



OAKLAND  
COMMUNITY  
COLLEGE

# **Automobile Servicing: In-Class Survey Fall 2002**

*Preliminary Report*

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## **Executive Summary**

### **Background/Methodology**

During the Fall semester of 2002, several students were enrolled in Automobile Servicing courses who did not declare an Automobile Servicing major. In order to determine why students enrolled in Automobile Servicing courses, a short In-Class Survey was administered to students enrolled during the Fall 2002 semester. Additionally, the data was compared to data from the Winter 2002 semester to determine if any differences existed.

A total of 76 students completed the survey this term. The distribution of respondents by course is as follows:

- ATA 1500 31
- ATA 1100 17
- ATA 1200 17
- ATA 1300 7
- ATA 1400 4

### **Key Findings**

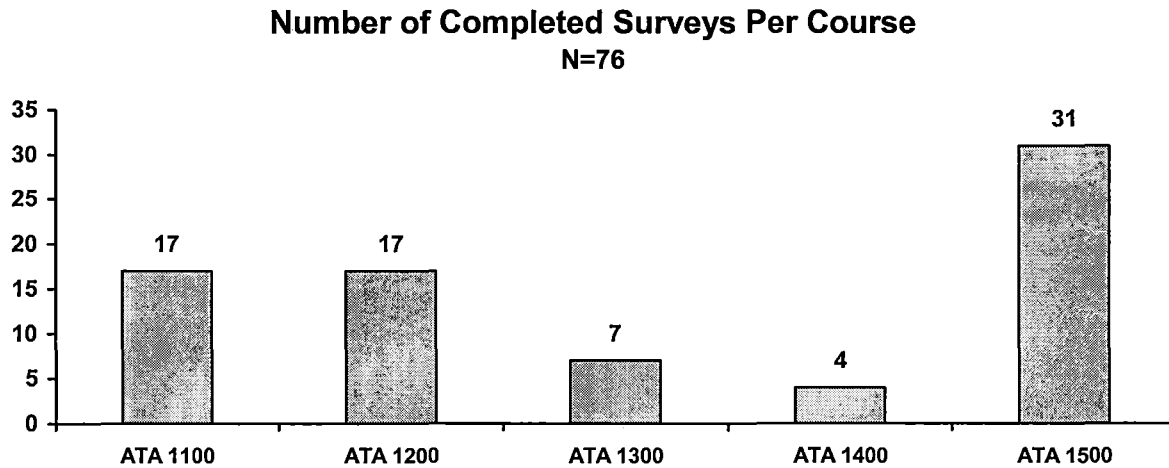
- An examination of educational intent among students who took Automobile Servicing courses revealed that 22.4% intend to obtain an associate degree in Automobile Servicing, and 19.7% intend to earn a certificate. Thirty-eight percent (38.2%) intend to earn both a certificate and associate degree in Automobile servicing, and 19.7% do not intend to earn a certificate or degree.
- Roughly one-third indicated that they took ATA courses in order to increase their knowledge in a specific area (35.5%) and 32.9% cited personal interest as their reason for taking the course.
- When asked how they planned to use the knowledge and skills acquired from the course, the top responses were self-employment (57.9%) and to seek a new job with a new employer (57.9%).
  - Compared to non-degree seekers, students pursuing a degree or certificate more often indicated that they planned to use their skills in a new job with a different employer.
- During Fall 2002, there was a larger percentage of first-time OCC students in Automobile Servicing courses, compared to Winter 2002. Fifty-two percent (52.0%) of Fall 2002 Automobile Servicing students had previously taken courses at OCC, compared to 75.0% of Winter 2002 students.
- The most popular source of information on Automobile Servicing courses was college publications (57.9%), followed by family and friends (25.0%).

- Despite the fact that most students worked at least part-time (74.6%), Fall 2002 students were more likely to be unemployed (24.0%) compared to Winter 2002 students (9.4% unemployed). However, more than half (57.3%) of Fall 2002 students surveyed worked full time.
- Students seeking a degree or certificate were less likely than non-degree seekers to currently have a job that was highly related to automobile servicing.
- The self-reported demographic profile of respondents is as follows:
  - Male – 97.3%
  - White – 77.1%
  - Median Age – 21 years, Mean Age – 25.4 years
  - Highest level of educational attainment: some college – 41.9%; high school diploma – 28.4%
- When asked about their long-term (next five years) educational goals, two-thirds (67.6%) indicated that they intend to obtain a degree or certificate in Automobile Servicing. Fifteen percent (15.5%) intend to take a few more classes in Automobile Servicing, and another 15.5% plan to obtain a degree or certificate in another field.
- Less than half (42.3%) of students have met with a counselor to discuss their educational goals.
- Just over one-quarter (26.8%) of Automobile Servicing students have taken similar courses at other schools. Of these 19 students, most (84.2%) have taken courses through programs at their high school, technical preparation programs, or vocational education programs. Only three of the nineteen students have taken courses at a trade school or career school, and only three have taken courses at another college.
- Twenty-six percent (26.0%) of respondents have taken four or more ATA courses.

