regarded teacher and mentor and his service to the university and discipline meets or exceeds expectations.
Buggs, Shantel Gabrieal	SS&PP	Sociology	Fall 2017	Ph.D. in Sociology The University of Texas at Austin	Strong national reputation for her research on race, gender, and intimate relationships; 11 peer-reviewed articles, an edited book, several edited journal special issues, and multiple book chapters and presentations at professional meetings. Excellent letters from experts in her field. Award-winning teacher who actively engages students in research; she is a core faculty member in the African American Studies program.
Changlani, Hitesh Jaiprakash	A&S	Physics	Fall 2018	Ph.D. in Physics Cornell University	A condensed matter theorist working on the dynamics of quantum spin phenomena in materials; outside letters are uniformly excellent and place his work at the very center of efforts to understand “strongly correlated quantum systems” and “geometrically frustrated magnets,” important components of modern condensed matter physics. Strong publication record (17 peer-reviewed articles); NSF CAREER awardee. Excellent teaching record that includes delivering both entry-level and advanced courses.

Tenure Candidates  
2024

Name	College	Department	Hire Date	Degree and Institution	Bio
Choi, Juyeong	Engineering	Civil & Environmental Engineering	Fall 2018	Ph.D in Construction Engineering and Management Purdue University	Research focuses on enhancing community resilience and reducing the environmental impacts of disaster events; developed advanced composite index frameworks to aid intricate infrastructure planning, and simulation-based models to enhance disaster debris planning. Strong record of external funding of his research, along with sustainable demolition/reconstruction planning tools. 4 research grants. valued at approximately \$2.5M, with \$1.9M serving as the Principal Investigator, including a highly prestigious CAREER Award from the National Science Foundation. Excellent teacher and mentor.
Coggeshall, Elizabeth	A&S	Modern Languages & Linguistics	Spring 2017	Ph.D. in Italian Stanford University	Medieval literature and Italian studies scholar whose book on Dante received very positive reviews. She's taken a leadership role in digital humanities through her work on a dynamic web archive which she co-directs with a colleague at Johns Hopkins. Excellent outside letters attesting to her national recognition in the field. She is an award-winning teacher who has excelled in the classroom and as a mentor.
Dale, Katherine Raines	CCI	School of Communication	Fall 2018	Ph.D. in Communication The Ohio State University	High productivity, quality, and impact in her research in positive media psychology. approximately 800 citations to her work since 2018, very impressive for a scholar at this stage. Very highly rated for her teaching and has a solid record of course development and re-design, having taught five unique courses, re-designed two of them, and developed a new course in positive media psychology.
Detweiler, David Earl	Music		Fall 2017	DMA in Music, Jazz Studies; Eastman School of Music, University of Rochester	Jazz saxophonist with an impressive record of achievement; dedicated and devoted teacher who serves as an outstanding model for his students. Internal and external evaluators noted his rare combination of performance and scholarship is at the highest levels.
Du, Wenjie James	EHHS	Sport Management	Fall 2017	Ph.D. in Business Administration, Sport Management; Temple University	Focuses on interdisciplinary studies between sport management and public health, with a focus on the positive role of sports health and well-being; strong record of publications; excellent teacher and mentor.
Farhat, Aseel	A&S	Mathematics	Fall 2018	Ph.D. in Mathematics; University of California, Irvine	Applied mathematician with expertise in analysis of partial differential equations (PDEs); her NSF-funded research focuses on understanding fluid dynamics with applications to atmospheric science and aerospace engineering. Teaches undergraduate and graduate courses with very positive results and is highly active in the doctoral program, supervising three Ph.D. students while serving on the committees of 15 more.

