



OAKLAND  
COMMUNITY  
COLLEGE

**Machine Tool Technology:  
In-Class Survey  
Winter 2002**

*Preliminary Report*

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The tables below display survey responses from the course, ATM 110, section AH 509. However, due to low sample size (6 responses), the results are considered unstable and are not reflective of OCC's population of Machine Tool Technology students.

### Program

Program (N=6)		
	<u>Number</u>	<u>Percent</u>
Machine Tool Technology	5	83.3%
Machine Tool Technology - Numeric Option	1	16.7%

### Reasons For Taking ATM 110

Reason for Taking Course (N = 6)		
	<u>Number</u>	<u>Percent</u>
Pursuing OCC's Associate Degree in Machine Tool Technology	3	50.0%
Personal interest	3	50.0%
Increase knowledge in a specific area	2	33.3%
Pursuing OCC's Certificate in Machine Tool Technology	1	16.7%
Employer encouraged	1	16.7%
See if like field	1	16.7%
Other	0	0.0%

*Note: Multiple mentions allowed, so totals may exceed 100%.*

### How Students Planned To Use Knowledge And Skills Gained In Course

How Students Plan to Use Skills and Knowledge Gained in Course (N=6)		
	<u>Number</u>	<u>Percent</u>
Self Employment	3	50.0%
Current Job	3	50.0%
New job, different employer	3	50.0%
Transfer to another college/university	1	16.7%
Other	1	16.7%
New job, current employer	0	0.0%

*Note: Multiple mentions allowed, so totals may exceed 100%.*

### **First Time Taking A College Course?**

Five of the six students have previously taken college courses.

### **Ever Taken an OCC Course?**

Four of the six students have previously taken courses at OCC.

### **How Students Learned About Courses**

<b>How Students Learned About Course (N=6)</b>		
	<u>Number</u>	<u>Percent</u>
College catalog, advertisement or other publication	3	50.0%
Contacted college	3	50.0%
Family/Friend	1	16.7%
Employer	0	0.0%
Other	0	0.0%
College website	0	0.0%

*Note: Multiple mentions allowed, so totals may exceed 100%.*

### **Current Employment Status**

<b>Employment Status (N=6)</b>		
	<u>Number</u>	<u>Percent</u>
Full-time	5	83.3%
Part-time	0	0.0%
Unemployed	1	16.7%

### **Current Job Related To Machine Tool Technology?**

<b>Current Job Related to Machine Tool Technology (N=5)</b>		
	<u>Number</u>	<u>Percent</u>
Highly related	1	20.0%
Somewhat related	3	60.0%
Not at all related	1	20.0%

### Current Job Title

<b>Current Job Title (N=4)</b>		
	<u>Number</u>	<u>Percent</u>
Senior Instructor/Team Leader	1	25.0%
Mold Maker Apprentice	1	25.0%
Heavy Mechanic/Metal Worker	1	25.0%
CAD Detailer	1	25.0%

### Age

<b>Age Group (N=6)</b>		
	<u>Number</u>	<u>Percent</u>
18-22	5	83.3%
23-29	0	0.0%
30-39	0	0.0%
40 and Over	1	16.7%

### Gender

All six of the students surveyed were male.

### Race

All six of the students surveyed were White.

### Educational Attainment

<b>Educational Attainment (N=6)</b>		
	<u>Number</u>	<u>Percent</u>
High school diploma	1	16.7%
Some college	4	66.7%
Associate degree	1	16.7%

### Long-Term Educational Goals (Next Five Years)

<b>Long-Term Educational Goals (N=6)</b>		
	<u>Number</u>	<u>Percent</u>
Few more courses in Machine Tool Technology	1	16.7%
Obtain certificate or degree in Machine Tool Technology	5	83.3%

# Frequencies - Educational Intent per Application Winter 2002

## Statistics

ASQTT

N	Valid	24474
	Missing	0

## ASQTT

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	485	2.0	2.0	2.0
1	10942	44.7	44.7	46.7
2	9251	37.8	37.8	84.5
3	841	3.4	3.4	87.9
4	773	3.2	3.2	91.1
5	1489	6.1	6.1	97.2
6	693	2.8	2.8	100.0
Total	24474	100.0	100.0	

# Frequencies

## Statistics

Recoded Curriculum

N	Valid	24474
	Missing	0

**Recoded Curriculum**

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid ACH	128	.5	.5	.5
ASR	114	.5	.5	1.0
ENV_SYS	72	.3	.3	1.3
MACH_TL	33	.1	.1	1.4
OTHER	24127	98.6	98.6	100.0
Total	24474	100.0	100.0	

