

**College of the Redwoods
Manufacturing Technology Advisory Committee
Meeting Minutes**

Tuesday, October 25, 2016
6:00 - 7:00 PM
Eureka Main Campus Room AT106

The meeting was called to order at 6:11 PM

1. Welcome and introductions

Committee members present:

Mark Bergenske	Humboldt Redwood Company
Anne Brown Crawford	Arcata High School
David Enos	McKinleyville High School
Mark Lougheed	Wing Inflatables
Will Maderas	Wallace & Hinz
Mike Peterson	College of the Redwoods
Josh Rice	Schmidbauer Power Company
Lex Rohn	Arcata High School
Brett Roslosnik	Fortuna High School
Nick Shull	College of the Redwoods
Dave Stevens	Eureka High School
Mark Talbert	Wing Inflatables
Danny Walker	College of the Redwoods
Lisa Zambas	Wing Inflatables

2. Program update:

a. ATMAE Accreditation

The MT program is preparing for accreditation hearings at the ATMAE annual conference next month.

b. Review of Program/Course Outcomes/Goals

ATMAE requires validation of program and course level outcomes. The committee was provided with all outcomes and a procedure for validating these outcomes was discussed. Future curricular revisions will take place after this committee has given feedback on changes to these outcomes. It was noted that Electro-Discharge Machining (EDM) is listed in the program outcomes, however, all EDM machines have been removed from the laboratory and content relative to EDM is no longer covered in the program.

c. Employer/Graduate Surveys

This program has been working with the Institutional Research department in gathering data on employer and graduate satisfaction with the program.

d. Nonsubstantial Change to Degree Requirements

Catalog information for this program needs to be updated to reflect current offerings for elective courses. A requirement of filing the nonsubstantial change documents is that the changes must reflect the thinking of the advisory committee, as indicated in advisory committee minutes that are submitted as part of the proposal. This committee agreed that the changes are warranted; the degree requirement should show current offerings for elective courses.

e. Program Review Information

Data shows that last year's enrollments were down slightly after a year of a very high-level of enrollment. This illustrates the cyclical nature of demand for this program.

f. CTE Enhancement Funding

A funding initiative from the state has resulted in major laboratory upgrades for this program.

g. CTEA Projects

This year's funding will be used to purchase a Coordinate Measuring Machine (CMM).

h. Mechatronics Technology Certificate of Recognition

A current goal of the program is to offer a credential in Mechatronics Technology. Curriculum has been developed and the program initiation process will start in the Fall 2017 semester.

i. \$200M Strong Workforce Regional Collaboration

This program is participating in a regional collaboration with other Northern California community colleges. This will result in major laboratory upgrades.

3. Industry and Employment Trends

- Industry sees skill-gaps in work-readiness. It is difficult to find employees that attend consistently, follow instructions, can use tools, and have the ability to work with their hands and their minds.

- The most successful partnerships are those between industry and vocational schools. Less theory and more hands-on training is essential.
- Students need to know the difference between a job and a career.
- Analytical skills, critical thinking skills, and the ability to write and understand technical documents are desirable skills in the engineering area.
- Technical mathematics, physics, statics, dynamics, and survey-level technology courses would be helpful for industry needs.
- Computer Numerical Control (CNC) is not strictly for metal machining.
- Solidworks, Rhino, Catia are widely used in all areas of industry.

4. Committee Recommendations for Program

- Promote the program so that high school students are aware of their options outside of the traditional four-year college track.
- Emphasize soft-skills.
- Consider offering a Bachelor's Degree in Industrial Technology.

5. Announcements

None

The meeting was adjourned at 7:36 PM