| <b>Number of Courses Taken</b> |       |
|--------------------------------|-------|
| <i>Base (N):</i>               | 69    |
| 1 course                       | 29.0% |
| 2 courses                      | 21.7% |
| 3 courses                      | 20.3% |
| 4 or more courses              | 26.0% |

- Most (69.5%) of the respondents have taken ATA 110/ ATA 1100. More than half (55.9%) had taken ATA 150/ATA 1500 and 50.8% have taken ATA 140/ATA 1400.
- Non-degree seekers indicated that they took only four of the ten available courses: ATA 110/ATA 1100, ATA 120/ATA 1200, ATA 140/ATA 1400, and ATA 150/ATA 1500.

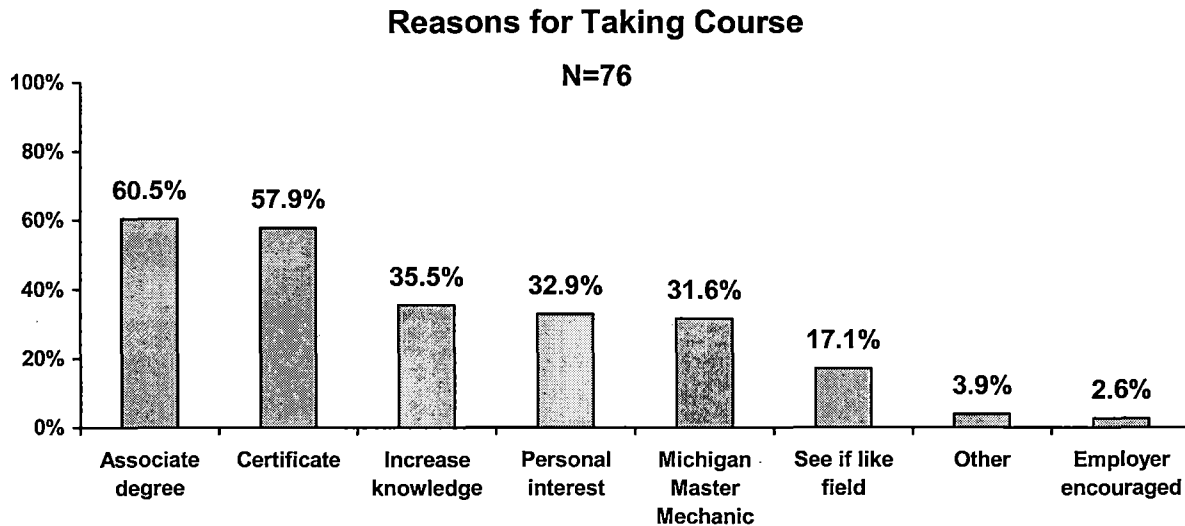
**Table 1: Completed Surveys Per Course**



**Summary:** During the Fall 2002 semester, a total of 76 surveys were completed by students in the five courses listed above. Thirty-one (or 40.8%) of those surveys were completed by students in the ATA 1500 course.

|  | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|--|--------------------|------------------|--------------|
| <i>Base (N):</i>                                     | 56                 | 76               | 132          |
| ATA 110 / ATA 1100                                   | 30.4%              | 22.4%            | 25.8%        |
| ATA 120 / ATA 1200                                   | 14.3               | 22.4             | 19.0         |
| ATA 130 / ATA 1300                                   | 10.7               | 9.2              | 9.8          |
| ATA 1400   | N/A                | 5.3              | 3.0          |
| ATA 150 / ATA 1500                                   | 25.0               | 40.8             | 34.1         |
| Don't know - ATA160, ATA140, ATA170, AUT111 combined | 19.6               | N/A              | 8.3          |

**Table 2: Reasons For Taking Courses**

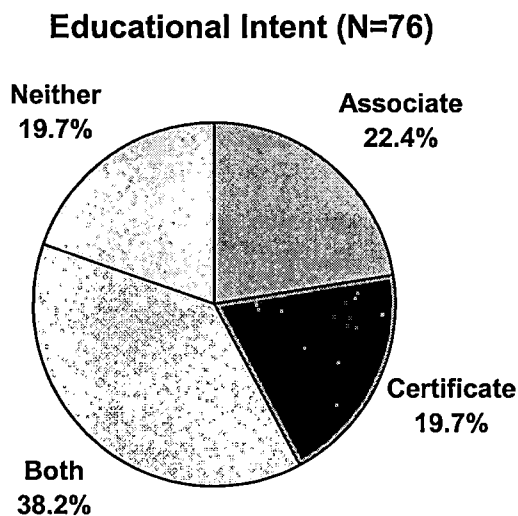


**Summary:** Several students cited multiple reasons for taking an Automobile Servicing course; therefore, when added together, totals exceeded 100%. Most (60.5%) of students took the course because they were pursuing an Associate Degree in Automobile Servicing, and 57.9% planned to pursue a certificate. One-third (35.5%) took the course to increase their knowledge in a specific area, and 32.9% indicated that they took the course for personal interest. Thirty-two percent (31.6%) took the course(s) to prepare for the State of Michigan Master Mechanic License Examination.

