



---

# **Post-Secondary Education Subcommittee**

**February 23, 2017**

**10:00 AM**

**Mashburn Hall (306 HOB)**

**Meeting Packet**

**Richard Corcoran  
Speaker**

**Elizabeth Porter  
Chair**



## AGENDA

Post-Secondary Education Subcommittee  
Thursday, February 23, 2017  
10:00 a.m. – 12:00 p.m.  
306 HOB

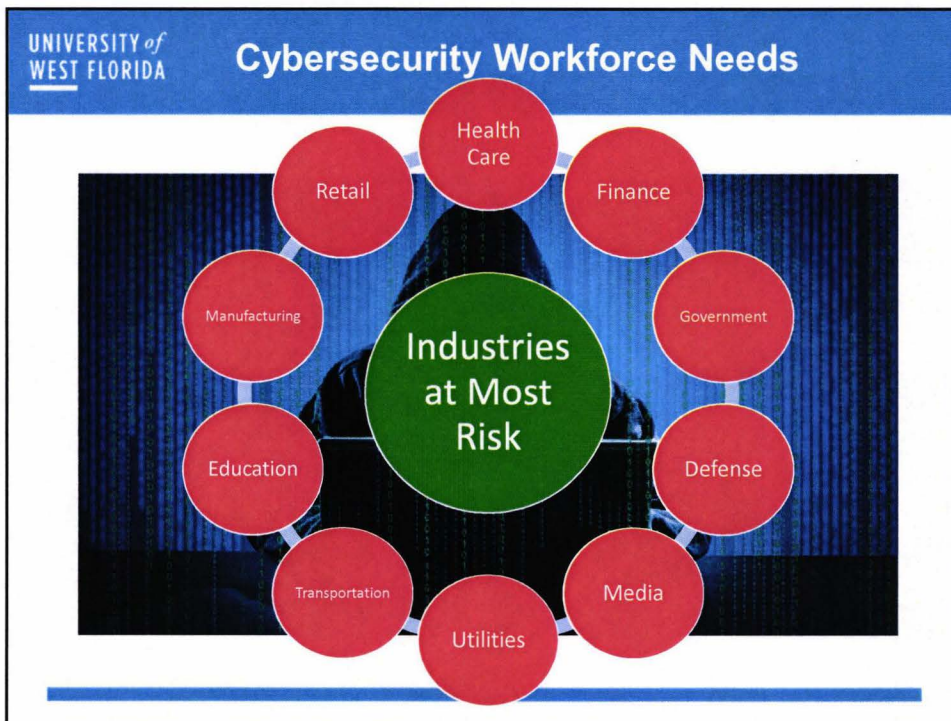
- I. Call to Order and Roll Call
- II. Opening Remarks
- III. Presentation on Cyber Security
  - Dr. Eman El-Sheikh, Director, Cyber Security Center, University of West Florida
- IV. Presentation on Free Speech on College Campuses
  - Dr. Stanley Kurtz, Senior Fellow, Ethics and Policy Center
- V. Update on the Florida Construction Workforce Task Force
  - Mr. Peter Dyga, President and CEO, ABC East Coast Chapter and Chairman, Construction Workforce Task Force
  - Dr. Jim Sullivan, Director of Undergraduate Programs, Rinker School of Construction Management, University of Florida
  - Ms. Jennifer Wilkerson, Director of Marketing, PR, and Build Your Future, National Center for Construction Education & Research (NCCER)
  - Mr. Rod Duckworth, Chancellor, Division of Career and Adult Education, Florida Department of Education
- VI. Closing Remarks



