Glendale Community College
Career Education and Workforce Development
Manufacturing Technology Advisory Committee Meeting

Minutes, April 3, 2025, 10-11:15 am

Meeting called to order at 10 am

1. Introductions/Attendees:

GCC – Andrew Feldman, Meg-Chil-Gevorkyan, Alejandra Gonzales

K-14 – Clark Magnet School: Aram Ohanis

Industry – Glen Air: Tony Agajanion, Mike Beaupre, Walter Ortiz, Dave Tonkiss

Industry – Go Engineer (Solidworks software): Dean Schultz

2. GCC School Stats reviewed, increased 32% in machine technology from 118 to 149. CNC student enrollment is increasing this spring semester.

3. Machinist AS degree and Certificate discussion, vote.
   A. Classes are needed to introduce students to machining.
   B. Committee agrees these classes are essential for students.
   C. Motion for maintaining the existing machinist as degree and machinist certificate, vote.
   D. The committee unanimously approved to keep Machinist AS degree and Certificate.

4. CNC machinist AS degree and Certificate, skill awards discussion
   A. CNC AS degree and Certificate needs feasibility research study.
   B. Request to create more stackable skill awards

5. CNC courses review of current class offerings, vote
   A. Motion to keep existing CNC course offerings, vote.
   B. The committee agrees that course offerings are what is needed.
   C. The committee unanimously approved to keep current CNC courses.

6. CAM and CNC 3 axis mill certificate discussion and vote.
    A. Motion to approve the CAM and CNC 3 axis mill certificate, vote.
    B. Concerns about existing industry employees' course placement method
    C. The committee unanimously approves the CAM and CNC 3 axis mill certificate.

7. CAM & CNC Lathe with Y-axis certificate discussion and vote.
    A. Motion to approve the CAM & CNC Lathe certificate, vote.
    B. The committee unanimously approves the CAM & CNC Lathe with Y-axis certificate.

8. CAM & CNC Mill Advanced Certificate discussion and vote.
    A. Concern, adding metallurgy and another class to make certificate 16 units.
    B. Motion to approve the CAM & CNC Mill Advanced certificate, vote.
    C. The committee unanimously approves the CAM & CNC Mill Advanced Certificate.

9. GD&T with hand on basic Inspection course and Advanced CMM inspection course discussion and new computers for lab, vote.
    A. Concern, will AS degree be available for inspection classes
    B. Concern, outdated computers in the inspection lab should be replaced with newer computers.
    C. Motion to approve new computers for inspection lab, vote.
    D. The committee unanimously approves new computer systems for the inspection lab.
    E. Motion to approve the GD&T with hand on basic inspection course and the Advanced CMM inspection course, vote.
    F. The committee unanimously approves the GD&T with hand on basic inspection course and the Advanced CMM inspection course.

10. K-14 Career Pathways discussion
    A. Articulation agreement for CAM 210
    B. Aram Ohanis agrees to also include CAM 220
    C. Committee recommends summer and winter classes for high school students.
    D. Aram extends invitation to talk to Clark Magnet high school students.

11. Moving Engineering support classes to the Manufacturing department discussion and vote.
    A. Courses, Technical drafting and basic design for industry, Print reading for industry, Computer aided design for industry SolidWorks I and II
    B. Industry professionals can teach courses, instructors do not need to have a master's degree to teach these courses.
    C. Dean Schultz says SolidWorks is a basic cad program software. It becomes useful to an engineer when they use advanced modules, ex. finite element analysis, fluid dynamics.
    D. Dean Schultz comments that SolidWorks should be taught by someone that has industry experience. He says the basic program is a drafting program for industry.
    E. Motion to approve the move of Technical drafting and basic design for industry, Print reading for industry, Computer aided design for industry SolidWorks I and II courses to the Manufacturing Department, vote.
    F. The committee unanimously approves the move of Technical drafting and basic design for industry, Print reading for industry, Computer aided design for industry SolidWorks I and II courses to the Manufacturing Department.

12. Closing the Gap in Employment in Perkins Federal Grant Program
    A. Skill Attainment, GPA 2.0 and Above: 91.75% goal
    B. Completions, Certificates, Degrees and Transfer Ready: 89% goal
    C. Persistence in Higher Education: 91% goal
    D. Employment: 71.92% goal
    E. Training Leading to Non-Traditional Employment: Greater than 26% Participation & 30% completion

13. Labor Market Information
    A. Middle-Skill Occupational Demand in Los Angeles 1,412 annual openings
        - Change 2022 15,297 jobs, 2027 15,072 jobs; change 225; -1.5%
    B. Middle-Skill Occupational Demand in Los Angeles 405 annual openings
        - Change 2022 6,049 jobs, 2027 5,959 jobs; change 90; -1.5%

14. Manufacturing Technology Wages
    A. First-Line Supervisors of Production and Operating workers
        - Entry level $23.89 - $27.34
        - Average wage $36.04
        - Advanced level $42.56
    B. Industrial Engineering Technologists and Technicians
        - Entry level $26.80
        - Average wage $36.42
        - Advanced level $47.29
    C. Industrial Production Managers
        - Entry level $39.25
        - Average wage $51.46
        - Advanced level $73.42
15. Emerging Fields
    A. Robotic machine loading
    B. Quality Control Inspectors
    C. Machinist, programmer and setup (all the same person)

Adjournment 11:15 am