Tenure Candidates  
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Name	College	Department	Hire Date	Degree and Institution	Bio
Ferchaud, Arienne Marie	CCI	School of Communication	Fall 2018	Ph.D. in Mass Communications; Pennsylvania State University	A media psychologist devoted to exploring the ways individuals select, interact with, and process entertainment media; her work has been recognized in several impressive ways including through a McKnight Junior Faculty fellowship and two national top paper awards from the National Communication Association. Excellent and highly sought-after teacher.
Gazelle, Heidi	EHHS	Human Development & Family Science	Fall 2018	Ph.D in Developmental and Socialization Processes; University of Illinois at Urbana-Champaign	A child development expert who publishes well-cited articles in high impact journals and, in the process, has made a meaningful contribution to developmental science. Her research is funded by NICHD. She receives positive evaluations of teaching from both undergraduate and graduate students.
Goldmark, Matthew Aaron	A&S	Modern Languages & Linguistics	Fall 2017	Ph.D. in Hispanic Studies; University of Pennsylvania	Latin American literature and culture scholar whose research focuses on 16 <sup>th</sup> /17 <sup>th</sup> century Spanish colonies. His recently published book received very positive reviews, also published six journal articles and several book chapters. Receives very positive student evaluations of teaching and makes important contributions to curriculum development (created 7 new courses, remarkable for an Assistant Professor).
Hall-Mills, Shannon Sara Jean	CCI	School of Communication Disorders	Fall 2018	Ph.D. In Communication Science & Disorders, Florida State University	Expert in the development of written language assessment and intervention protocols for school-age children and adolescents who are experiencing language and learning difficulties. Her research is rigorous, clearly presented, and highly practical. Excellent teacher who incorporates research-based practices into her courses highly relevant to the field of speech-language pathology.
Herdova, Marcela	A&S	Philosophy	Fall 2018	Ph.D. in Philosophy, King's College in London	Studies moral psychology and the philosophy of action; highly productive with 6 journal articles, several book chapters, and a book. Excellent teacher who is highly rated by students.
Hubicki, Christian M	Engineering	Mechanical Engineering	Fall 2018	Ph.D. in Mechanical Engineering, Oregon State University	An experimental roboticist who excels in marrying theory with real-world application. Has secured external funding for his research and is presenting and publishing in top-tier outlets. Outside letters attest to his status as a rising star in the field whose work has resulted in early career awards. He is a highly regarded teacher and mentor and has a strong record of service.
Ibourk, Amal	EHHS	School of Teacher Education	Fall 2017	Ph.D. in Curriculum, Instruction and Educational Policy, Michigan State University	Expert in the area of science teaching; well published and garnered external funding (NSF CAREER) for her work. Strong contributions in teaching and mentoring.

Tenure Candidates  
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Name	College	Department	Hire Date	Degree and Institution	Bio
Jones, Gregory Roy	Music		Fall 2020	DMA in Music Performance and Literature, Trumpet Performance Eastman School of Music, University of Rochester	Hired as Associate Dean and Professor , with outstanding letters of recommendations from experts in his field attesting to his attainment of national recognition for his creative works and scholarship. Since joining the FSU faculty, he has made strong contributions to teaching, research, and service.
Kim, Youngan	Criminology		Fall 2018	Ph.D. in Criminology University of California, Irvine	An expert in the study of crime, places, and communities. His research publications demonstrate his excellent analytical and statistical skills. Very positive outside letters. Strong record of teaching and service.
Kim, Yunjung	CCI	School of Communication Disorders	Fall 2020	Ph.D. in Communicative Disorders University of Wisconsin-Madison	Studies speech intelligibility among those with neurogenic conditions. Important translational research that includes basic lab studies and clinical trials. Has a strong international reputation and external funding. Positive contributions to teaching and service.
Large, Karen McLaughlin	Music		Fall 2018	DM in Flute Performance Florida State University	Flutist who has demonstrated excellence as a performer and and as a highly effective and teacher and mentor. Received excellent letters from experts in her field; highly engaged with service to the college and profession.
Marks, Laura Michelle Reid	EHHS	Educational Psychology & Learning Systems	Fall 2019	Ph.D. in Counseling Psychology Purdue University	Highly successful behavioral health researcher with NIH R21 and K23 awards. Received outstanding letters from experts in her field. Demonstrated effectiveness in teaching and mentoring and has a solid record of service to the FSU and her profession.
Martinez Hyde, Yolany	Medicine	Behavioral Science and Social Medicine	Fall 2018	Ph.D. in Hispanic Literature, Language and Culture University of Oklahoma	Leads the Medical Spanish curriculum in the Medicine. She excels in teaching medical Spanish and is highly effective in meeting the needs of students with varying levels of fluency. She received strong letters from outside reviews; Currently sServes as president of the SW Council of Latin American Studies.
McLane, Yelena	Fine Arts	Interior Architecture & Design	Fall 2018	Ph.D. in Art Education Florida State University	Highly productive scholar with an award-winning book (2022 Interior Design Educators Council Book Award); important work on the role of design in addressing homelessness. Excellent teacher who recently received an Honors in the Major Teaching Award; high level of excellent service to the department and profession.
McTighe, Laura	A&S	Religion	Fall 2019	Ph.D. in Religion Columbia University	Community-engaged scholar and ethnographer of race, religion, gender, and social movements; book published by top-tier press; successful in securing external funding from the Luce Foundation. Popular, award-winning teacher and highly sought after dissertation supervisor.

