



School of Math, Engineering, Computer Science & Game Development Engineering Advisory Committee Meeting

Minutes

Date: Friday, March 15, 2024
 Time: 9:00AM-10:30AM
 Room: IT-125
 Facilitator(s): Ashlee Johnson and Carlos Rios, student scribe

Norco Faculty in Attendance: Ashlee Johnson

Industry Partners in Attendance:

Committee Members: (add more rows from sign-in sheet, RSVPs listed here)

Jeremy	Goins	jgoins@cnusd.k12.ca.us	Corona-Norco Unified School District
Nicole	Roby	nicole.robby@edd.ca.gov	Employment Development Department Workforce Services Branch
Dr. Adrienne	Williams	adriennedwilliams@adeetechnologies.com	ADee Technologies LLC
Angelika	Henry	alh4Consulting@gmail.com	ADee Technologies
Cheryl	Chesnut	cchesnut@gosbcta.com	I-REN (San Bernardino Council of Governments-SBCOG)
Andrew	Woodard	andrew@woodard.group	Woodard Group
Chelsea	Woodard	chelsea@woodard.group	Woodard Group
Camille	Sutton	camille.f.sutton@uscg.mil	US Coast Guard

1. Meeting Began at 9:10am
2. Welcome and Overview of Engineering Programs Present and Future Vision-Ashlee Johnson
 - a. Two main pathways:
 - i. Pre-Engineering (transfer to a four-year university)
 - ii. Engineering Tech Pathway
 - b. Ashlee Johnson asks advisory group about how Norco College can support civil engineering.
 - i. Norco College offers unique engineering pathway for our region and only one in our college district.



3. Industry Partners Introductions

- a. Chelsea & Andrew Woodard: They own a construction company that focuses on land, pipe, foundation development, everything except the final construction of the building. Chelsea is a Norco College Architecture Alumni, Andrew is a Cal Poly graduate in civil engineering.
- b. Camille Sutton: Background in US Coast Guard. Currently works as a Maintenance Technician. She is looking for bright students that have a lot on their plate and need help finding a path.
- c. Dr. Adrienne Williams: Traditional student background studied chemistry. Earned her PhD and worked on semiconductor research. She loves being a professor, (works at Norco at times teaching chemistry). She and her business partner noticed a large gap between industry and academia, they started a business called AD technology. She goes to education institutions reviews their courses and advises them where they can improve.

4. Dive into NEEDS

- a. Ashlee Johnson sees a need for project management and to encourage students to stay locally after they obtain their degrees.
- b. Professor Johnson asks the advisory group what they are looking for in engineers, what curriculum looks like for the students they wish to employ and what hardware they use.
 - i. Andrew Woodard:
Even if they are from a four year, we have to train them for two year. Rather, we can get a student from community college and train them for the same amount of time. We like the idea of a paid internship with us while they get their degree. Training consists of mostly soft skills.
 - ii. Andrew
"We use fluid dynamics, we need physics understanding, soil measurements for example.
 - iii. Andrew
AutoCAD, specific simulations, "county-based hydrology calculations requirements",
- c. Employability of Students and Student Competitions
 - i. Dr. Adrienne Williams
We want to give students confidence, to get out there. We don't want students, to hesitate we want them to "Fail forward".
 - ii. Andrew Woodard:
There are a lot of majors that would be a good fit for our organization.



- iii. Ashlee Johson
What if we did a challenge where students can compete, we have solar charging project and engineering projects like that here.
- iv. Andrew
I Like the idea of these projects, I was a part of seismic challenge, where you use popsicle sticks to make a structure and with a moving table tests its survivability. Cal poly has cement canoe and formula SAE.
- d. Discussion on Guided Pathways and Student Completion
 - i. Camille Sutton
What if students who are dropping or struggling have a autogenerated email with options or pathways they might be able to take (example coastguard)?

Break out rooms divided into the reasons they dropped out of school, family, work, etc.
 - ii. Ashlee Johnson
Like micro mentorship. Do you have any toys? Something to share or show.
 - iii. Camile Sutton
Yes, I think we have something like Shell bearings we can bring.

5. Wrap up

6. Advisory adjournment 10:25am