



**Whatcom Community College seeks director for Center of Excellence for Cybersecurity (CoECyber)**

Whatcom Community College was recently designated a Washington State Center of Excellence (CoE) in Cybersecurity by the Washington State Board for Community and Technical Colleges (SBCTC).

The Centers of Excellence program, established in 2004 by the Washington State Board for Community and Technical Colleges, was developed to create links between business, industry, labor, and the state's educational systems. Each Center of Excellence is responsible for meeting criteria within four core expectations:

- Economic development.
- Industry sector strategy.
- Education, innovation, and efficiency.
- Workforce supply and demand.

Visit WCC's [Job Information and Resources](#) page to view the job listing and apply.

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**The NCYTE Center Presents**



**Oct  
21st**

**9:00 AM  
PACIFIC TIME**

**Cybersecurity Infrastructure Security Agency (CISA) & skillsgapp**

*An NCyTE Center Member Meeting*

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## Today's session is being recorded



- Check-in by entering your name and where you work in the chat.
- Keep your device on mute when the presentation begins.
- Use chat to ask questions.
- Additional time for questions will be available at the end of the presentation.
- Today's recording will be posted on NCYTE.net at a later date.

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# NCYTE CENTER

## National Cybersecurity Training & Education Center

*Advancing cybersecurity education for tomorrow's workforce.*

## American Indian Science & Engineering Society (AISES)

Hosted by  
**Stephen Miller**

Professor and Director Cybersecurity Center of Excellence  
**Eastern New Mexico University – Ruidoso**  
Co-PI National Cybersecurity Training & Education Center



The National Cybersecurity Training and Education Center (NCYTE) is funded by the National Science Foundation (NSF) grant #2054724.

*\*Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.\**

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# American Indian Science & Engineering Society (AISES)

*presented by*

**Stacy Thacker (Navajo)**

Engagement Officer

AISES

She/her/hers

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AMERICAN INDIAN SCIENCE  
AND ENGINEERING SOCIETY



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## AISES Mission and Vision

- AISES is a national nonprofit organization focused on substantially increasing the representation of Indigenous peoples of North America and the Pacific Islands in science, technology, engineering, and math (STEM) studies and careers.
- The vision of AISES is for the next seven generations of Native people to be successful, respected, influential, and contributing members of our vast and ever-changing global community.
- Only organization specifically supporting Indigenous students and professionals in STEM fields.



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## AISES by the numbers

- AISES was Founded in 1977 by a small group of American Indian scientists and engineers.
- Over 6,400 individual members
- 17 professional chapters
- Over 200 chartered college and university chapters
- 3 tribal chapters
- 240 PK-12 affiliated schools



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## AISES Regions

- **Region 1** (Northwest)-Alaska, British Columbia, Alberta, Yukon, Northwest Territories, Idaho, Montana, Oregon, Washington, and Wyoming
- **Region 2** (West)- California, Hawaii and Nevada
- **Region 3** (Southwest)-Arizona, Colorado, New Mexico and Utah
- **Region 4** (South Central)-Arkansas, Kansas, Louisiana, Missouri, Oklahoma, and Texas
- **Region 5** (Upper Midwest)-Manitoba, Saskatchewan, northwestern Ontario, western Nunavut, Iowa, Illinois, Michigan-Upper Peninsula, Minnesota, Nebraska, North Dakota, South Dakota and Wisconsin
- **Region 6** (Northeast)-New Brunswick, Newfoundland and Labrador, Nova Scotia, northeastern Nunavut, southern Ontario, Prince Edwards Island, Quebec, Connecticut, Indiana, Massachusetts, Maine, Michigan-Lower Peninsula, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island and Vermont
- **Region 7** (Southeast)-Alabama, Delaware, District of Columbia, Florida, Georgia, Kentucky, Maryland, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia



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## Why STEM Matters to Indian Country

- STEM is the key to ensuring that Native People have a voice in the workforce within (non-Native) companies, institutions and agencies – providing Tribal Nations broader influence and input.
- Building STEM capability within Tribal Nations provides greater control over decision-making by avoiding or reducing non-Native outsourcing; and providing stronger control of Tribal assets.
- A strong tribal STEM workforce helps generate entrepreneurial opportunities to create businesses to support tribal communities.
- In short, Native STEM workforce development is a key component of tribal sovereignty and self-determination.