Tenure Candidates  
2024

Name	College	Department	Hire Date	Degree and Institution	Bio
Mehta, Jayur M	A&S	Anthropology	Fall 2018	Ph.D. in Anthropology Tulane University	Archaeologist of the southeastern US, projects include studies of the Mississippi River valley and Delta regions and of gulf coast communities. Experts in his discipline praised his productivity and breadth of work. Excels as a teacher, invigorated Anthropology's degree offerings. Strong contributor in service to FSU.
Mewhinney, Matthew Stanhope	A&S	Modern Languages & Linguistics	Fall 2019	Ph.D. in Japanese Language University of California, Berkley	Japanese literature, East Asian studies, and comparative literature scholar; recently published book has been positively reviewed, also has multiple journal articles; Positive letters from experts in his field. Fills a central role in expanding curricular offerings in the Japanese program, high quality classroom teacher.
Nienhaus, Lea	A&S	Chemistry & Biochemistry	Fall 2018	Ph.D. in Chemistry University of Illinois at Urbana-Champaign	Researcher at the intersection of chemistry and physics focused on understanding energy conversion of the type found in solar energy technology and the building of efficient semi-conductors. Recognized as a rising star, high praise from outside reviewers, very successful record of funding including NSF CAREER award & Camille Dreyfus Teacher-Scholar Award. Strong contributions in teaching and service.
Ou, Kai	SS&PP	Political Science	Fall 2016	Ph.D. in Politics New York University	His research is at the nexus of behavioral political economics, hired as part of an experimental and behavioral political economics cluster in the college. Outside letters were very positive. Evidence of excellence in classroom teaching and mentoring graduate students (won a College Teaching Award).
Parfitt, Rhys	A&S	Earth, Ocean & Atmospheric Science	Spring 2019	Ph.D. in Physics Imperial College London	A climate scientist whose work bridges meteorology and oceanography; Excellent record of publications in top journals; Well-funded from multiple agencies (NOAA, NASA, NSF). Popular teacher, developed several new courses and serves on many student committees.
Philip Gentry, Anne Elissa	Law		Fall 2019	Ph.D in Law and Economics Vanderbilt University	Experts in her field note that she is well-known in the empirical health law field for being a careful, insightful, and thorough empiricist. Her main areas of study are health law and law & economics. Evidence of excellence in teaching and service.
Rieger, Eric	Music		Fall 2020	D.M.A. in Voice Performance and Literature Eastman School of Music of University of Rochester	Started at FSU in 2020 with a wealth of teaching experience (had earned promotion and tenure at another prestigious music program). He is in the voice area, has extensive performance experience, nationally and internationally. Excellent in teaching and mentoring as evidenced by the success of his students.
Rodgers, Luke P	SS&PP	Economics	Fall 2017	Ph.D. in Economics The University of Texas at Austin	Publishes in top-tier journals in the discipline (something noted by most of the outside referees). Unlike many economists, fully half of his published work is solo authored, which establishes with clarity his authorship credit and demonstrates his intellectual independence. He is an outstanding teacher, excellent colleague, sought out mentor and advisor.

