Attended by			
Barrett Avery	Jeff Jones	Rudy Venturi	Mary Jo Kreindel
Mel Bartels	Charles LaBorn	Don Easton	Gerry Meenaghan
Matt Barton	Aaron Martins	Pam Farr	Chris Rehn
Frankie Gold	Sarah Mazzio	Paul Wilkins	

Action Items		
Person Responsible	Action Item	Deadline
Paul Wilkins	Send an email to committee members asking for volunteers to mentor students.	
Gerry Meenaghan	Send an email to committee members asking for involvement	
Chris Rehn and Gerry Meenaghan	Determine the approval process for adding new committee members.	May 9
Gerry Meenaghan	Send Cybersecurity Curriculum/Program Sheets to Committee	

Upcoming Agenda Items:

Meeting Date	Thursday May 9, 2019 6:00 – 7:30 p.m.	Location LCC Longhouse – Main Campus Bldg	
Agenda Item			Time Needed

Future Discussion Topics

Agenda Thursday February 7th, 5:30 – 7:00 p.m.
Agenda Item

- **Convene** – Advisory committee members and guests (5:30PM, Chair)

- **Introductions (**~10 minutes, Chair)
  a. *All attendees and guests, briefly introduce yourself, your company / position*

- **Approval of Minutes** (~5 minutes, Chair)

- **Business / Discussion** (~30 minutes, Chair)
  a. AAS in Cybersecurity degree update / Cyberwatch – Don Easton
  b. AAS in Computer Programming degree updates – Brian Bird, Mari Good
  c. AAS in Computer Network Operations degree updates – Joseph Colton, Don Easton
  d. AAS in Computer Simulation / Game Development, Game Art option updates – Paul Wilkins
  e. High School Connections, Promise Grant, CTE certifications and pathways – Chris Rehn

- **Opportunities for Involvement / Mentorship** (30 minutes)
  a. CS 297 Programming Capstone course mentorship – Brian Bird, Paul Wilkins
  b. Co-op internship update for Spring 2019 – Gerry Meenaghan
  c. Hands-on Career Day 2019 – Friday, April 26, 2019 (9:30-10:30AM; 11AM-12PM)
  d. Structured LCC CIT Student-Industry Mentorship Program – Gerry Meenaghan, Mari Good

- **Member news** (Committee, as time allows)

- **Adjourn** (6:30PM)
  a. Next meeting: Thursday, May 9, 2019, 6:00-7:30PM, LCC Longhouse
     i. Farewell to retiring / approval of new members

•   **Convene**
•   **Introductions**

- Jeff Jones, Assistant Chair, led the meeting today in Chair Scott Noble's absence.
- Members introduced themselves to each other.

Decisions	

Action Items	Person Responsible	Deadline

•	**Approval of Minutes**		
	• Jeff Jones made a motion to approve the November 1, meeting minutes; Pam Farr seconded.		

Decisions	The minutes were approved from the fall advisory meeting.		
Action Items		Person Responsible	Deadline

•	**Business/Discussion**

AAS in Cybersecurity degree update / Cyberwatch – Don Easton
- The Cybersecurity AAS was approved by the State today and will be offered starting summer term.
- Cyberwatch was created to facilitate information about security education across the country, and Lane is an academic member. Membership affords us resources such as professional development funds and free student resources. The Federal Government and some large organizations want to work with colleges in order to connect cybersecurity degree graduates with hands on experience to jobs such as a Junior Analyst in Security Operations.
- EWEB starts new employees with duties such as auditing policy and architecture implementers. They have the potential to move up to positions in policy making.
- Rudy requested the Cybersecurity Program Sheet be shared with the committee.

AAS in Computer Programming degree updates – Brian Bird, Mari Good
- Lane's Cybersecurity curriculum ties in with programming but with increased rigor. There is a need for analytical thinkers since they will be using code in the Cybersecurity industry.

AAS in Computer Network Operations degree updates – Joseph Colton, Don Easton
- Lane's Networking students are being taught cybersecurity curriculum moving them to industry standardization. It is recommended engineers and analysts studying networking should consider earning the Cybersecurity certificate.

AAS in Computer Simulation/Game Development, Game Art option updates- Paul Wilkins
- This is the first official year for the Computer Simulation and Game Development: Art Option AAS. It was soft launched last year as one size fits all and now Lane offers a second AAS in the gaming/ art track. Some students were more interested in the art side and did not have programming skills. Now the programming and art students work together on projects for the same classes. Portfolio pieces are more polished and accomplished and it is exciting to communicate across disciplines.
- Computer Simulation/ Game Development Art Option students use the Unity software program.