|  | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|--|--------------------|------------------|--------------|
| <i>Base (N):</i>                         | 56                 | 76               | 132          |
| OCC's associate degree in auto servicing | 53.6%              | 60.5%            | 57.6%        |
| OCC's certificate in auto servicing      | 46.4               | 57.9             | 53.0         |
| Increase knowledge in specific area      | 46.4               | 35.5             | 40.2         |
| Personal interest                        | 48.2               | 32.9             | 39.4         |
| Prepare for MI Master Mechanic License   | N/A                | 31.6             | 31.6         |
| See if like field                        | 16.1               | 17.1             | 16.7         |
| Employer encouraged                      | 8.9                | 2.6              | 5.3          |
| Other                                    | 7.1                | 3.9              | 5.3          |

**Summary:** When examining the students' reasons for taking the Automobile Servicing courses, there were no statistically significant differences between Winter 2002 and Fall 2002.

**Table 3: Educational Intent**



**Summary:** More than one-third (38.2%) of students plan to obtain both an associate degree and a certificate in Automobile Servicing. Twenty-two percent (22.4%) plan to obtain only an associate degree.

| Course Taken | <u>Seeking Degree and/or</u> | <u>Seeking Neither Degree</u> |
|--------------|------------------------------|-------------------------------|
|              | <u>Certificate</u>           | <u>nor Certificate</u>        |
| Base (n)     | 61                           | 15                            |
| ATA 1100     | 23.0%                        | 20.0%                         |
| ATA 1200     | 19.7                         | 33.3                          |
| ATA 1300     | 9.8                          | 6.7                           |
| ATA 1400     | 6.6                          | 0.0                           |
| ATA 1500     | 41.0                         | 40.0                          |

| Reason for Taking Course            | <u>Seeking Degree<br/>and/or Certificate</u> | <u>Seeking Neither Degree<br/>nor Certificate</u> |
|-------------------------------------|--|---|
| Base (n)                            | 61   | 15  |
| Personal interest                   | 27.9%  | 53.3%   |
| Increase knowledge in specific area | 29.5*  | 60.0*   |
| Employer encouraged                 | 3.3  | 0.0   |
| See if like field                   | 16.4   | 20.0  |
| Michigan Master Mechanics License   | 32.8   | 26.7  |
| Other                               | 1.6  | 13.3  |

\* Statistically significant difference between degree/certificate seekers and non-degree seekers at a 95% level of confidence.

**Summary:** Students who were seeking neither a degree nor certificate were more likely to say that they took courses in order to increase their knowledge in a specific area.

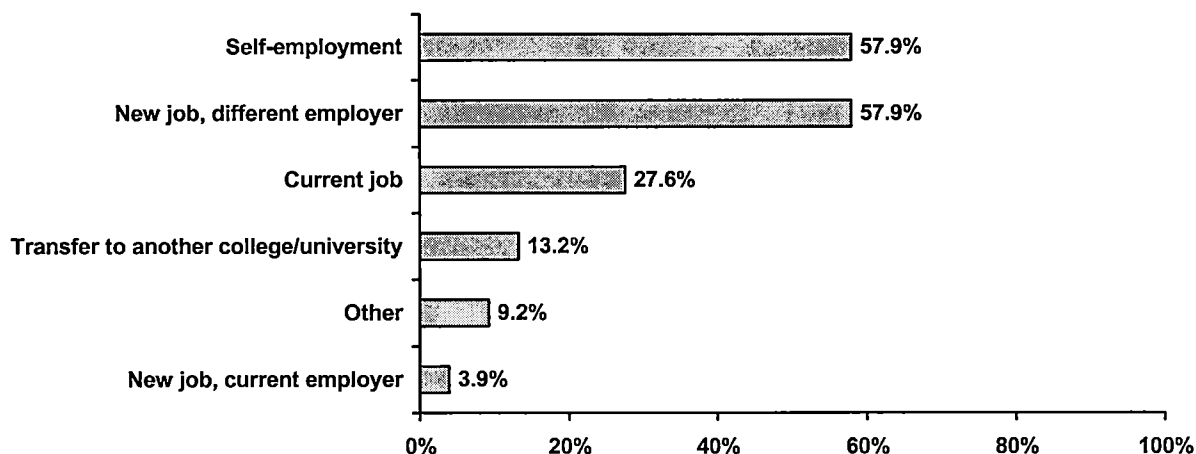
|                                   | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|-----------------------------------|--------------------|------------------|--------------|
| <b>N</b>                          | <b>56</b>          | <b>76</b>        | <b>132</b>   |
| Neither certificate nor associate | 33.9%              | 19.7%            | 25.8%        |
| Certificate only                  | 12.5               | 19.7             | 16.7         |
| Associate only                    | 19.6               | 22.4             | 21.2         |
| Both certificate and associate    | 33.9               | 38.2             | 36.4         |

**Summary:** When comparing Winter 2002 to Fall 2002, there were no statistically significant differences in educational intent.



