



## Fall 2022 Program Advisory Committee Minutes October 20, 2022

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**Program:** Advanced Manufacturing  
**Members Present:** Robert Ring, Paul Hoff, Kevin Townsend, John Flinn, Andrea McCarthy, Nick Vlismas, Jason Vining  
**Program Facilitator:** *Bevan Weissman*  
**Committee Chair:** *John Flinn*

**Program Updates** (enrollment, curriculum, equipment & projects/field work, etc.)

**Enrollment. 8 seniors, 7 on co-op. Highest placement in school. 18 Juniors, not all students first choice shop. 8 Sophomores, very promising group. Freshman, in exploratory, revised exploratory curriculum to better showcase the industry and filter students who are genuinely interested in shop.**

**Nighthawks enrollment is strong. High percentage of job placement.**

**Instructors are all industry experts. Many students hired into industry before completing program. Nighthawks curriculum used in daytime instruction with great success**

**Teacher retention a significant problem. More teachers than years of program.**

**Overenrollment is extremely detrimental to program success. Nighthawks and junior class.**

**Added equipment. 2 surface grinders, 2 manual mills, 4 improved engine lathes, 4 cnc mills (1 with robot cell), 3 cnc turret lathes**

(Add your text here)



## Curriculum

### Bias/Programmatic Review

(Bias is easy to avoid in teaching our content. Most lessons involve equipment/tools and not individuals/personalities. When applicable, we strive to create an inclusive shop atmosphere and our student body represents that. Fire safe cabinet is not grounded/lagged. Oil disposal is currently oil storage. Safety Kleen? PPE initially provided, required to be in shop. SDS up to date and available online. Eye wash drains onto floor, electrical floor boxes nearby. Sink is not adequate) Machine maintenance is currently covered, but is anticipated to be a problem with the lack of instructors.

### Cooperative Education Update

(Highest placement of any shop in school. 87.5% Andrea McCarthy (Evan's Machine), coop student performs extremely well. Student expectations and employer expectations do not always align (job duties)

### Employment Outlook/Industry Trends

(Manual machining is still relevant and should continue to be taught. Industry is struggling to find qualified candidates, pushing for automation out of necessity. Need combination engineers/machinists/able to analyze data sets and learn to operate high level equipment. Start introducing sophomores to CNC earlier so that they are better prepared for co-op)

### Recommendations for Program *(including budget needs for FY24)*



(Industry has more milling applicants and more lathe openings. Open account for tooling supply would streamline tooling acquisition. Our co-op schedule, wed-tues, does not align with area schools. )

### **Financial Fair Recruitment**

(If this is referring to admissions process, PAC feels that admissions process to school is essential for getting the correct students into the school)

### **New Business**

(Add your text here)

**The meeting adjourned at (time): 8:29**