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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  
 March 20, 2024**

- I. Call to Order: 6.02 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	<b>Todd Fleming</b>	x	<b>Alice Stickler</b>
x	<b>Joseph Southard</b>	x	<b>Dana Coots</b>
x	Francis Novak	x	Kris Davis

- I. Approval of Fall 2023 Minutes - Sent via email to the OAC on 3.18.24

Motioned	Joseph Southard	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 last year. (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. Required: Signature, new date, letterhead/business card.
  - b. Mr. Poirier and Mr. Benedict share the need for training- professional development to really bring the equipment "to life." Update on this item.

The committee suggested building a cage for safety. Power is needed and Mr. Novak is still working on the room. Joe mentioned that he is looking at obsolete equipment/tooling and he can get ahold of Mr. Novak on this.

- c. Update on Pre-Apprentice Program with Penn College

Mr. Novak shared students in Engineering II are participating in the PCT program. The PCT visits are great in the engineering labs the course work is standard online and is not as exciting for students.

**III. New Business:**

- a. 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.

-Any safety concerns from the committee

The committee asked if the STEM lab has enough space and Mr. Novak shared that is does. Getting the room together is a process.

- b. Shop layout (D) Tour available if you need a tour- please schedule with Mr. Novak.
- c. . Instructional Materials/Equipment and Tools Needed (F)/3-year equipment list:

**Recommendations from the OAC**

Joe shared that students needs experience with PLC's. Todd inquired on SOLIDWORKS? Mr. Novak said Mr. Kieser put in for this (referring to the budget requisitions).

Todd asked about a vacuum pump. Mr. Novak shared that they need the pneumatic component and this can be in the room next to the STEM lab.

Joe is willing to contact Mr. Novak after going through obsolete tooling.

Reviewed and discussed the Engineering equipment/material list (provide physical list to OAC)

## Engineering, Technologies/Technician CIP 15.9999

### Materials and Equipment List

#### Equipment:

- software and hardware to support CNC machinery
- robotic arm attachments
- software and hardware to support robot or robotic arm
- PLCs and PLCs trainers, software
- Snap On multimeters
- student laptops to support drafting courses
- drafting software
- small hand tools as needed
- design software for STEM applications
- 3-D scanner
- Safety Equipment for CNC and robotic arm
- Desktop CNC
- Furniture for engineering lab
- Pneumatics for robotic arm

#### As needed replacement of:

- battery-powered hand tools
- hand tools
- CNC bits
- electrical components

#### Materials:

#### Materials for setup of:

#### Purchase of consumable materials for:

- CNC machinery practice
- electrical wiring practice
- chemicals (material science)
- engineering design projects

Attach

letters of

- Cornu

c. Glass

Engineering

robotics

#### Equipment/Material List Vote:

Motioned	Joseph Southard	Seconded	Alice Stickler
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All in favor

- d. Nontraditional- on a state improvement plan for Engineering due to non-trad. Provide current numbers. The OAC has been helpful with suggestions. Any suggestions?

Mr. Novak shared that he has 4 nontraditional students out of 35. We are uncertain if the nontraditional indicator will be satisfied.

Joe shared that he can arrange with Francis a trip to Victaulic for on-the-job time with a colleague named Martha to help with the nontraditional indicator.

- e. 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>
- f. Analysis/update NOCTI- Mr. Novak shared that he does not have eligible students for the NOCTI as they need to have at least half of the credits.
- g. Placement After Graduation (H): Adding Dual Enrollment PCT Course: Shared enrollment numbers for PCT. Career Fair at STSD on April 18, 2024

The committee discussed possible ideas for recognizing CTE senior at the awards assembly. Mr. Novak has three going into Engineering fields, attending Houghton University, Penn College of Technology, and Penn State. OAC: Please continue to think about possible ideas and share with Mr. Novak.

- h. 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.

The committee discussed possibly recognizing seniors with industry based credential certificates.

- i. Employment Outlook/Co-op Opportunities- Local job data shared in the LAC and Stakeholder meeting

Joe shared that he has 48 applications on standby. Victaulic is expanding/doubling the plant with approximately 12-18 individuals interviewing weekly. He has college students on co-op opportunities but can expand to high school. STW has occurred but when HS students work sometimes, we face drop-out because they want to work. Students must be 16 years or older.

Mr. Novak is proud of 3 senior students that competed in a Penn Dot innovation challenge.



Students Ian Hoose, Carter Knowlton, and Natalie Cleveland presented to a panel of executives, maintenance and design managers and engineers at PennDOT District 3 in Montoursville yesterday. They are advancing to the state competition in Harrisburg tentatively scheduled for May 1st.



- IV. Other Business or Related Matter
  - a. Next meeting is on Nov. 7, 2024 Evening (Large Stakeholder meeting then OAC meetings)

Adjournment- 7:00 PM

Motioned	Alice Stickler	Seconded	Todd Fleming
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Attachment/Informational:

Summer Camps Rochester Institute of Technology  
 Grades 3-5, 6-9, & 9-12  
 Week 1: July 8-12, 2024 | K-12 University Center | RIT

## SUMMER CAMPS AT PENN COLLEGE OF TECHNOLOGY

**July 14-18, 2024**

**Age Group:** Students entering grades 10-12

**Fee: \$500**

*Includes all activities, meals, and on-campus housing. This program includes an off-campus outing; participants will need to bring spending money for ice cream (tentative).*

2024 registration opens April 1.

### Architecture Odyssey

#### Summer Camp

Journey with architecture professors into the wonderful world of architecture and sustainable design. Experience the richness of architectural past, present, and future. Participants are encouraged to bring their curiosity and creativity as they learn about the built environment and develop an appreciation for and the skills necessary to produce a sustainable future. Activities include design studio, workshops, seminars, field trips to building sites, and visits with local architects.

# QREW CAMP

A two-day immersive experience for students to learn more about the natural gas industry and careers in the field.

[Flip for details >](#)



JULY 23 + 24, 2024 > WASHINGTON, PA + WILLIAMSPORT, PA

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# QREW CAMP



< Scan code to submit your application.

Deadline to apply: **May 1, 2024**

Qrew Camp is a two-day immersive experience for rising 9th, 10th & 11th-grade students, and their parent or chaperone, to learn more about the natural gas industry and careers in the field. With two camp locations in Washington & Williamsport, PA, students will hear from EQT professionals on the importance of natural gas, how we safely produce it using cutting-edge technology, witness the drilling process in person, and have some fun!

At EQT, we call our employees our "Qrew." Qrew Camp is a way to engage what we hope to be the next generation of industry leaders and give them a firsthand look at the work we are doing right here in Pennsylvania to provide the low-cost, reliable, clean energy the world needs. Camp is free to those selected; all meals and accommodations, if needed, will be provided.

[eqt.com](http://eqt.com) [f](#) [X](#) [in](#)



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