**Table 4: How Students Planned To Use Knowledge And Skills Gained In Course**

In what way will you use the knowledge/skills gained in this course?  
 (n=76)



**Summary:** When asked how they planned to apply the knowledge and skills they've gained from the Automobile Servicing courses, the top two responses were self-employment (57.9%) and to find a new job with a new employer (57.9%). Just over one-fourth (27.6%) plan to use these skills in their current job.

Of the 9.2% who indicated other uses, the most common responses were for "personal knowledge/personal use" and "to fix their own car."

|  | <u>Seeking a Degree and/or Certificate</u> | <u>Seeking Neither Degree nor Certificate</u> |
|--|--|---|
| Base (n)                               | 61   | 15  |
| Self-employment                        | 60.7%                                      | 46.7%   |
| New job, different employer            | 67.2*                                      | 20.0*   |
| Current job                            | 23.0                                       | 46.7  |
| Transfer to another college/university | 14.8                                       | 6.7   |
| Other                                  | 4.9  | 26.7  |
| New job, current employer              | 4.9  | 0.0   |

\* Statistically significant difference between those seeking a degree/certificate and those seeking neither a degree nor certificate at a 95% level of significance.

**Summary:** Students seeking a degree or certificate were more likely to plan to use their newly acquired skills in a new job with a different employer.

Oakland Community College  
Automobile Servicing In-Class Survey Analysis  
Fall 2002

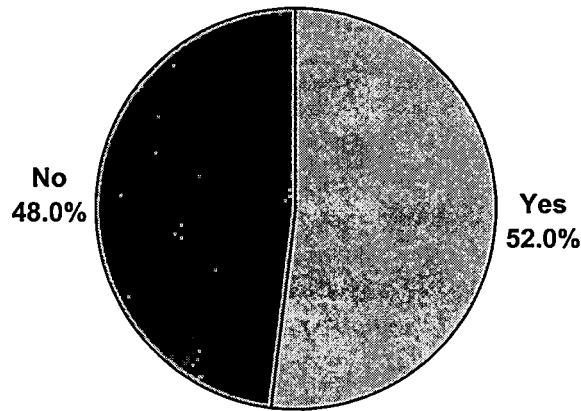
|  | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|--|--------------------|------------------|--------------|
| <i>Base (N):</i>                       | 56                 | 76               | 132          |
| Self-employment                        | 50.9%              | 57.9%            | 55.0%        |
| New job, different employer            | 49.1               | 57.9             | 54.2         |
| Current job                            | 34.5               | 27.6             | 30.5         |
| Transfer to another college/university | 25.5               | 13.2             | 18.3         |
| Other                                  | 20.0               | 9.2              | 13.7         |
| New job, current employer              | 16.4*              | 3.9*             | 9.2          |

\* Statistically significant difference between Winter 2002 and Fall 2002 at a 95% level of confidence.

**Summary:** Students who took Automobile Servicing courses during the Winter 2002 term were more likely than Fall 2002 students to plan to use their newly acquired skills in a new job with their current employer.

**Table 5: Ever Taken an OCC Course?**

Have you ever taken a course at OCC in the past?  
 (N=76)



**Summary:** Fifty-two percent (52.0%) of students indicated that they have taken courses at OCC in the past.

|  | <u>Seeking a Degree<br/>and/or Certificate</u> | <u>Seeking Neither<br/>Degree nor Certificate</u> |
|--|--|---|
| Base (n)                               | 60   | 15  |
| No, have not taken OCC classes in past | 50.0%  | 40.0%   |
| Yes, have taken OCC classes in past    | 50.0   | 60.0  |

