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EVERY CHILD,
 EVERY OPPORTUNITY,
 EVERY DAY...
 STRIVING FOR SUCCESS

**Program Title (CIP Code): Engineering/Engineering-Related
 Technologies/Technicians, Other (15.9999)
 Occupational Advisory Committee
 April 5, 2023 at 5:00 PM**

- I. Call to Order: 5:05 PM
- II. OAC Attendance: **Bold font-** Business and Industry

Program Description <https://www.education.pa.gov/K-12/Career%20and%20Technical%20Education/CIP%20Codes/CIP%20Code%2015.9999.pdf>

x	Israel Engle	x	Amy Coots
x	Tyler Benedict		
x	Alice Stickler		
x	Jennifer Cochran		
x	Glen Poirier		
x	Francis Novak		

- I. Approval of Fall 2022 - Sent via email to the OAC

Motioned	Jennifer Cochran	Seconded	Alice Stickler
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All in favor.

- II. Old Business:
 - a. Reminder that letters of support are needed annually. Thank you to those who have provided these. (Annual-EZ tube International-9/26/22 and Metal Kraft 4/7/22)

Letter from Corning Inc. has been received/active for 23-24 school year.

Tyler Benedict offered for Trucklite to provide a letter of support.

2 Letters of Support are required yearly for the state. We can always reuse letters- we just need new dates for the upcoming school year.

- b. Must be dated, signed, on letterhead/business card.

- III. New Business:

- a. Perkin's Monitoring Corrective Actions- The 16 corrective actions were provided and discussed. It as noted to be preventative and seek to avoid an improvement plan for non-trationals in the engineering program. 82% of the corrective actions are fixed.
- b. Safety Checklist (D) All of the PDE Checklists will be sent via survey monkey link for each OAC members in the Spring. We will continue a Spring administration.
- c. Shop layout (D) Tour available anytime. Open house April 5-6, 2023/Parent Conference Time. OAC members are welcomed to schedule a time when it is convenient for them and Mr. Novak.

The survey monkey link to the "assessment tool" from the state has been sent on 4/5/23. It is lengthy, please take the time to help us meet our corrective action. Additionally, the survey link is below for much needed feedback on the engineering program.

<https://www.surveymonkey.com/r/2023EngineeringOAC>

- i. Equipment and Tools Needed (F)/3 year equipment list- Review and discuss for Perkin's, supplemental equipment, EITC, and any additional funds that become available.

Mr. Novak provided the proposed list of materials and equipment:

Equipment:

- CNC machinery
- software and hardware to support CNC machinery
- robot or robotic arm
- software and hardware to support robot or robotic arm
- PLCs and PLCs trainers
- Snap On multimeters
- student laptops to support drafting courses
- drafting software
- small hand tools as needed
- educator training on new equipment (PLC, CNC, Programing)
- G code training educators/students
- PLC troubleshooting workstation

As needed replacement of:

- battery-powered hand tools
- hand tools

Materials:

Materials for setup of:

- Electrical troubleshooting stations

- Plumbing troubleshooting stations

Purchase of consumable materials for:

- CNC machinery practice
- electrical wiring practice
- plumbing practice

Mr. Poirier and Mr. Benedict share the need for training- professional development to really bring the equipment “to life.” The OAC members agreed that it is essential to build in training (professional development). As a result, professional development/training should be added to the list. Examples: add G Code, 4 day training course for Fanuc robots, Alan Bradley training, Trucklite donated robot “to life.” Additionally, Mr. Poirier noted to make sure software integrates with CNC.

Recommendation and approval of equipment lists with additions of training.

Motioned	Jennifer Cochran	Seconded	Israel Engle
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All in favor.

- d. Curriculum (POS and Maps) (B)
 - i. POS and Curriculum Maps:

Task Grid Reference: <https://www.education.pa.gov/K-12/Career%20and%20Technical%20Education/Programs%20of%20Study/Pages/Framework.aspx>

Engineering Technologies/Technician				CIP: 15.9999
Subject - Hours	Grade 9 - Hours	Grade 10 - Hours	Grade 11 - Hours	Grade 12 - Hours
TECHNICAL - 360 Hours	Engineering 1	Engineering 2	Engineering 3	Engineering 4
	Drafting 1	Drafting 2	Electricity and Plumbing	Small Engines and Shop Maintenance
		Computer Programming	Environmental Science	Applied Business
				School to Work
English (4)	9 English or 9 CP English or 9 Honors English	10 English; 10 CP English; or 10 Honors English	11 English; 11 CP English; or 11 Honors English	12 English; 12 CP English; or AP English and AP Composition
Math (4)	Any sequence of four credits of Mathematics.			
Science (4)	General Science or Keystone Biology	Keystone Biology or Chemistry	Chemistry or Science and Technology	CP Physics or Honors Physics
Social Studies (4)	World History	American History or Honors American History	Honors Government and Economics Government and Economics	1.0 credit of classes
Humanities	Music	Intro to Art		
Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education

The OAC discussed non trad indicator (being females). Alice suggested that there is an appeal to students who like and have an aptitude for math as well as a farm background. Israel noted that at their company there are many nontraditionals and this would be a good example to provide students.

The state recently provide a training to educators shared via email as an online pdf. [PowerPoint Presentation \(careertechpa.org\)](http://careertechpa.org) Module 5 pertains to non-traditional students.

It was shared that we must have 8 as a minimum to run the program and we must have 4 Bus/Industry representatives or 50% B/I. Mrs. Coots will send out meeting invites and if we do not have a sufficient amount of B/I we will reschedule the meeting. Thank you for helping us meet our minimum of 4 B/I.

ii. Instructional Materials-

- iii. Field trips, on the job training, work-based experiences, guest speakers- Mr. Novak shared that he wants to visit local companies. Tyler shared Trucklite is happy to host a tour.
- e. Analysis of NOCTI test- Last year's result revealed a need to ensure students have the drafting classes prior to the NOCTI. This year we have a couple students taking the NOCTI. Administration is near the end of April for the school year.
- f. Placement After Graduation (H): None at this time
Adding Dual Enrollment PCT Course: Evaluation of Mr. Novak's credentials for PCT course EET 124. The onboarding process dual enrollment with PCT is a year. All credentials had been sent to PCT.

NEW Northern PA Regional College Workforce -short time frame course work is coming to the area. This is a non-bricks and mortar option that we will continue to stay aware of offerings.

- g. Program Evaluation (H): Verification of Industry Standard and Student Competencies are being Achieved: Improvement Plan: Industry Credential Indicator- each program has industry-based credentials as required by PDE. In engineering it is OSHA.
- h. Employment Outlook/Co-op Opportunities- An updated, 2022 Local Employment Data packet was provided to all OAC members.

B/I: Trucklite has a high need for employees (skilled labor and automation engineering) they are about 80 employees short. ElectriCord is maintaining. Metal Kraft is having some challenges due to the automotive industry. Glen shared that we don't need them to know everything- the soft skills are essential. Tyler stated the industry is going to higher tech.

IV. Other Business or Related Matter -Next Meeting Tentatively planned for November 9, 2023. The format will be a large LAC/Stakeholder meeting and branch out to OAC meetings.

Tentative Spring OAC: March 4, 2024 at 5:00 PM at Timeless Destination

V. Adjournment- 6:40 PM

Motioned	Glen Poirier	Seconded	Tyler Benedict
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All in favor.