BOARD OF TRUSTEES
AGENDA

☐ WORKSHOP	☒ REGULAR	☐ SPECIAL

(A) ☐ Report Only ☐X Recognition

Presenter(s): **David Camarillo, Executive Director for Instructional Services**
Ana Laura Castillón, Career & Technical Education Director

Briefly describe the subject of the report or recognition presentation.

Recognition of CTE Teacher Ms. Christy Rodrigues for being awarded a scholarship from The National Cybersecurity Teaching Academy for 12 credit hour graduate certificate program at the University of Arkansas Little Rock for Summer 2022 – Summer 2023 (virtual). Ms. Rodrigues was selected to be one of the first teachers in the US to earn a graduate certificate in Cybersecurity Education.

(B) Action Item

Presenter(s):

(C) Funding source: Identify the source of funds if any are required.

(D) Clarification: Explain any questions or issues that might be raised regarding this item.

Eagle Pass Independent School District
Deputy Superintendent for Curriculum & Instruction

School Board Meeting Agenda Items

Meeting Date: March 8, 2022

Agenda Items Due: Friday, February 25, 2022

Campus/Dept. Career and Technical Education

Topic	Presenter	Handout Yes/No
Recognition-Teacher EPHS & CCWHS Christry Rodrigues-National Cybersecurity Teaching Academy	D.Camarillo/ A.L. Castillon	Yes

C&I

E P I S D

2021-2022

Eagle Pass Independent School District
Career and Technical Education

Marked for Excellence

To: Samuel Mijares, Superintendent of Schools

From: Ana Laura Castillón, Career & Technical Education Director

Date: February 24, 2022

Re: Recognition of Christy Rodrigues

I am requesting that Ms. Christy Rodrigues, a CTE teacher for EPHS and CCWHS be recognized at the next regular school board meeting. Ms. Rodrigues applied for a scholarship to The National Cybersecurity Teaching Academy and was selected as one of ninety teachers in the United States to be a candidate to earn a graduate certificate in Cybersecurity Education.

The scholarship offers 12 credit hour graduate certificate program at the University of Arkansas Little Rock, to be delivered online start in summer 2022 and wrap up in summer 2023.

Please call me should you need additional information.

Approval:_____

David Camarillo, Executive Director for Instruction

National Cybersecurity Teaching Academy

The NCTA program will:

- offer a 12 credit hour graduate certificate to prepare high school teachers to teach cybersecurity.
- be delivered online, start in summer 2022 and wrap up in summer 2023.
- be granted through one of three universities: DePaul University, University of Louisville, and University of Arkansas Little Rock.

The grant provides scholarships for 90 teachers to cover tuition and fees.

A recently funded NSA grant will create the National Cybersecurity Teaching Academy (NCTA). NCTA will offer a12-credit hour graduate certificate to high school teachers and will include coursework on teaching cybersecurity, foundations of cybersecurity, network security, and advanced topics. Three universities (DePaul, University of Louisville, and UA Little Rock) will be offering the virtual program, with a little bit of variation depending on the university's program. The program will begin Summer 2022.

The NCTA review committee has reviewed your scholarship application and is pleased to offer you a scholarship for the 12 credit hour graduate certificate program at the University of Arkansas Little Rock, provided that you can be academically admitted to the University of Arkansas Little Rock.

We had a very strong pool of applicants. With the limited number of spots for this cohort, we were only able to offer the scholarship to approximately half of the teachers who applied. Congratulations again - we are very excited to work with you in NCTA!!

The National Cybersecurity Teaching Academy

*Want to be one of the **first teachers** in the U.S. to earn a graduate certificate in Cybersecurity Education?*

Highlights of the NCTA program include:

- 12 graduate level credit hours based on the High School Cybersecurity Curriculum Guidelines
- Program developed via the expertise of ten partner institutions from across the country
- Course topics include Foundations of Cybersecurity, Network Security, Teaching Cybersecurity, and a hands-on practicum
- Participating with a cohort of 90 high school teachers across the country
- Access to innovative high school curriculum and resources
- Courses to begin Summer 2022

Certificate granting institutions:

DePaul University   UA Little Rock   University of Louisville

Partner institutions:

DARK   Purdue University   Waukesha County Technical College   Tennessee Tech

Bluegrass Community & Technical College   Sacramento State   Estrella Mountain Community College

Register to receive more information:

https://www.research.net/r/NCTAregisterforinfo

Have any questions about the NCTA program?
Email Jenny at: jenny.daugherty@darkenterprisesinc.com

UA LITTLE ROCK WILL OFFER GRADUATE CERTIFICATE IN CYBERSECURITY EDUCATION THROUGH NATIONAL CYBERSECURITY TEACHING ACADEMY