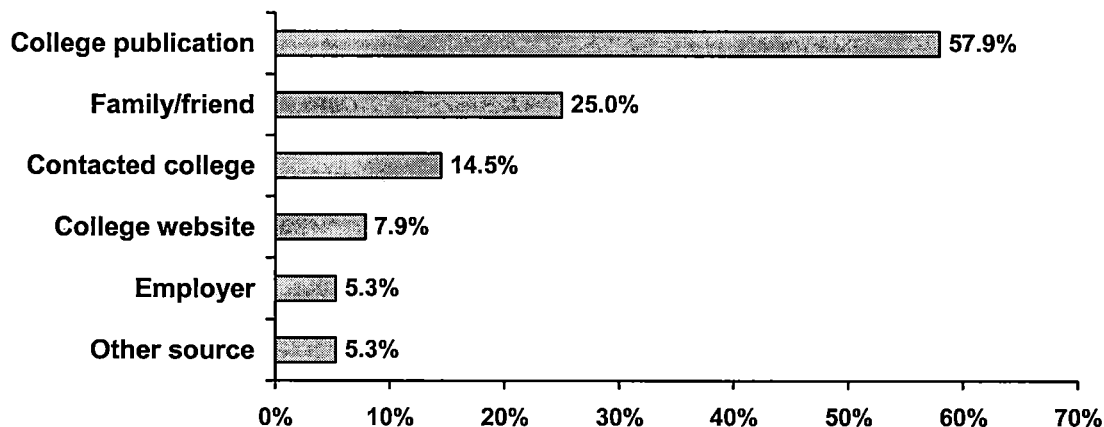
| Taken OCC Course in the Past? | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|-------------------------------|--------------------|------------------|--------------|
| Base (N):                     | 56                 | 75               | 131          |
| No                            | 25.0%*             | 48.0%*           | 38.2%        |
| Yes                           | 75.0*              | 52.0*            | 61.8         |

\* Statistically significant difference between Winter 2002 and Fall 2002 at a 95% level of confidence.

**Summary:** Fall 2002 students were more likely to be first-time OCC students, compared to Winter 2002 students.

**Table 6: How Students Learned About Courses**

How did you find out about this course? (N=76)



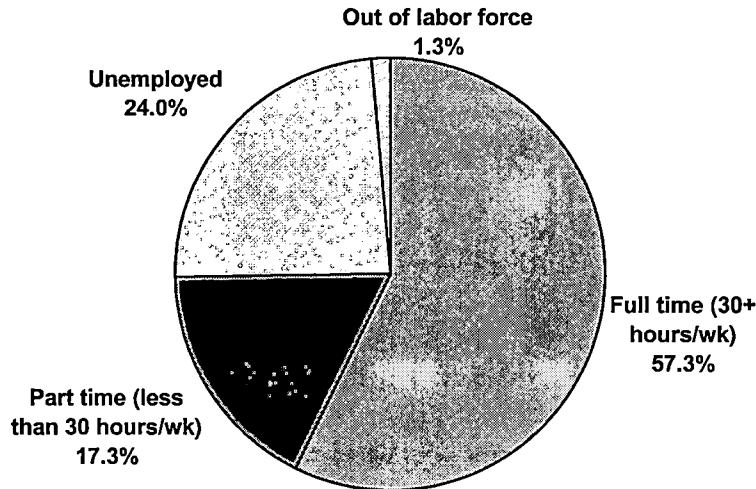
**Summary:** More than half (57.9%) learned about the Automobile Servicing courses from college publications or catalogs. Twenty-five percent (25.0%) learned about the courses from a friend or family member.

|                     | <u>Seeking a Degree and/or Certificate</u> | <u>Seeking Neither Degree nor Certificate</u> |
|---------------------|--|---|
| Base (n)            | 61   | 15  |
| College publication | 57.4%                                      | 60.0%   |
| Friend/family       | 23.0                                       | 33.3  |
| Contacted college   | 16.4                                       | 6.7   |
| College website     | 8.2  | 6.7   |
| Employer            | 3.3  | 13.3  |
| Other Source        | 4.9  | 6.7   |

|                     | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|---------------------|--------------------|------------------|--------------|
| Base (N):           | 56                 | 76               | 132          |
| College publication | 60.7%              | 57.9%            | 59.1%        |
| Friend/family       | 33.9               | 25.0             | 28.8         |
| Contacted college   | 19.6               | 14.5             | 16.7         |
| Other source        | 14.3               | 5.3              | 9.1          |
| College website     | 8.9                | 7.9              | 8.3          |
| Employer            | 8.9                | 5.3              | 6.8          |

**Table 7: Current Employment Status**

**Current Employment Status (N=75)**



**Summary:** Nearly three-quarters (74.6%) of Automobile Servicing students were currently employed. More than half (57.3%) worked full-time.

|                                 | <u>Seeking a Degree and/or Certificate</u> | <u>Seeking Neither Degree nor Certificate</u> |
|---------------------------------|--|---|
| Base (n)                        | 60   | 15  |
| Full-time (30+ hours/wk)        | 53.3%                                      | 73.3%   |
| Part-time (less than 30 hrs/wk) | 20.0                                       | 6.7   |
| Unemployed                      | 25.0                                       | 20.0  |
| Out of labor force              | 1.7  | 1.7   |