# UNIVERSITY *of* WEST FLORIDA

**Center for Cybersecurity**  
Eman El-Sheikh, Ph.D.

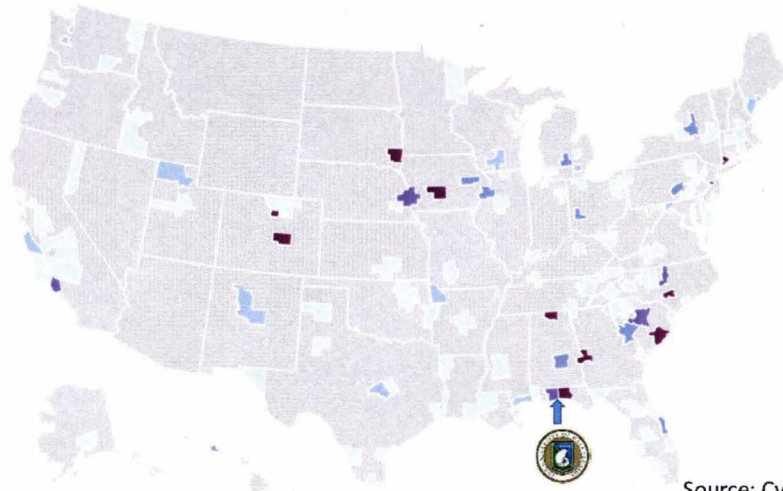
**Presentation for Florida House of Representatives  
Postsecondary Education Subcommittee  
February 23, 2017**





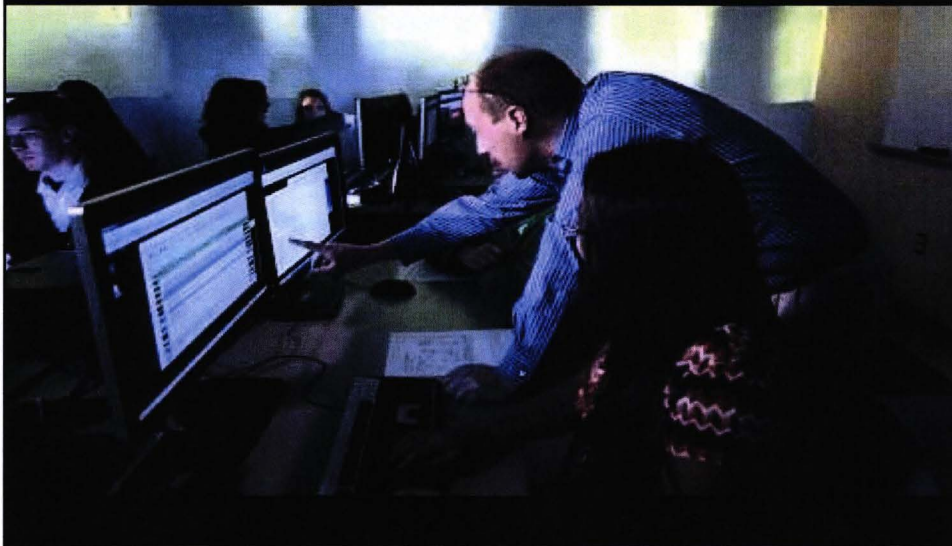
## Cybersecurity Job Demand: Northwest Florida

High job demand concentration relative to national average



Source: Cyberseek.org

## UWF Cybersecurity



## UWF: Leading Cybersecurity Workforce Development

### Become a National Leader in Cybersecurity Workforce Development

Engage school districts, colleges, universities and workforce boards toward a common goal

Connect education, business, industry and government partners

Develop innovative programs, flexible pathways and partnerships that support workforce needs



## UWF Multidisciplinary Programs

### UWF's unique multidisciplinary cybersecurity approach:

#### Undergraduate Programs:

- BS in Computing and Information Sciences: [Cybersecurity](#)
- BS in Information Technology: [Network Systems Operations](#)
- BA in International Studies: [Security and Diplomacy](#)

#### Graduate Programs:

- MS in Information Technology: [Cybersecurity](#)
- MS in Computer Science: [Cybersecurity](#)
- MA in Political Science: [Security and Diplomacy](#)
- MBA: [Information Security Management](#)

#### Certificate Programs:

- [Cybersecurity](#)
- [Intelligence Analysis](#)
- [Geospatial Cybersecurity](#)
- [Information Security Management](#)



## UWF Student Engagement & Success



- Undergraduate research
- Cyber competitions
- Cyber Club
  - Won 1<sup>st</sup> place at NWFL & FL competitions
- Scholarships
- Internships and co-ops
- Industry certifications
- Professional organizations: ACM, ACM-W, AIS, AITP, IEEE
- Capstone projects

