

MACHINE TOOL TECHNOLOGY ADVISORY COMMITTEE
 FOLLOW-UP MEETING
 February 20, 1998

Present: Steve Atma, Faculty
 Phil Crockett, Manufacturing & Technological Services
 Dr. Carlos Olivarez, Dean, Academic and Student Services
 Karen Pagenette, Workforce Development Services
 Ruth Springer, Secretary
 Paul Wayrynen, Paraprofessional

Date Recommended	Advisory Committee Recommendations	Follow-Up Actions
10/23/96	1. That ATM 215, APT Programming Applications, and ATM 216, APT Language Programming, be removed from the Numerical Control curriculum and replaced with more current subject matter. In Process	1a. Mr. Steve Atma is working on a plan for curriculum revision to bring OCC's Machine Tool Program into line with the curricula at the Oakland Technical Centers and Ferris State University, in order to provide a smooth transition for OTC graduates who wish to continue their studies at OCC and then go on to Ferris. The two options currently in the catalog will be replaced by the attached proposed curriculum. 1b. As a part of this process, Mr. Atma is working with Mr. Bob Globke of OTC-SE, as well as with the other Oakland Technical Centers, to establish Tech Prep agreements. 1c. The curriculum revision will include the deletion of ATM 215 and ATM 216 and their replacement with more current subject matter.
10/23/96	2. That OCC attempt to alleviate the potential problems caused by the cancellation of classes with less than 15 students enrolled, and the piggybacking of classes in order to achieve the required enrollment of 15. Completed	2. ATM 110 has been separated from ATM 112, ATM 114, and ATM 118.

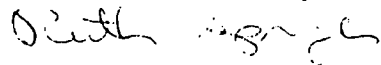
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10/23/96	3. That OCC attempt to work more closely with local professional organizations, such as the Detroit Tooling Association, National Machine Tool Builders Association, and the Society of Manufacturing Engineers. In Process	3. Mr. Atma is working with Workforce Development Services to market the program.
10/23/96	5. That equipment in the Machine Tool Lab be updated. In Process	5a. Two Bridgeport CNC mills were received in June, 1997. 5b. Fifteen packages of SurfCam software were received in September, 1997. 5c. Fifteen packages of SolidWorks were received in January, 1998.
10/23/96	6. That more space be allocated for Machine Tool lab equipment. In Process	6. Two areas have been considered for possible use. Mr. Atma and Dr. Olivarez are continuing to explore other areas of the campus for possible use to expand Machine Tool lab space.
10/23/96	7. That OCC work with industry in an attempt to obtain updated equipment by donation or by being allowed to purchase the equipment at cost. In Process	7a. Bridgeport has provided OCC with two machines at a discounted price. 7b. A Dynapath 40 CNC controller has been obtained at a discounted price. 7c. An OD grinder is being donated by Detroit Precision Tool. 7d. Mr. Atma will continue his efforts to obtain additional equipment through educational discounts from equipment suppliers.
10/23/96	8. That the best possible computers be obtained for the Machine Tool Lab. In Process	8a. An Elmo projector is being requested through OCC's capital equipment request process. 8b. Mr. Atma will continue his efforts to obtain the best possible computers and state-of-the-art software for the Machine Tool Lab.
10/23/96	9. That simulation be used in instruction. In Process	9. Simulation centers are being investigated by Mr. Atma for inclusion in a Workforce Development Services pilot project for Spring/Summer 1998.

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10/23/96	10. That OCC consider the possibility of a partnership with OTC-SE, perhaps to include the possibility of holding classes there. In Process	10. This will be considered as a part of the working relationship between OCC and OTC-SE (see no. 1b).
3/11/97	11. That OCC consider the possibility of reducing the minimum student enrollment for Machine Tool classes from 15 to 12. Not Approved	11. This is not possible because the enrollment minimum of 15 is mandated by the OCC faculty contract.
3/11/97	12. That arrangements be made for Machine Tool students to visit a local facility to observe professionals using the equipment students will be using when they are employed. Completed	12a. Tours are conducted when arrangements can be made with employer partners. 12b. Tours are also available through the student chapter of the Society of Manufacturing Engineers (SME).
3/11/97	13. That OCC consider increasing the credit hours for Machine Tool classes, perhaps to 6 credits per class, so that students could complete a project in one term rather than splitting it up between terms. In Process	13. This will be considered as a part of the discussion with Ferris State University regarding an articulation agreement with them (see no. 1a).
3/11/97	15. That OCC consider making participation in SME a requirement for students in some classes. Completed	15. It is left up to each instructor to encourage students to participate in SME. Mr. Atma takes his classes to the SME meetings.
9/30/98	16. That the making of fixtures be addressed in OCC's Machine Tool Program. Completed	16. This is being implemented in ATM 118.
9/30/98	17. That OCC consider marketing the Machine Tool Program as an opportunity for engineers to learn processing by working hands-on with the machines. In Process	17. Mr. Atma is working with Workforce Development Services to create a database of area manufacturers for the purpose of marketing both the regular and the new modular programs.

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9/30/98	18. That the Technical Center instructors be invited to OCC for a tour and luncheon. Completed	18a. Clarkston and Royal Oak instructors were here to visit last year. Pontiac instructors were here February 19, 1998. 18b. Instructors will be invited to campus on a regular basis beginning February 26, 1998.
9/30/98	19. That OCC staff attempt to take equipment to high schools and do demonstrations for the students. In Process	19. Once the new program has been finalized, a video will be made to take to area high schools.
9/30/98	20. That OCC consider introducing rapid prototyping into its classes. Completed	20. This is being done in CIM 240, Flexible Manufacturing System Applications, which will be included in the new curriculum (see no. 1a).
9/30/98	21. That OCC take steps to eliminate the duplication in math courses in the Numerical Control Option. In Process	21. This is being done in the proposed new curriculum (see no. 1a).
9/30/98	22. That OCC consider adding DDT 100, Fundamentals for the Drafting Industry, and DDT 105, Product Drafting, or DDT 115, Descriptive Geometry, to the Numerical Control option. Not Approved	22. TED 103, Basic Blueprint Reading, provides students with adequate exposure to this subject matter for the purposes of this program.
9/30/98	23. That OCC consider combining the basic Machine Tool Program with the Numerical Control Option and/or creating an additional option to include courses in advanced machining targeted at people working in the field who need more advanced skills. In Process	23. This is being done in the proposed new curriculum (see no. 1a.)

The next meeting of the Machine Tool Technology Advisory Committee will take place during Fall 1998.

Respectfully submitted,



Ruth Springer
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