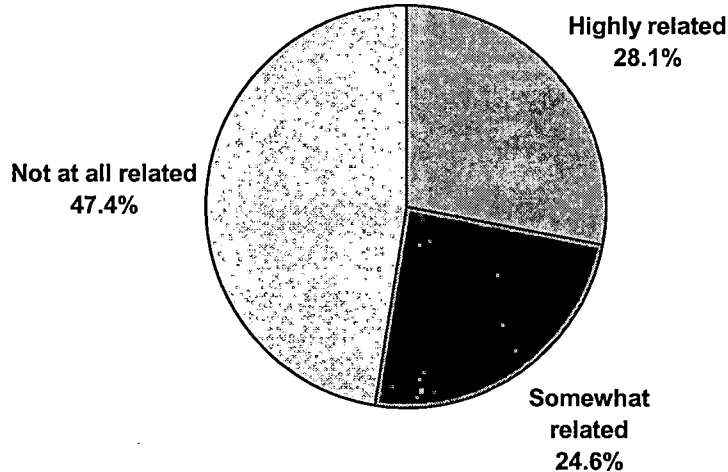
|                    | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|--------------------|--------------------|------------------|--------------|
| Base (N):          | 53                 | 75               | 128          |
| Full time          | 67.9%              | 57.3%            | 61.7%        |
| Part time          | 22.6               | 17.3             | 19.5         |
| Unemployed         | 9.4*               | 24.0*            | 18.0         |
| Out of labor force | 0.0                | 1.3              | 0.8          |

\* Statistically significant difference between Winter 2002 and Fall 2002 at a 95% level of confidence.

**Summary:** Fall 2002 students were more likely than Winter 2002 students to be unemployed.

**Table 8: Current Job Related To Automobile Servicing Profession**

**Current Job Related to Automobile Servicing Field?  
 (n=57)**



**Summary:** Slightly over half of employed students worked in jobs that were somewhat or highly related to the field of Automobile Servicing.

|                    | <u>Seeking a Degree and/or Certificate</u> | <u>Seeking Neither Degree nor Certificate</u> |
|--------------------|--|---|
| Base (n)           | 45   | 12  |
| Not at all related | 55.6%*                                     | 16.7%*  |
| Somewhat related   | 24.4                                       | 25.0  |
| Highly related     | 20.0*                                      | 58.3*   |

\* Statistically significant difference between those seeking a degree/certificate and those seeking neither a degree nor certificate at a 95% level of significance.

**Summary:** Students seeking neither a certificate nor degree were more likely to be employed in a field that is highly related to automobile servicing.

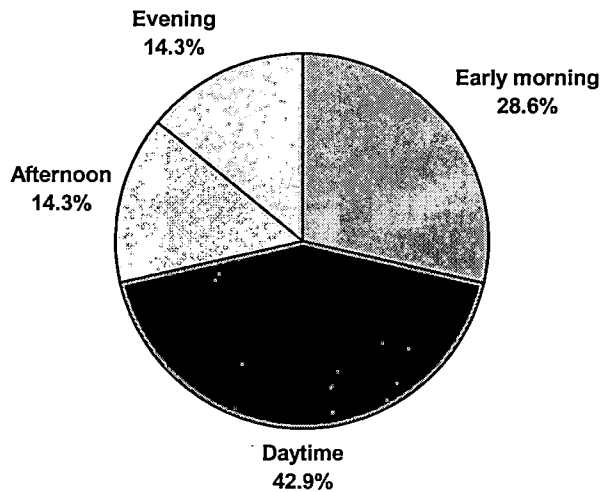
|                    | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|--------------------|--------------------|------------------|--------------|
| Base (N):          | 47                 | 57               | 104          |
| Highly related     | 42.6%              | 28.1%            | 34.6%        |
| Somewhat related   | 8.5*               | 24.6*            | 17.3         |
| Not at all related | 48.9               | 47.4             | 48.1         |

\* Statistically significant difference between Winter 2002 and Fall 2002 at a 95% level of confidence.

**Summary:** Employed Fall 2002 students were more likely to indicate that their current job was somewhat related to Automobile Servicing.

**Table 9: Time of Day Students Work Most Hours**

**Time of Day Students Work Most of Their Hours  
(N=49)**



**Summary:** When asked what time of day students worked most of their hours, 42.9% indicated daytime, while 28.6% listed early morning. However, these responses are subjective and may not match conventional definitions of these hours. For example, some students listed early morning hours as 9 AM to 5 PM, while others indicated these hours as daytime. A complete listing of responses appears in the appendix.

**Table 10: Current Job Title**

| <i>Students who are not pursuing a degree or certificate in Auto Servicing</i> |  |                  |                    |           |
|--|--|------------------|--------------------|-----------|
| Current job title  | To what extent is job related to Automobile Servicing? |                  |                    | Total     |
|  | Highly related   | Somewhat related | Not at all related |           |
| Developmental Mechanic   | 1  |                  |                    | 1         |
| Differential & Drive Train Technician  | 1  |                  |                    | 1         |
| GM Skilled Trades Apprentice   | 1  |                  |                    | 1         |
| Mechanic   | 1  |                  |                    | 1         |
| Service Engineer   | 1  |                  |                    | 1         |
| Technician   | 1  |                  |                    | 1         |
| Commercial Sales   |  | 1                |                    | 1         |
| Product Engineer   |  | 1                |                    | 1         |
| Cook/Line Cook/Baker   |  |                  | 1                  | 1         |
| Other  |  |                  | 1                  | 1         |
| <b>Total</b>   | <b>6</b>   | <b>2</b>         | <b>2</b>           | <b>10</b> |