High School Connections, Promise Grant, CTE certifications and pathways – Chris Rehn
- Chris Rehn is a member of the Computer Science Regulatory Board where he learned there are no required computer classes in Oregon high schools or K-12. He asked members how we can get high schools to require some computer science courses. Principals and teachers currently have to promote computer science by embedding it in other courses like Math.
- The Promise Grant's big picture purpose is to build a pipeline to help students be successful. A lot of students do not see themselves taking any technology courses and have not even considered it. The grant supports high school teacher's summer trainings, building a community of teachers who meet during the year to discuss what is working and what is not. VP Jarrell is supportive of the program and will fund teachers to work on this project, but not at the tech rate.
- Lane may ask for financial support in the future to fund high school costs such as books and

- supplies for computer classes since that has been a hindrance to them offering computer science. CS160 could be taught in high school since it provides math credits for students.
- Some networking i-curriculum is available at some schools. Deron Fort, Director High School Connections/College Now, is excited to have access to the Cisco Academy since it is free to them.
- Lane high school students earn dual credit for College Now classes taken at a high school, taught by high school teachers, with the same curriculum and faculty certification requirements as classes taught on campus by our instructors.

Decisions			
Action Items		Person Responsible	Deadline
• Cybersecurity Program Sheets will be sent out to committee members.		Gerry Meenaghan	

- **Opportunities for Involvement**

CS297 Programming Capstone – Brian Bird and Paul Wilkins

- Paul Wilkins asked committee members for up to five mentors to assist students in spring term's CS297 Programming Capstone course. CS297 students build back end websites with Unity software and need advising once or twice a month for project management and/or technical skills in terms of the scope of the project more so than the skills involved. Students need mentoring specifically to learn how to prioritize decision making for large scale projects, including meeting deadlines.
- Goal: A check-in with a mentor is counted as part of the overall grade for the class.

Co-op internship update for Spring 2019 – Gerry Meenaghan

- As the economy grows, so does the demand for strong technical support for entry level systems networks. If you have openings for student workers,let him know right away because the timing is good.
- A faculty position in Co-op Ed will be posted in April due to a retirement. The faculty will teach Advanced Technology students.
- Demand is strong in entry level IT Technical Support in Help Desk, comp operator foundation and specialized jobs. There are also a lot of calls for unicorn jobs—a little of this skill, a little of that skill. Programming is strong and he recently had two position crop up in outside areas where they are training business analysts. Not sure if students are interested because they usually want networking operations positions in co-op.
- Symatec cut their workforce but are currently looking for a cybersecurity intern. The Trade act covers the full cost of education for employees who were laid off due to a company moving out of town. Many are former Symantec employees.
- A clear and obvious difference exists in the demand for what industry wants from Programming students, and our students meet it pretty well. Programming cohorts are a quarter of Networking students and there are four times more employers in Networking, so it evens it out.
- Lane has 10-20 programming students per year; a lot of interest exists but Lane is not graduating students at a high level. The college has ~40% decreased enrollment overall since the recession ended. At the start of the year CIT cohorts are made up of about 100 Networking students, 40 Programming students, and 20 Gaming students with a graduation rate of ~15%.

Hands-on Career Day 2019 – Friday, April 26, 2019 (9:30-10:30AM; 11AM-12PM)

- Don will work with Jim Bailey to head up the Hands on Career Day on April 26. Gerry asked for committee involvement and Don may put out a call to them to present at the event. Ideas to demo include Android development, cybersecurity software, and virtual tours of work places using Zoom.

Structured LCC CIT Student-Industry Mentorship Program – Gerry Meenaghan, Mari Good

- Gerry recently discussed Mari Good's mentorship program at Lane called Women in Technology. It

is in the forming stages and may become a club at Lane. They mentor each other internally.
- Gerry asked for examples of structured mentorship programs. Jeff Jones has one where two or three students pair up with staff who work hands on then he offers to meet with them one-on-one. Students bring their own topics and it works well to build skill in commanding a room and communicating with a supervisor.
- Frankie Gold mentioned Corvallis has a great mentorship program to check out.

Decisions			

Action Items	Person Responsible	Deadline
• Send an email to committee members next week asking for volunteers to mentor students.	Paul Wilkins	
• Send an email to committee members asking for involvement	Gerry Meenaghan	

• Member News

- EWEB added five positions in project management for Cybersecurity at the senior management level. They want to hire Lane graduates.
- United Way hired a Lane graduate, and it is going great.
- An Information Security System in Eugene is in development, which includes student membership. If you want to join, let Gerry or Don know.
- Sarah Mazzio announced the Technology Association of Oregon: SWV 2019, still has tickets left for the Ignite event tomorrow, February 8.

Decisions			

Action Items	Person Responsible	Deadline

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• Adjourn

- Next Meeting May 9th at 6:00 p.m., in the Lane Longhouse, Main Campus.
- Many 3 year terms are expiring. Members are welcome to re-join. A farewell and thank you for exiting members will be included at the next meeting.
- New members will be approved for next year at the May meeting.
- A last call for nominations/referrals for members was given.

Decisions			

CIT Advisory Meeting Minutes
Thursday, February 7, 2019

Action Items	Person Responsible	Deadline
• Determine the process for approving new committee membership.	Chris Rehn/Gerry Meenaghan	May 9th

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