📅
October 5, 2021 (https://ualr.edu/news/2021/10/05/national-cybersecurity-teaching-academy/)

/ 👤
Angelita Faller (https://ualr.edu/news/author/angelita-faller/)

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Featured (https://ualr.edu/news/category/featured/) homepage (https://ualr.edu/news/category/homepage/) News (https://ualr.edu/news/category/news/)

/ 💬
No Comments

The University of Arkansas at Little Rock has received a $750,000 grant from the National Centers of Academic Excellence in Cybersecurity (https://niccs.cisa.gov/formal-education/national-centers-academic-excellence-cybersecurity-ncae-c), located within the National Security Agency, and will be one of the first universities in the country to offer a graduate certificate in cybersecurity education through the National Cybersecurity Teaching Academy.

The National Cybersecurity Teaching Academy is a collaboration of 10 institutions in nine states that will offer the first credentialing program for high school cybersecurity education in the country. The inaugural program will prepare 90 high school teachers to teach an advanced cybersecurity course.

"Providing these educational resources to our partners at the secondary level strengthens our fight against cyber crime while attracting more students into a reliable and exciting career pipeline," said Chancellor Christina Drale. "The demand for cybersecurity professionals shows no sign of slowing down as more businesses become increasingly dependent on technology."

Teachers who are accepted into the National Cybersecurity Teaching Academy will receive funding covering tuition for the 12-credit hour virtual graduate certificate. Teachers who complete the academy will also have the option to complete six additional credit hours that will certify them to teach dual/concurrent enrollment cybersecurity courses.

The National Cybersecurity Teaching Academy is an excellent fit with Gov. Asa Hutchinson's and the Arkansas Department of Education's efforts to make K-12 computer science education a priority.

"With the increasingly complex cyberthreats our nation has endured and will continue to face, it is the responsibility of our state and schools to produce students prepared to defend our systems against those threats," said Anthony Owen, state director of computer science education at the Arkansas Department of Education. "UA Little Rock has remained a great partner to the Arkansas Computer Science and Computing Initiative since it was started by Governor Hutchinson in 2015. The announcement of the UA Little Rock team seeking out and being awarded a federal grant which will provide cybersecurity training to Arkansas high school teachers is another example of their continued and innovative commitment to the initiative, our educators, and students of Arkansas."

UA Little Rock is one of only three universities in the country who will offer the National Cybersecurity Teaching Academy, along with the University of Louisville and DePaul University. Each university has a regional college and community college partner who will help with curriculum development and teacher recruitment. UA Little Rock's partners are California State University, Sacramento and Estrella Mountain Community College.

"This is a great opportunity for high school teachers," said Philip Huff, assistant professor of cybersecurity at UA Little Rock (https://ualr.edu/computerscience/cybersecurity/). "They will get experience in a new subject where expert knowledge is required. Teachers who complete the academy will come back with real-world experience in teaching cybersecurity classes, an in-depth understanding of cybersecurity, and great materials for their future courses. The program will help teachers provide students with opportunities in one of the fastest growing careers in the country."

UA Little Rock students demonstrate the university s cloud-based cybersecurity lab, the Cyber Arena. Photo by Ben Krain.

The academy's partner institutions will also work with DARK Enterprises, a nonprofit that specializes in cybersecurity education at the secondary education level. The coalition will provide opportunities to build pathways toward dual/concurrent enrollment and 2+2 programs with high schools.

The graduate certificate program is grounded in the High School Cybersecurity Curriculum Guidelines, the development of which was pioneered by DARK Enterprises and the National Cryptologic Museum Foundation. This will move high school cybersecurity education toward a more standardized body of knowledge to build courses and pathways.

The first cohort of the National Cybersecurity Teaching Academy will begin with an Introduction to Cybersecurity Education course in the spring 2022 semester followed by six credit hours during summer 2022. In their second summer,

teachers will study the working environment for cybersecurity professionals and complete a practicum with local industry partners to gain real-world experience.

Cybersecurity remains one of the most in-demand careers in the country. This new graduate certificate will help fill the gap for cybersecurity professionals in the state.

"Cybersecurity is a rapidly growing field, in which the need for qualified employees is far outpacing the number of available candidates," said Sandra Leiterman, managing director of the Cyber Arena. "One way to address this shortage is by increasing awareness and interest in cybersecurity by providing high school students with the fundamental knowledge they need in order to pursue a career in cybersecurity. The National Cybersecurity Teaching Academy will help to bridge the gap between the job demand and the size of the workforce needed to fill the vacancies."

People may register to receive more information via this link (https://www.research.net/r/NCTAregisterforinfo), or contact Jenny Daugherty at jenny.daugherty@darkenterprisesinc.com (mailto:jenny.daugherty@darkenterprisesinc.com) for questions about the program.