

2020-21 LBR Reporting Form I

University of West Florida

A Cyber Coast for Florida's Future

Responses to Board of Governors Questions:

1. Please specify whether there are any program-specific rankings or recognitions that would demonstrate an elevation of this program?

- NSA/DHS Centers of Academic Excellence (CAE) Cyber Defense designation for B.S. in Cybersecurity program (maintain)
- NSA/DHS CAE Regional Resource Center for the Southeast U.S. (maintain)
- NSA/DHS CAE Cyber Defense designation for B.S. in IT program (achieve)
- NSA/DHS CAE Cyber Defense designation for M.S. in Cybersecurity program (achieve)
- ABET accreditation for undergraduate Cybersecurity and IT programs (achieve)
- NSA/DHS CAE Cyber Operations designation for B.S. in Cybersecurity program (achieve)

2. Re-review the metrics provided and if necessary revise as follows.

a. Only include program-specific, numeric metrics and rankings that align with the requirements outlined in the August 30 email and specify which proposed metrics meet which requirements.

Year 1 metric: must demonstrate year 1 accomplishment or success:

- Establish Multidisciplinary Cybersecurity degree programs and Department of Cybersecurity
- Increase enrollment to 217 B.S. cyber, 5 M.S. cyber and 681 cyber-related degree programs; award 30 B.S. cyber degrees and 160 cyber-related degrees
- Provide 60 industry certifications, 120 industry training courses and 30 industry training courses for veterans

At least two metrics to demonstrate a return on investment:

- Year 1: Increase enrollment to 217 B.S. Cyber, 5 M.S. Cyber and 681 Cyber-related degree programs; award 30 B.S. Cyber degrees and 160 Cyber-related degrees

- Years 2 - 5: Enrollment in B.S. Cyber, M.S. Cyber, and Cyber-related degree programs increased to 1550; awarded degrees for Cyber and Cyber-related programs increased to 415
- Year 1: Provide 60 industry certifications, 120 industry training courses, and 30 industry training courses for veterans
- Years 2 - 5: Provide 120 industry certifications, 240 industry training courses, and 80 industry training courses for veterans

Metrics that demonstrate the program has improved over time:

- Increase number of degrees awarded in Cyber and Cyber-related programs to 415 (from 190 in Year 1)
- 50 percent graduates of Cyber and Cyber-related programs received industry certification
- Increase number of qualified cybersecurity professionals in year 1 by 210 and in years 2 - 5 by 440

Metrics and/or rankings to demonstrate programs elevation to excellence and prominence:

- B.S. in Cybersecurity program receives ABET accreditation
- NSA/DHS CAE Cyber Defense designation for B.S. in IT and M.S. in Cyber programs
- NSA/DHS CAE Cyber Operations designation for B.S. in Cybersecurity program

b. Please include sources of rankings and if known how many other SUS programs are ranked. Example if 8th in FL, 8th of how many programs?

NSA/DHS CAE Regional Resource Center for the Southeast U.S.

- Source: NSA/DHS
- UWF is the only SUS institution (and Southeast U.S. institution) with this designation

NSA/DHS Centers of Academic Excellence (CAE) in Cyber D Designation

- Source: NSA/DHS
- 9 SUS institutions have this designation

ABET Accreditation – Cybersecurity

- Source: ABET
- UWF would be the only SUS institution with this accreditation

c. Do not include institution-level rankings, metrics, or action steps.

Noted

3. Please provide additional information on the spending plan outlined in Form II

a. What are the new labs mentioned in the narrative and where are they accounted for in Form II?

- Cyber Physical Lab and Cyber Forensics Lab
- Immersive Cybersecurity Learning Lab
- Cybersecurity Research, Testing and Evaluation Lab

Labs will support education and training programs, and undergraduate and graduate research.

Form II: Estimated cost of equipment is included in the OCO and expenses categories. Estimates include life cycle funding to maintain the labs.

b. Will the new labs require additional facilities or space? No

c. Provide more detail on the financial aid awards on page 6.

The financial awards are three types of scholarships:

- Cyber and Cyber-related FTIC 4-year Scholarship - \$10,000 where \$2,500 is awarded each of 4 years assuming eligibility requirements are met
- Cyber and Cyber-related Transfer 2-year Scholarship - \$5,000 where \$2,500 is awarded each of 2 years assuming eligibility criteria are met
- Certification Scholarships - \$1,500 to complete industry certification

The eligibility requirements for the FTIC 4-year Scholarship are:

- Year 1: HS GPA 3.5, FTIC cohort student, Cyber or Cyber-related major, and enrolled for 15 hours in first Fall semester
- Year 2: UWF GPA 2.5, completed 30 hours in first year, enrolled for 12 hours in second Fall semester
- Year 3: UWF GPA 2.5, completed 60 hours, enrolled for 12 hours in third Fall semester
- Year 4: UWF GPA 2.5, completed 90 hours, enrolled for 12 hours in fourth Fall semester, and expected to graduate by following Summer semester

The eligibility requirements for the Transfer 2-year Scholarship are:

- Year 1: HS GPA 3.5, FTIC cohort student, Cyber or Cyber-related major, and enrolled for 15 hours in first Fall semester
- Year 2: UWF GPA 2.5, completed 30 hours in first year, enrolled for 12 hours in second Fall semester, and expected to graduate by following Summer semester

In addition, some stipends will be provided to support industry certification and training for students, including veterans and underrepresented minorities.

d. Under the expenses category please provide more detail on what is included.

Expenses include support for the newly established Department of Cybersecurity and for the Center for Cybersecurity, including operating expenses, materials, supplies, marketing, the Florida Cyber Range and graduate student success initiatives such as internships. Also included in expenses is \$1.6 million in student industry certification and training course stipends for Cybersecurity for All (360 at \$1,500), the Veteran's Program (100 at \$5,000), and Industry Certifications (240 at \$2,500).

e. What is included under other personal services?

Temporary personnel including administrative, technical support and graduate assistants. Student stipends for participating in the Hal Marcus College of Science and Engineering Summer Undergraduate Research Program and the HMCSE Research Experience Away Program are included - specifically, 20 SURP positions at \$2,500/student and eight REAP positions at \$5,000/student.

f. Is hiring 29 faculty in one year realistic?

For the Center, a total of nine faculty will be hired, four faculty will be hired in year one and five additional faculty in year two.

For the Hal Marcus College of Science and Engineering, a total of 20 faculty will be hired, eight faculty will be hired in year one and 12 additional faculty hired in year two.