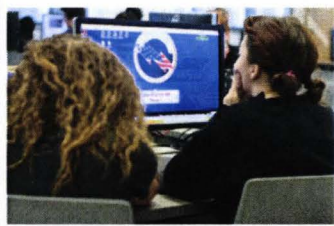
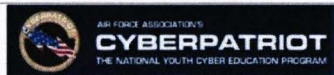
## UWF Pathways to Cyber Program

Cybersecurity education program for high school students and teachers





## K-12 Outreach Programs



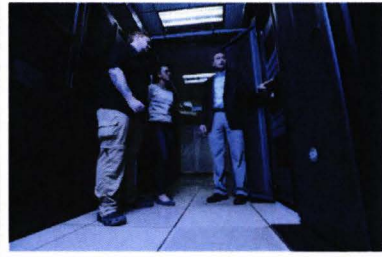
## UWF Cybersecurity Key Partnerships

- Northrop Grumman
- General Dynamics IT
- Navy Federal Credit Union
- Blue Cross
- National Science Foundation
- Security and Software Engineering Research Center
- National Security Agency
- Department of Defense
- Department of Homeland Security
- Institute for Human and Machine Cognition
- Carnegie Mellon University
- University College, Dublin, Ireland



## UWF Cybersecurity Facilities

- Innovative state-of-the-art facilities to support research, instruction, training and outreach
- Includes:
  - Battle Laboratory
  - Cyber Range
  - Data Center



## UWF NSA-DHS CAE-CDE Designation

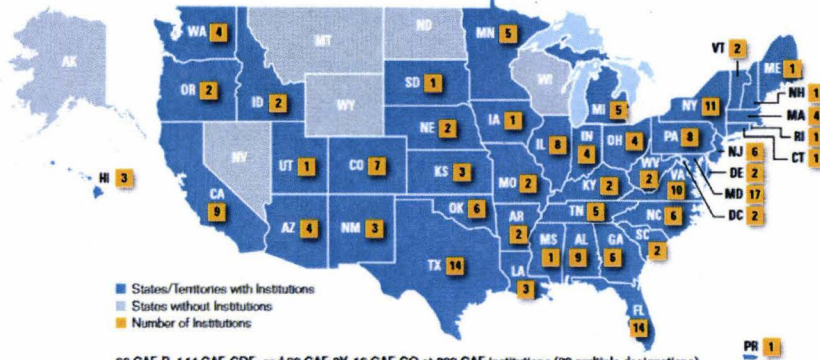
**UWF** is designated by the  
**National Security Agency**  
and  
**Department of Homeland Security**  
as a  
**National Center of Academic Excellence in  
Cyber Defense Education**



## CAE Designated Institutions

### CAE-Cybersecurity Designated Institutions

Map includes both institutions in the CAE-Cyber Defense and CAE-Cyber Operations programs.



66 CAE-R, 144 CAE-CDE, and 38 CAE-2Y, 16 CAE-CO at 209 CAE institutions (39 multiple designations) in 44 states + District of Columbia and Commonwealth of Puerto Rico  
[https://www.iad.gov/NIET/reports/cae\\_designated\\_institutions.cfm](https://www.iad.gov/NIET/reports/cae_designated_institutions.cfm)

For more information, visit: [www.iad.gov/nietp](http://www.iad.gov/nietp) or contact: [askCAEIAE@nsa.gov](mailto:askCAEIAE@nsa.gov)

## Florida's Cyber Coast

### Cybersecurity Assets in Northwest Florida:

- DHS National Cybersecurity and Communications Integration Center
- NSA National Cryptologic School
- Naval Education and Training Command
- Navy Information Operations Command Pensacola
- Navy Center for Information Warfare Training & Information Warfare Training Command
- Northrup Grumman
- Navy Federal Credit Union
- AppRiver
- CSRA

University of West Florida

**Florida Construction  
Workforce Task Force**

# BUILD YOUR FUTURE GOALS

## 1 Make career and technical education (CTE) a priority in secondary schools.

The path to success can start with a CTE program in high school. With an 18% higher graduation rate, CTE provides direct correlation to the job market, rather than a broad field of study with no technical skill training.