| <i>Students who are pursuing an associate degree and/or certificate in Auto Servicing</i> |  |                  |                    |           |
|---|--|------------------|--------------------|-----------|
| Current job title   | To what extent is job related to Automobile Servicing? |                  |                    | Total     |
|   | Highly related   | Somewhat related | Not at all related |           |
| Cashier/Mechanic  | 1  | 1                |                    | 2         |
| Maintenance   | 1  |                  | 1                  | 2         |
| Apprentice/Apprentice Mechanic  | 1  |                  |                    | 1         |
| Automotive Detailer   | 1  |                  |                    | 1         |
| Mechanic  | 1  |                  |                    | 1         |
| Mechanic Helper/Mechanic Assistant  | 1  |                  |                    | 1         |
| Online Arbitrator   | 1  |                  |                    | 1         |
| Stock   | 1  |                  |                    | 1         |
| Technician  | 1  |                  |                    | 1         |
| Top Lube Technician/Quick Lube Technician   | 1  |                  |                    | 1         |
| Sales/Salesman/Salesperson  |  | 2                | 2                  | 4         |
| Assembler   |  | 2                |                    | 2         |
| Manager/Assistant Manager   |  | 1                | 2                  | 3         |
| Assistant Manager - Oil Change  |  | 1                |                    | 1         |
| Autobody Helper   |  | 1                |                    | 1         |
| Car Wash  |  | 1                |                    | 1         |
| Machine Repairman   |  | 1                |                    | 1         |
| Tire Technician   |  | 1                |                    | 1         |
| Coordinator   |  |                  | 2                  | 2         |
| Ski Sales Tech  |  |                  | 2                  | 2         |
| Waiter/Food Server/Server Assistant (Busser)  |  |                  | 2                  | 2         |
| Bartender   |  |                  | 1                  | 1         |
| Cashier   |  |                  | 1                  | 1         |
| Cook/Line Cook/Baker  |  |                  | 1                  | 1         |
| Software Developer  |  |                  | 1                  | 1         |
| Other   |  |                  | 3                  | 3         |
| <b>Total</b>  | <b>10</b>  | <b>11</b>        | <b>18</b>          | <b>39</b> |