Tenure Candidates  
2024

Name	College	Department	Hire Date	Degree and Institution	Bio
Romney, Miles A	Business	Accounting	Fall 2016	Ph.D. in Accounting Michigan State University	Outside reviewers praised his scholarship highlighting his ability to conduct high quality research on topics that are important to the profession, including practice and academia. He is an excellent teacher, supported by positive student evaluations and makes valuable contributions to service to the College and his profession.
Singh, Sourabh	SS&PP	Sociology	Fall 2018	Ph.D. in Sociology Rutgers, The State University of New Jersey	Studies relationships between social environments and government policies with a focus on India. He published 15 peer-reviewed articles, 7 since joining FSU; all are solo-authored, a rather remarkable achievement for a scholar at his career stage. He is an outstanding teacher (won the Department Teaching Award) and is a valued mentor/advisor for graduate students. Highly engaged in service in the department and discipline.
Sleeper, Clinton	Fine Arts	Art Department	Fall 2017	MFA in Art and Technology Simon Fraser University	Contemporary artist known for using cutting-edge technologies in the production, exhibition, and ongoing dissemination of his art. He shows his work in prestigious venues and has received numerous awards and competitive artist residencies. His teaching includes a breadth of courses that enrich the curriculum and student evaluations of his teaching are very positive.
Speed Jr, George Maurice	Music		Fall 2019	M.M. in Bass Performance Boston University	Positive impact on the quantity and quality of FSU's Bass Studio; in high demand as a performer as an orchestral and chamber musician; performs at prestigious venues that bring national visibility. Excellent teacher and highly engaged in service to the College and profession.
Springer, Douglas Gregory	Music		Fall 2018	Ph.D. in Music Education University of Kentucky	Expertise in music education and music therapy. As noted by external reviewers, he is a prolific author, recognized nationally for the quality and quantity of his research publications. He is well regarded as a teacher, with consistently high course student ratings, and is highly engaged with service to the college and the profession.
Springer, Jeffrey A	Music		Fall 2018	D.M.A. in Voice The Catholic University of America	His area of expertise is Voice and Opera. He joined FSU after years of extensive performing experience and, upon receiving his doctorate, has transitioned to an academic career. He is an award-winning teacher (FSU Teaching Award in 2022-23). External reviewers noted his impressive list of international and national performances.
Steiner, Jennifer	EHHS	Health, Nutrition, and Food Sciences	Fall 2018	Ph.D. in Physiology-Exercise Science University of South Carolina	Expert on the role of nutrition and exercise in prevention/treatment of disease. External reviewers noted the high quality and quantity of research publications and impressive record of external funding. She is an excellent teacher as supported by very positive evaluations of her teaching by students and is an popular and effective mentor of graduate students.