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## Who do we support?



PK-12



College/University



Professional



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## PK-12 Affiliate Programs

- National American Indian Science & Engineering Fair (NAISEF)
- Energy Challenge (to become part of NAISEF)
- Next Generation of Native American Coders
- Native Financial Cents: Financial Literacy
- SPRK'ing Interest in CS (robotics)
- First Robotics Curriculum
- AISES Learning Center
- Teacher Professional Development
- Seeding Innovations: Expanding CS Opportunities for Native Girl, etc.



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## College Programs

- Scholarships
- Internships
- Lighting the Pathway
- Full Circle Mentorship
- College Chapters-help build community
- Regional Conferences
- Opportunity for leadership as a Student Representative, National Student Rep and Canadian Student Rep



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## National Conference

- Palm Springs, California from October 6<sup>th</sup>-8<sup>th</sup>
- The National Conference is a unique, three-day event.
- Attendees include Indigenous high school and college students, educators, and professionals, including representatives from Tribal Nations, Tribal enterprises, and Indigenous-owned businesses.
- The conference also includes the LARGEST college and career fair in the U.S. for Indigenous students and professionals.



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## Highlights at the National Conference

- The Largest College and Career Fair in Indian Country.
- Research Competitions
- Multi-sessions and Multi tracks in STEM, Business, Research and Educator Topics
- Industry Partner and University Tours
- Opening and Closing Ceremonies including entertainment
- Student Awards Ceremony
- Talking Circles
- Traditional Native Powwow and Native Artisan Marketplace
- STEM Activity Day
- hackAISES (hackathon)



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## AISES Events

- National Conference  
October 6-8, 2022, in Palm Springs, CA
- Leadership Summit  
2023 Dates and Location- TBD
- AISES in Canada National Gathering  
March 3-5, 2022, in Vancouver, BC
- 7 Regional Conferences  
2023 Dates and Location- TBD
- National American Indian Science and Engineering Fair  
2023 Dates- TBD, Oklahoma State University
- Native Links Golf Tournament  
October 10, 2022, in Las Vegas, NVAISES Events



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## Membership Benefits

- Networking
- Resources
- Discounts on Events
- Winds of Change Magazine



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## AISES' Four Strategies for Native American STEM Workforce Development

### **#1: Build Awareness and Increase Retention in K-12 STEM:**

Start the pathway by providing Native K-12 Students, parents, and educators exposure to quality curriculum, programs, and opportunities to interest and engage them STEM.

**#2: Increase Access to and Success in STEM Higher Education:** Continue the pathway through higher education by providing financial and academic support and opportunities to Native college students to increase the numbers of successful Native STEM majors.

**#3: Provide Leadership and Promote Change to Improve Professional Opportunities in STEM:** Support the pathway to keep Natives in STEM careers through support of professional Native STEM network and career development resources.

**#4: Identify and Leverage Strategic Partnerships and Conduct Research in STEM Issues Specific to Native Americans:** Illuminate the pathway by identifying the challenges and successes in Native STEM Workforce Development through research, data collection, and partnerships with other key STEM stakeholders.



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## How AISES Helps Other Organizations

- Advisory Councils
  - Government Relations Council
  - Corporate Advisory Council
  - Council of Elders
  - Tribal Nations Council
  - Canadian Indigenous Advisory Council
- Partner Opportunities
  - Connections with members
- Recruitment
  - College and Career Fair
  - Networking Events



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## Questions?

