

**Fall 2024 CSIS Industry Advisory Board meeting
Grossmont College
Friday, October 25, 2024 4:15-5:00pm**

Meeting Details:

Zoom: <https://gcccd-edu.zoom.us/j/84554529743>

Meeting ID: 845 5452 9743

Phone: 1 669 444 9171

Meeting Attendees:

Huy Ly	Mejun	CEO
Keith Fernandez	San Diego Sheriff Dept	Network/CSS Manager
Daniel Najor	Big Watt Digital	Founder/Director/VP
MD Rana	Army Futures Command	Lead/SME Cyber/AI Innovation/R&D
Haytham Allos	Vikk.AI	CTO
Antonio Recalde	Intuit	Software Engineer
Javier Ayala	Grossmont College	Dean CTE
Hau Nguyen	Grossmont College	Chair/Professor
Jim Hotz	Grossmont College	Professor
Robert Gillespie	Grossmont College	Professor
Philip Bell	Grossmont College	Professor
Ahn Nuzen	Grossmont College	Professor
June Yang	Grossmont College	Professor
Tom Luibel	Southwestern College	Dept. Chair CIS and Electronics
Ron Norman	Grossmont College	Professor (Retired, part-time)
George Sfakianakis	Grossmont College	Professor
Tijan (TJ) Nicholson	Grossmont College	Professor
David Raney	Cuyamaca College	Professor Emeritus

Cybersecurity Bachelor's Degree Program Meeting Minutes

Agenda Topics:	Facilitator:	Time (min):
Welcome and Introductions	Hau Nguyen	10

Hau began the meeting and introduced new faces on the Industry Advisory Board, starting with Huy, the CEO of Mejun, and a cybersecurity firm based in San Diego. Huy shared about his company's transition from development work to cybersecurity services, including threat monitoring and governance. Hau also mentioned that Huy's company had hosted student interns in the past. The next introduction was for Keith Fernandez, but due to a technical issue, his voice was not audible.

Agenda Topics:	Facilitator:	Time (min):
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Program Overview

- Bachelor's Degree in Strategic Cybersecurity Defense Analysis
- New Course Outlines

Cybersecurity Program Overview and Courses

The meeting discussed the development of a Bachelor's degree program in Cybersecurity at Grossmont College. The program aims to make higher education more accessible and affordable, addressing the unmet demand for cybersecurity professionals. The curriculum is designed to provide students with hands-on experience and practical skills, with a focus on AI, Python, and cybersecurity tools. The program also includes a Capstone project and elective units in areas such as cyber intelligence, incident response, and recovery. The program is expected to start in Fall 2026. The team also discussed the integration of AI and cybersecurity into the curriculum, with a focus on practical applications. The program's design is unique, with a focus on cybersecurity programming management and the application of AI in Python.

Curriculum Development of Cybersecurity Program with AI Integration

Ahn presents the course outline for a new cybersecurity program that applies data structures from programming courses like Java and Python to cybersecurity and AI applications. The program covers topics like network mapping with nmap, scraping log data, and integrating with AI models like TensorFlow and PyTorch.

June from the Philosophy department joins to discuss the ethics course, which will evaluate moral considerations of emerging technologies. Robert notes that students can start taking the first-year courses in Fall 2025 while the full bachelor's degree is being approved, allowing them a head start.

Other New Course Outlines**Hau Nguyen****10**

- Cloud+
- CySA+
- Data Analytics

Cybersecurity Program Enhancements

Ahn discussed the optional classes in the cyber security program, emphasizing the importance of understanding legal aspects of cyber security. He also introduced a new class on generative AI technology and cybersecurity, highlighting its potential for cost reduction and automation. MD suggested adding a web application security course and a privacy rights course to the program, which Ahn agreed could be beneficial.

Hau then presented new courses in the pipeline, including a cloud plus class, a Cysa class, and a data analytics course. The team also discussed the possibility of adding a security plus course to the program. Huy expressed his satisfaction with the cyber courses and offered to help with hiring from Grossmont College. Dr. Ayala invited and encouraged the advisory board committee members to attend the upcoming CTE Advisory Board Meeting on November 13 at Grossmont College.

Next Steps and Approval

- Curriculum team to explore incorporating DevSecOps/DevOps concepts into existing programming courses.
- Industry board members to consider attending the employer advisory dinner on November 13.
- Curriculum team to consider adding web application security content to the cybersecurity program.
- Curriculum team to review and potentially update the intro to web development course for cybersecurity focus.
- Curriculum team to ensure privacy rights are adequately covered in the cybersecurity curriculum.
- Hau to continue discussions with 4-year universities about transfer pathways for cybersecurity students.
- Curriculum team to finalize new course outlines for Cloud+, CYSA, and Data Analytics courses.

Advisory Board Members approved the Cybersecurity Bachelor's Degree curriculum and program. Program and curriculum will move forward for Regional Dean's Committee Approval (approved 5:05pm on October 25, 2024 via zoom).