MCCoE

MISSOURI CYBERSECURITY CENTER OF EXCELLENCE

CyberSecurity Trade Craft

"You will be assimilated. Resistance is futile."

501.c.3 Non-Profit www.MCCoE.org

Sensitive - For Official Use Only

As A Nation, State, Region…

- A growing concern over the lack of technically trained individuals in the Cybersecurity field to fill an ever-growing gap of supply and demand (~2M World-Wide).

- Focus on protecting the 16 Critical Infrastructure Sectors:

Why Do We Need CyberSecurity Professionals?

National Security, Espionage

Nation-state actors
Stuxnet, NotPetya, SolarWinds, REvil

Notoriety, Activism, Defamation

Hactivists
Lulzsec, Anonymous

Monetary Gain

Organized crime
Zeus, ZeroAccess, Ransomware

Nuisance, Curiosity

Insiders, Spam, Script-kiddies
Nigerian 419 Scams, Code Red

Perpetual War!

{* CSO *}

77% of security leaders fear we're in perpetual cyberwar from now on

Also, Charming Kittens from Iran scrape email inboxes, France could fine Google again, and more

Brandon Vigliarolo

Sat 27 Aug 2022 // 07:49 UTC

MCCoE Vision

The MCCoE Secures our regional assets while creating a cybersecurity ready workforce.

The MCCoE is partnered with other National Centers of Excellence such as:

- San Diego Cybersecurity Center of Excellence (SDCCoE - https://sdccoe.org/)
- Merit (https://www.merit.edu/)
- CyberUp (https://wecyberup.org/)
- MOREnet (www.more.net)
- DHS National Imitative Cybersecurity Careers and Studies (NICCS) https://niccs.us-cert.gov/about-niccs/niccs#

The MCCoE is a non-profit, **public-private partnership between Academia, Industry, Non-Profits, and Government**, dedicated to accelerating the region's cyber economy and positioning it as a State hub of cyber innovation. By capitalizing on Springfield's unique location and strengths in this expanding and future-oriented field, the MCCoE aims to grow the regional economy by:

- Provide Cybersecurity Services to the regional community
- Provide educational and career hands-on training and certifications
- Workforce development
- Accelerate innovation – thought leadership fostering collaboration
- Attract and nurture talent
- Create new business opportunities

MCCoE Focus Areas

Public-Private Partnership between Academia, Industry, Non-Profits and Government

Security Operations Center "Protect, Detect, Respond"

Help Non-profits, small-to mid-sized businesses, and government agencies combat and recover from cyber attacks.

Workforce Development

A pipeline for workforce development and placement of University Students into the Cyber Workforce

Accelerate Innovation

A Cyber institute to bring real-time information on the latest cyber trends, security, best practices and resources to better protect the region's systems, networks and critical infrastructure.

Education & Certification

A Cyber Research, Education and Training Center that will conduct research on cybersecurity threats through education programs at MSU, Drury, Evangel, and other schools around the state and nation.

Alignment with Economic Development Office

- Creating and retaining quality jobs
- Increasing Education and Training of Citizens per capita
- Improving the quality of life for all citizens
- Increasing private investment in the community
- Increasing the property tax and sales tax base
- Providing and maintaining public infrastructure

It is a Journey..

Journey Map

	Aware	Study/Learn	Drury Fusion Ctr	MCCoE	Internship	Career
Goals	Wants to obtain a College Degree	Learn Technology Fundamentals	Building Blocks Established	Real Work Experience	Career-Ready	Make World Safer Place
Timeframe	Prior to attending college	Years 1 & 2	Years 2 & 3	Years 3 & 4	Years 3 & 4	Post Graduation
Process						
Channels	Google	Laptop	Cyber Fusion Center	MCCoE	Internships	LinkedIn

Getting Academia Buy In?

OZARKS TECHNICAL COMMUNITY COLLEGE

Office of the Chancellor

October 26, 2021

DRURY UNIVERSITY

OFFICE OF THE PRESIDENT

September 18, 2018

Dear Business Leader:

This letter is to demonstrate Drury University's interest and commitment to help support a public-private Cybersecurity Center that will serve Springfield and the State of Missouri. The University recognizes the talent and skills shortage in cybersecurity and related technology careers, and the impact this has on local employers. This Center is one example of the University's commitment to elevate our collaboration with business in order to meet the workforce development demands.

This Center will be operated by an independent organization, and is planned to be located at the Jordan Valley Innovation Center (JVIC). The Cybersecurity Center is designed as a center of excellence to provide a number of services, but will primarily focus on workforce training and preparing students with the skills needed to immediately influence your business. In addition, the Cybersecurity Center will include an operations center that will help nonprofit organizations and small businesses combat and recover from cyber-attacks. The Center will also conduct research on cybersecurity threats and bring real-time information on the latest cyber trends, security best practices and education resources to business, nonprofits and public entities.

The Center will be operated by a core leadership team of experienced full-time employees, and will be supported by students in order for them to obtain the skills, training, and certifications needed for this demanding and growing field. Experiential learning and training is often the best career preparation. It is estimated that there are about 1,000,000 cybersecurity-related positions currently unfilled. Drury University is committed to help solve this growing issue.

The Cybersecurity Center is not sustainable without industry leaders like yourself. I encourage you and your management team to learn more about this opportunity, and whether this model is something that will help address your workforce development needs. Regardless of your needs, please let me know how Drury University can best assist your business.