**Crosstabs**

**Crosstabs**

**Case Processing Summary**

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
ASQTT * Recoded Curriculum	24474	100.0%	0	.0%	24474	100.0%

ASQTT \* Recoded Curriculum Crosstabulation

			Recoded Curriculum					Total
			ACH	ASR	ENV SYS	MACH TL	OTHER	
ASQTT	Obtain an OCC Degree or Certificate	Count	54	76	46	23	10743	10942
		% within Recoded Curriculum	42.2%	66.7%	63.9%	69.7%	44.5%	44.7%
	Complete courses for transfer to another institution	Count	66	11	7		9167	9251
		% within Recoded Curriculum	51.6%	9.6%	9.7%		38.0%	37.8%
	To gain skills to get a job	Count	3	13	5	2	818	841
		% within Recoded Curriculum	2.3%	11.4%	6.9%	6.1%	3.4%	3.4%
	To upgrade existing job skills	Count	1	6	14	6	746	773
		% within Recoded Curriculum	.8%	5.3%	19.4%	18.2%	3.1%	3.2%
	To take courses for personal enrichment	Count	3	4			1482	1489
		% within Recoded Curriculum	2.3%	3.5%			6.1%	6.1%
	Other	Count	1	1			691	693
		% within Recoded Curriculum	.8%	.9%			2.9%	2.8%
		Count		3		2	480	485
		% within Recoded Curriculum		2.6%		6.1%	2.0%	2.0%
Total		Count	128	114	72	33	24127	24474
		% within Recoded Curriculum	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Chi-Square Tests

	Value	df	Asymp. Sig. (2-sided)
Pearson Chi-Square	218.592 <sup>a</sup>	24	.000
Likelihood Ratio	205.358	24	.000
N of Valid Cases	24474		

*significantly higher than others*

a. 18 cells (51.4%) have expected count less than 5. The minimum expected count is .65.





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# Student Questionnaire Machine Tool Technology Program

The information you provide on this form will greatly enhance OCC's ability to understand the backgrounds and goals of students who enroll in Machine Tool Technology courses. As a result, OCC will be able to better meet the needs of its students.

1. In which Machine Tool Technology program are you enrolled? **(Check Only One)**
  - Machine Tool Technology
  - Machine Tool Technology – Numerical Control Option
  - Not enrolled in one of the Machine Tool Technology programs
  
2. Which of the following are reasons you are taking this course?**(Check all that Apply)**
  - Pursuing OCC's Associates Degree in Machine Tool Technology
  - Pursuing OCC's Certificate in Machine Tool Technology
  - Personal interest (enjoyment only, not for career reasons)
  - Increase my knowledge in a specific area of Machine Tool Technology
  - My employer encouraged me to take this course
  - To see if I like the field
  - Other reason: \_\_\_\_\_
  
3. In what way will you use the knowledge and skills gained in this course? **(Check all that Apply)**
  - Self-employment
  - Use knowledge in my current job
  - Get a new job with a different employer
  - Get a new job with current employer
  - Transfer to another college/university
  - Other \_\_\_\_\_
  
4. Is this your first time taking a college course?  Yes  No
  
5. Have you ever taken a course at OCC in the past?  Yes  No
  
6. How did you find out about this course? **(Check all that Apply)**
  - Employer
  - Friend/Family member
  - College catalog, advertisement or other college publications
  - College's web site
  - Contacted the College
  - Other: \_\_\_\_\_

7. Current employment status **(Check Only One)**

- Full-time (30 or more hours per week)
- Part-time (Less than 30 hours per week)
- Unemployed (actively looking for work) **go to question #10**
- Out of labor force (not looking for a job at this time) **go to question #10**

8. To what extent is this job related to Machine Tool Technology?

- Highly related       Somewhat related       Not at all related

9. Current job title: \_\_\_\_\_

10. Home zip code: \_\_\_\_\_

11. Year of birth: 19\_\_\_\_\_

12. Gender:  Female       Male

13. Race:  African American       White       Asian       Hispanic       Other \_\_\_\_\_

14. Your highest level of education attained thus far. **(Check Only One)**

- Some high school
- High school diploma
- Some college (no degree or certificate)
- Certificate from another community college, trade school or career school
- College degree →  Associates       Bachelors       Masters or higher

15. What are your long-term (next five years) educational goals? **(Check Only One)**

- Only take this one course
- Take a few more courses in Machine Tool Technology
- Take a few more courses, but not in Machine Tool Technology
- Obtain a Certificate or Degree in the area of Machine Tool Technology
- Obtain a Certificate or Degree in a field other than Machine Tool Technology
- Other: \_\_\_\_\_