## 2 Provide a path from ambition, to training, to job placement as a craft professional.

By 2018, fields like construction and manufacturing will provide nearly 8 million job openings, 2.7 million of which will require a post-secondary credential. (Pathways to Prosperity, Harvard Graduate School of Education).



## 3 Shift negative public perception about careers in the construction industry to reflect the wide range of professions available.

For five straight years, 'Skilled Crafts' have remained the toughest positions to fill. This is in spite of the industry's upward mobility and high earning potential.



BUILD YOUR FUTURE. BUILD



# NATIONAL RESOURCES

- **Teacher Resources (Downloadable)**
  - Posters, trading Cards, videos, best practices
- **Interactive Website**
- **Videos**
- **Military Initiative**
- **Career Day Planning**



**CARPENTER** \$43,890 salary

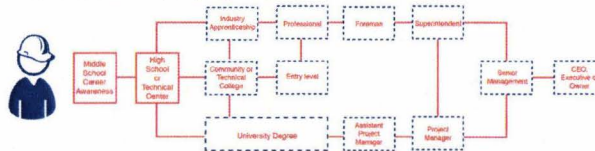
Do you like building, handling and being outdoors? Why not consider a career that is fun and offers financial freedom. Carpenter and related careers include: wood, metal, and masonry structures and built-up construction. Best buildings to high-rise and bridge to power plants.

**Education:**  
One to four years of classroom and on-the-job training.

Scan with your smart phone to find out more at BYF.org

### CONSTRUCTION CAREER PATH

Construction careers in today's market are all about high-tech, high-stakes, huge earning potential and the opportunity to travel the world. Wherever you are in your education, there's a way for you to start training and securing the right credentials now. Below is a basic career path for the construction industry. You can get more details about each step by visiting BYF.org and using our interactive career path. Start building your future now.



BUILD YOUR FUTURE. BUILD



## LOUISIANA SUCCESS

- **BYF: Louisiana**

Became state partner with Build Your Future in 2011.

- Since that time, the state has seen a **94% increase in construction craft program completions.**

- **LCTCS**

**Yearly program completions have increased 145%** since the beginning of BYF's partnership in 2011.

BUILD YOUR FUTURE. BUILD 

## STATE PARTNER HIGHLIGHTS



- 15,000 NEW monthly website visitors
- 1008 high schools requested customized resources
- Video reach -1.1 million viewers, aired over 30,000 times on cable television
- 118 craft professionals trained as ambassadors presented at 52 schools
- 42,000 individuals reached
- 3.9% increase in CTE secondary programs
- Adult Outreach events placed over 50% of applicants

BUILD YOUR FUTURE. BUILD 

**BUILD YOUR FUTURE**

# BUILD YOUR FUTURE INDIANA CRAFT TRAINING CENTERS



**BUILD YOUR FUTURE**

Construction companies will hire more than 61,000 workers in Indiana through 2017. Employers need boilermakers, glaziers, electricians, plumbers, carpenters and many other craft professionals. With several weeks of training, you can qualify for trade craft jobs and start earning great wages and benefits and gain the chance to prosper in a promising career.

Your new career in construction starts here. This site has all the information you need to start working toward a craft profession. You can research wages, learn about skills and training required for various trades, and view and apply for current job openings.

**Tweets**

- Build Your Future IN (@BYFIndiana) Construction trades face worker shortage. [#ConstructionJobs](#) [#Indiana](#)
- Build Your Future IN (@BYFIndiana) Build your future in Indiana. [#TradeJobs](#) [#Indiana](#) [#Apprentice](#) [#VIA](#) [#YouTube](#)

- Digital Trading Cards
- Events
- Training
- Social Media
- Blog
- Magazine

**BUILD YOUR FUTURE. BUILD** 

## LET'S BUILD FLORIDA TOGETHER!



**BUILD  
FLORIDA  
BUILD YOUR  
FUTURE**

Jennifer Wilkerson  
Ashleigh Potuznik

**BUILD YOUR FUTURE. BUILD** 