Sincerely,

J. Timothy Cloyd, PhD
President

Missouri State University

August 8, 2018

Dear Business Leader:

This letter is to demonstrate Missouri State University's interest and commitment to help support a public-private CyberSecurity Center that will serve Springfield and the State of Missouri. The University recognizes the talent and skills shortage in cybersecurity and related technology careers, and the impacts this has on local employers. This center is one example of the University's commitment to elevate our collaboration with business in order to meet the workforce development demands.

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Very truly yours,

Clifton M. Smart III
President

OFFICE OF THE PRESIDENT

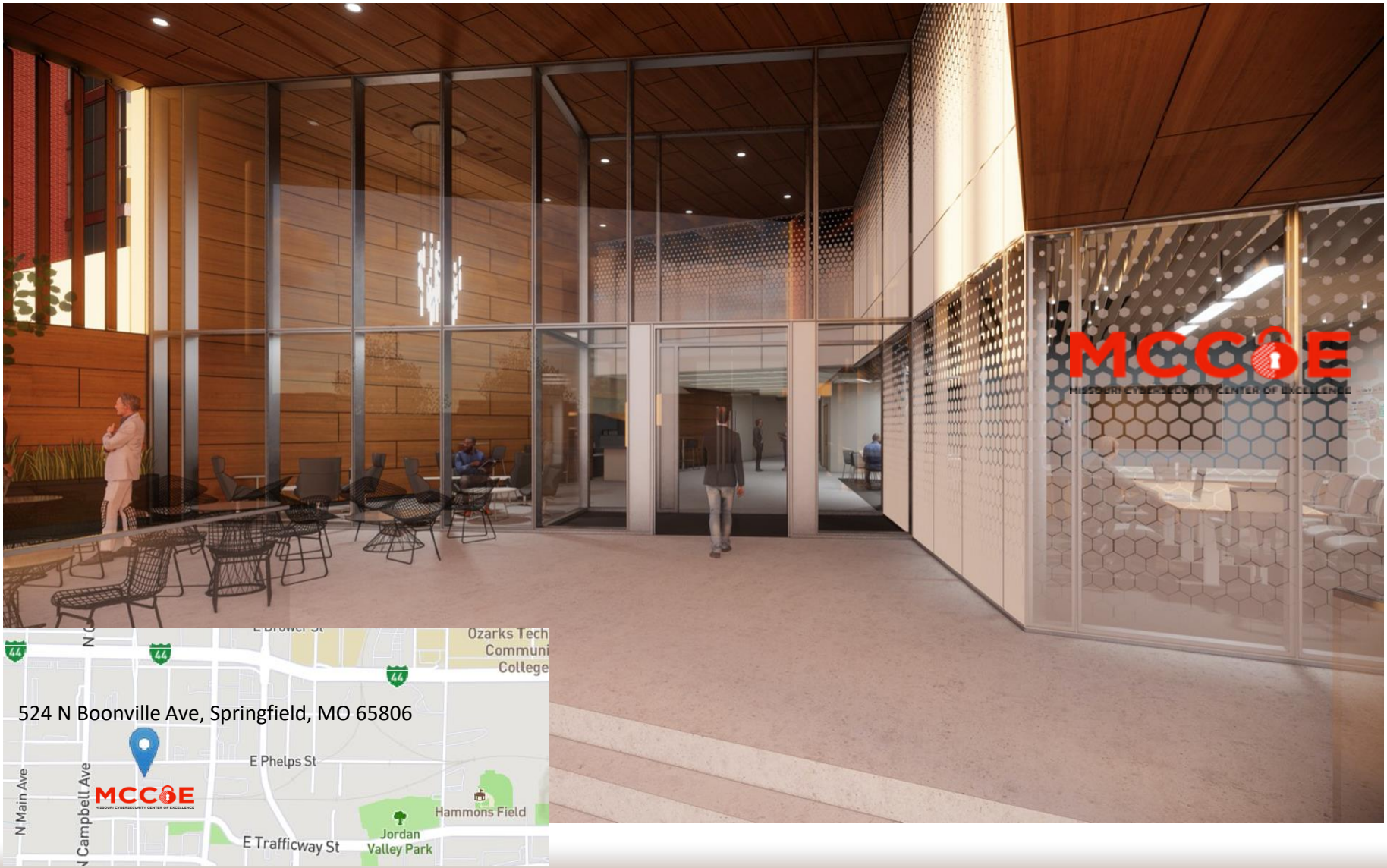
Getting Government Buy In?

Governor Mike Parson @GovParsonMO · 16h

Today, I signed FY22 state operating budget bills that invest in critical infrastructure projects, support stronger communities, fund workforce development priorities, and increase pre-pandemic K-12 and higher education spending levels.

12 8 23

Jordan Valley Innovation Center (JVIC) - Entrance Way



MCCoE SOC Floor

”This is a 24 x 7 x 365 Job!”

Students in the News

KY3 ☰ News Weather Sports Ozarks Sports Zone On Your Side The Place Marketplace Vacation Local Job Ope

Drury University student attempts to hack city of Springfield in cybersecurity partnership

By Shoshana Stahl

Published: May. 20, 2022 at 8:08 PM CDT

SPRINGFIELD, Mo. (KY3) - Drury University partnered with the city of Springfield to ensure its network is guarded against malicious hackers.

Discussion & Questions

Contact Info:

524 N Boonville Ave, Springfield, MO 65806

P: (417) 553-1020

F: (417) 763-3214

501.c.3 Non-Profit **www.MCCoE.org**

Donations:
https://donorbox.org/missouri-cybersecurity-center-of-excellence