Contact: Stacy Thacker  
 AISES Engagement Officer-  
[sthacker@aises.org](mailto:sthacker@aises.org)




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CENTER

## CMMC 2.0 Workshops



- Sept. 27 – Sept. 28
- Nov. 29 – Nov. 30
- <https://www.ncyte.net/calendar-of-events>

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JOIN US FOR THE  
**2022 AISES National Conference**  
*45 Years of Advancing Indigenous People in STEM*


**October 6-8, 2022**  
**Palm Springs, California**

The Annual AISES National Conference is a unique, three-day event focusing on educational, professional, and workforce development for Indigenous peoples of North America and the Pacific Islands in science, technology, engineering, and math (STEM) studies and careers. Attendees include Indigenous high school and college students, educators, and professionals, including representatives from Tribal Nations, Tribal enterprises, and Indigenous-owned businesses. The conference also includes the LARGEST college and career fair in the U.S. for Indigenous students and professionals! Exhibitors at the College and Career fair represent a diverse range of corporations, educational institutions, government agencies, nonprofit organizations, Tribes, and Indigenous-owned businesses.

[REGISTER NOW](#)

<https://conference.aises.org/>

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## Subject Matter Experts Needed to Advance Cybersecurity Education

**NCyTE needs cybersecurity Subject Matter Experts (SMEs)!**

Must be interested in contributing to curriculum creation and updates.

- Health IT Privacy & Security.

Interested? Visit the URL or scan the QR code.  
[www.surveymonkey.com/r/XRT9Y86](https://www.surveymonkey.com/r/XRT9Y86)



**Subject Matter Experts must be able to:**

- Map learning outcomes to Bloom's Taxonomy.
- Design activities and assessments to align with learning outcomes.
- Develop course materials and learning objectives that are compatible with the Clark.Center platform and that meet Clark.Center accessibility standards.
- Be familiar with various learning objects, such as PowerPoint, YouTube, eMates, etc.
- Contribute to the creation of standards for the curriculum peer review process.

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## Resources/Professional Development

NCyTE  
CENTER



NCyTE's Cybersecurity Modules are now available on CLARK.center at <https://clark.center/collections/ncyte>



SCAN ME

Faculty development academies are underway! For cyber and non-cyber community college faculty interested in expanding their knowledge, earning industry certification, and gaining pedagogy experience.

[www.ncyte.net/resources/faculty-development](http://www.ncyte.net/resources/faculty-development)



NCyTE is offering free program development workshops for faculty and admins from colleges and universities that need assistance developing or improving a cybersecurity program.

[www.ncyte.net/resources/program-development](http://www.ncyte.net/resources/program-development)

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Sign-up for our newsletter, *NCyTE Insights*, to stay up-to-date on the latest NCyTE news, curricular resources, professional development opportunities and more!

Visit "[bit.ly/ncyte-insights](https://bit.ly/ncyte-insights)"

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- [www.ncyte.net](http://www.ncyte.net)

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Thank you for attending today's meeting!

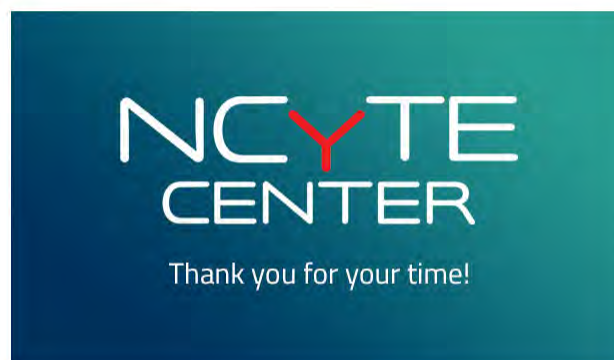
Please take a moment to complete a brief, anonymous survey to help us improve future member meetings.

The survey is being collected by our external evaluator.

[https://bit.ly/NCyTE\\_Survey](https://bit.ly/NCyTE_Survey)



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