

**OPAS Pathways Workgroup Meeting #8**  
**April 25, 2007**  
**Wilsonville Training Center, Clackamas Community College & Teleconference**

**Attendees:** Susan Boyanovsky, Scott Giltz, Jay Bockelman, Jo Oshiro, Tom Thompson

*Italics represent activity since the meeting.*

**Summary as Emailed and Posted June 4, 2007**

Susan Boyanovsky will be resigning as chair of Pathways when the statewide articulation agreement on Manufacturing Engineering Technology is done. Susan consulted with the committee about the language of that agreement, and the structure for reviewing that agreement annually, in early fall. Tom Thompson of ODE agreed to chair the workgroup.

The presentation of the Manufacturing Engineering Technology articulation agreement and pathway documentation at the Oregon Association of Career and Technical Educators' (OACTE) Conference in April went well. Susan was happy with the materials, the presentation, and the attendance of about 30. Attendees were interested in Project Lead the Way (PLTW) and statewide articulation; schools are trying to figure out how they can fit. One of the presenters' messages was that CTE has pathways to baccalaureate degrees.

Jo will discuss with the OUS Communications Department a press release or similar vehicle on the articulation agreement for distribution to the PTE Deans, regional coordinators, counselors, Manufacturing 21, Mimi Maduro, Candace Robeck (webmistress), Lita Colligan, and the presidents of OCTM, OSTA, OMEC, OSEC, and others. *Part of this list was sent an email on May 18, after Jo and Endi Hartigan at OUS decided that a press release was not an adequately targeted tool. Jo will fix the oversights.*

Additional means of getting the message out were discussed, including a booth at the NW Youth Career Expo. *Because of lack of staffing for the booth, Jo made arrangements for the poster/brochures and a display board of the poster to share an OIT booth, staffed in part by Margi Smith Lee.*

A discussion of next steps resulted in Scott Giltz committing to do an informal poll to see if there is a likely next candidate degree for a statewide articulation program; the hunch of the workgroup is that it will be electrical engineering. *Bruce Schafer later suggested that Computer Science may also be a possibility.* More poster/brochures are needed.

The document "Satellite View Career Pathways Flyover for High School Students" is worth pursuing as a longer term project, aimed primarily at teachers, secondarily at counselors. The suggestion was made to target schools with PLTW and work with them to figure out how to optimally package the information.

The next meeting is tentatively planned for July.

## **Action Items as Emailed and Posted June 4, 2007**

- (Jo) Poster/Brochures
  - Change to Tom's contact info
  - 100-200 to Tom in time for the NW Youth Career Expo
  - electronic original to Tom
  - Enlargement on foam board; also to Tom
- (Scott) Work the grapevine for interest in the next statewide articulation agreement.
- (Tom) Open discussions with Tim Brower to start making the high school connection and developing a model of what the Manufacturing Engineering Technology Model looks like from the high school end.
- (Jo) Release publicity on the statewide articulation agreement to appropriate audiences.
- (Jo) Check with Gary Naseth and Fred Haynes re: the LBCC/OSU dual enrollment program; perhaps OIT will confer the AS degree.
- (Jo) Make contact with Candace Robbecke, CCWD, keeper of their Pathways Website.
- (Jo) Figure out if the current webpage counter will tally the OACTE Pathways page separately; if not, get one on it.

## **Additional Points of Discussion, Information, and Resources**

- Susan is also resigning from the OPAS Steering Committee. Her day-to-day job is changing focus to more FTE audits and program approvals.
- The OACTE presentation had more information on ABET accreditation than was necessary.
- The statewide articulation agreement includes a yearly review in early fall, in order to make catalog print runs. Also included are minimum acceptable grade for transfer, and vetting of curricular changes by the group.
- Associate of Science (AS) degrees cannot be rebundled into smaller certificates of completion; these are degrees designed for transfer to 4 year programs with appropriate general education requirements.
- AAS degrees are intended as terminal degrees with more technical courses and less general education; these are "straight-to-work" degrees.
- Math 252 (Integral Calculus) is an ABET requirement; however, this Manufacturing Engineering Technology Degree is non-calculus based.
- Jo and Tom will keep current copies of the statewide articulation agreement crosswalk matrix for Manufacturing Engineering Technology.
- Scott will help in dissemination of the articulation agreement and crosswalk.
- Mimi Maduro, Statewide Pathways Coordinator, is a contractor for CCWD. She works with the community colleges on how to divide curricula into certificates and degrees.
- Candace Robbecke, Education and Workforce Coordinator for CCWD, keeps the statewide pathways website.
- ASEE (American Society for Engineering Education) is contracting with PLTW to write the national standards for engineering.
- Scott mentions that one big barrier to PLTW is the perception that the price of the software (Autodesk Inventor) is rising fast with no end in sight. The new Autodesk sales manager has apparently heard the gospel and the price is coming back down again.

- Tom likes PLTW because there is a research base which Amatrol and other commercial systems do not have. Nor are the equipment requirements onerous.
- Possible additional actions for the Pathways Workgroup for next year:
  - Connect to National Engineers' Month in some way
  - Regional PTE Coordinators' meeting presentation
  - PTE Deans have a retreat August 8, 9, 10 – make a presentation there?
- Concern was expressed that OUS institutions (with the exception of OIT) are not talking about articulation at the level of detail that the community colleges do. Community colleges tend to work with individual high schools, while OUS wants a system like AP (*Jo notes that PLTW has nationally-normed tests for each of its courses.*)
- Tom notes that the Math-in-CTE model piloted in Lane County is being extended statewide; he is already in contact with Larry Flick at OSU's Department of Math and Science Education on this.

**Next Meeting:** possibly in July; pending actionable information and schedule constraints. Jo will consult with Tom and do an email poll.