Tenure Candidates  
2024

Name	College	Department	Hire Date	Degree and Institution	Bio
Sullivan, Margaret Ann	CCI	School of Information	Fall 2020	Ph.D. in Library and Information Science University of South Carolina	External reviewers noted her extremely high productivity and impact in research focused on health, including evidence of having received international recognition and substantial external funding of her work. She is a highly effective teacher who has been active in developing new courses and has been a positive contributor in service to the college and her profession.
Sun, Yanshuo	Engineering	Industrial & Manufacturing Engineering	Fall 2018	Ph.D. in Civil Engineering University of Maryland	Expert in applications of mathematical programming in transportation, logistics, and supply chains. External reviewers note his high productivity in terms of publications and success in securing research funding from multiple agencies including NSF, EPA, and FDOT. Evaluations of his teaching are very positive as are his contributions in service to the college and his profession.
Thomas, Aaron Christopher	Fine Arts	School of Theatre	Fall 2018	Ph.D. in Theatre Florida State University	Directs the BA in Theatre program and is a popular and effective teacher. He's published two books along with multiple journal articles, including some invited ones, in top outlets. He serves as associate editor of a leading journal in his field. External letter writers note that he has an enviable record as an assistant professor.
Tobioka, Kohsaku	A&S	Physics	Fall 2018	Ph.D. in Physics University of Tokyo, Kavli Institute for the Physics and Mathematics of the Universe	He is a theorist working in the general area of high-energy physics; his research, supported by the Dept. of Energy, focuses on the search for new particles and evidence of supersymmetry by making use of data generated at the Large Hydron Collider CERN). External reviewers attest to his having established national visibility. He is an effective teacher and mentor of graduate students and contributes in service to the department and discipline.
Wu, Qiong	EHHS	Human Development & Family Science	Fall 2018	Ph.D. in Human Development and Family Science The Ohio State University	Her research focuses on understanding emotional processes in families and the intergenerational transmission of psychopathology. External reviewers described her research as cutting-edge, interdisciplinary, and prodigious (46 articles, 22 1 <sup>st</sup> -authored). She is an effective teacher and mentor who provide clinical supervision for the Marriage and Family Therapy program. She has a positive record of service to the department and discipline.
Yang, Fan	SS&PP	Economics	Fall 2018	Ph.D. in Economics University of Southern California	High quality of publications in top tier econometrics journals. She is an award-winning teacher and an engaged departmental citizen.
Zhang, Xiaobing	A&S	Psychology	Fall 2018	Ph.D. in Neurobiology University of Science and Technology of China	Neuroscientist focused on neurocircuitry that governs feeding and eating. External reviewers noted high quality, high impact publications and very successful record of grant support (PI on 2 RO1's). He is a strong teacher who plays a vital role in the growing undergraduate NS degree program and is a good mentor of doctoral students.



Tenure Candidates  
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Name	College	Department	Hire Date	Degree and Institution	Bio
Zimmerman, Aleksandra	Business	Accounting	Fall 2019	Ph.D. in Management Case Western Reserve University	Expert in the subfield of auditing. External reviewers noted that she has been very successful in publishing and well on her way to having a national reputation. She is an excellent teacher who receives positive student ratings. Her service to the college and profession are strong.



FLORIDA STATE UNIVERSITY  
BOARD OF TRUSTEES

# ACTION ITEM C



# FLORIDA STATE UNIVERSITY

## BOARD OF TRUSTEES

### *Finance and Business Committee*

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#### **ACTION ITEM C**

**June 20, 2024**

**SUBJECT:** 2024-2025 Operating Budget

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#### **PROPOSED COMMITTEE ACTION**

1. Approve the University's fiscal year 2024-2025 operating budget of \$2,839,938,437 which includes \$519,758,280 for the Annual Capital Outlay Budget.
2. Approve the University's fiscal year 2024-2025 Florida Medical Practice Plan operating budget of \$13,528,471.
3. Approve the University's fiscal year 2024-2025 Direct Support Organizations operating budgets totaling \$148,926,156.
4. Grant approval for the President to make subsequent changes to the budgets outlined in motions 1, 2, and 3, as needed during the fiscal year, within available resources and fund balances, and consistent with applicable laws and regulations.
5. Continue the existing Tuition and Fee Regulation at current rates for fiscal year 2024-2025 and approve an amendment of the current regulation to that effect.

#### **AUTHORITY FOR BOARD OF TRUSTEES ACTION**

Required by Florida Statute 1011.40 *Budgets for universities* and Board of Governors Regulation 9.007 *State University Operating Budgets and Requests*.

#### **BACKGROUND INFORMATION**

Per the statute and regulation referenced above, each University Board of Trustees shall adopt an operating budget for the operation of the university as prescribed by law and the regulations of the Board of Governors. The statute also requires that the proposed expenditures, transfers, and balances do not exceed the estimated income, transfers, and balances.

### **ADDITIONAL COMMITTEE CONSIDERATIONS**

The operating budget will be submitted to the Board of Governors using their required templates and formats in August 2024 for consideration at their September 2024 meeting.

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#### **Supporting Documentation Included:**

**Submitted by:** Kyle Clark, Senior Vice President for Finance & Administration