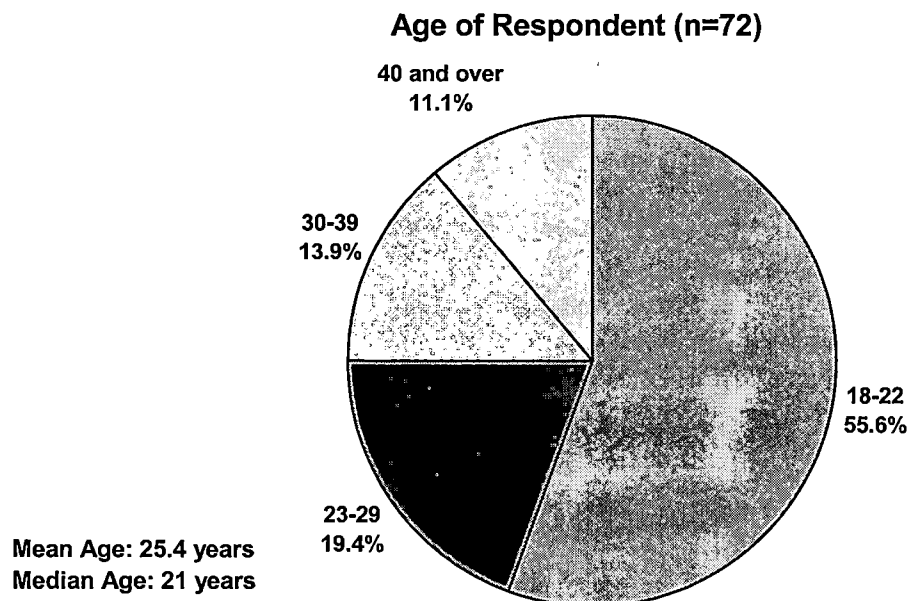
**Table 11: Home Residence**

|   |  |  |   |                                       |  |
|---|--|--|---|---------------------------------------|--|
| <u>Genesee County</u><br>(n=2)<br>3.5%    |  | <u>Lapeer County</u><br>(n=0)<br>0.0%  |   |                                       |  |
| <b>Livingston County</b><br>(n=0)<br>0.0% | <b><u>Northwest Oakland</u></b><br>(N=4)<br><br>7.0%<br><br><i>Region=2.3% of Oakland County population</i>    | <b><u>North Central Oakland</u></b><br>(N=7)<br><br>12.3%<br><br><i>Region=6.6% of Oakland County population</i> | <b><u>Northeast Oakland</u></b><br>(n=1)<br><br>1.8%<br><br><i>Region=5.3% of Oakland County population</i>       | <b>Macomb County</b><br>(N=2)<br>3.5% |  |
|   | <b><u>Central West Oakland</u></b><br>(n=1)<br><br>1.8%<br><br><i>Region=8.9% of Oakland County population</i> | <b><u>Central Oakland</u></b><br>(N=8)<br><br>14.0%<br><br><i>Region=15.6% of Oakland County population</i>      | <b><u>Central East Oakland</u></b><br>(N=14)<br><br>24.6%<br><br><i>Region=18.4% of Oakland County population</i> |                                       |  |
|   | <b><u>Southwest Oakland</u></b><br>(N=3)<br><br>5.3%<br><br><i>Region=7.7% of Oakland County population</i>    | <b><u>South Central Oakland</u></b><br>(N=3)<br><br>5.3%<br><br><i>Region=11.7% of Oakland County population</i> | <b><u>Southeast Oakland</u></b><br>(N=11)<br><br>19.3%<br><br><i>Region=23.5% of Oakland County population</i>    |                                       |  |
| <u>Washtenaw County</u><br>(n=0)<br>0.0%  |  | <u>Wayne County</u><br>(N=1)<br>1.8%   |   |                                       |  |

(N = 57)

**Summary:** The vast majority (91.2%) of respondents were from Oakland County.

**Table 12: Age**



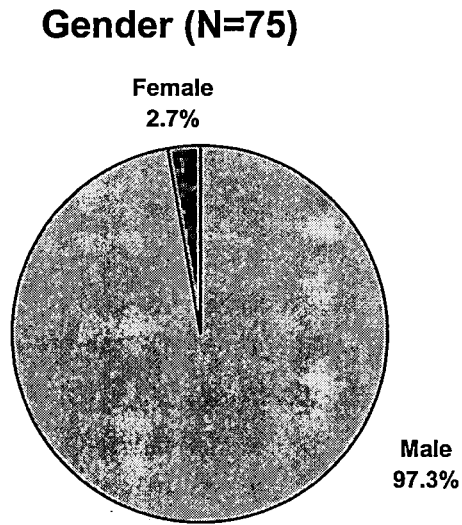
**Summary:** Half of all Automobile Servicing students were under the age of 21, and the average age was approximately 25 years. Most (55.6%) of these students were in the 18-22 age range.

|                   | <u>Seeking a Degree and/or<br/>Certificate</u> | <u>Seeking Neither Degree<br/>nor Certificate</u> |
|-------------------|--|---|
| <i>Base (n)</i>   | 57   | 15  |
| 18 - 22 years     | 56.1%  | 53.3%   |
| 23 - 29 years     | 19.3   | 20.0  |
| 30 - 39 years     | 12.3   | 20.0  |
| 40 years and over | 12.3   | 6.7   |

**Summary:** Regardless of educational intent, more than half of students were between the ages of 18 and 22.

|                   | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|-------------------|--------------------|------------------|--------------|
| <i>Base (n):</i>  | 52                 | 72               | 124          |
| Under 18 years    | 1.9%               | 0.0%             | 0.8%         |
| 18 - 22 years     | 61.5               | 55.6             | 58.1         |
| 23 - 29 years     | 13.5               | 19.4             | 16.9         |
| 30 - 39 years     | 9.6                | 13.9             | 12.1         |
| 40 years and over | 13.5               | 11.1             | 12.1         |

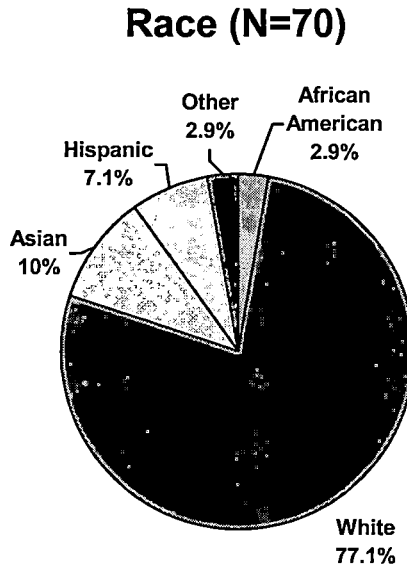
**Table 13: Gender**



**Summary:** Only two of the students in the Fall 2002 Automobile Servicing courses were female. One was seeking a certificate and the other did not plan to obtain a degree or certificate.

|           | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|-----------|--------------------|------------------|--------------|
| Base (N): | 52                 | 75               | 127          |
| Male      | 98.1%              | 97.3%            | 97.6%        |
| Female    | 1.9                | 2.7              | 2.4          |

**Table 14: Race**



**Summary:** The majority of students in the Automobile Servicing courses were White.

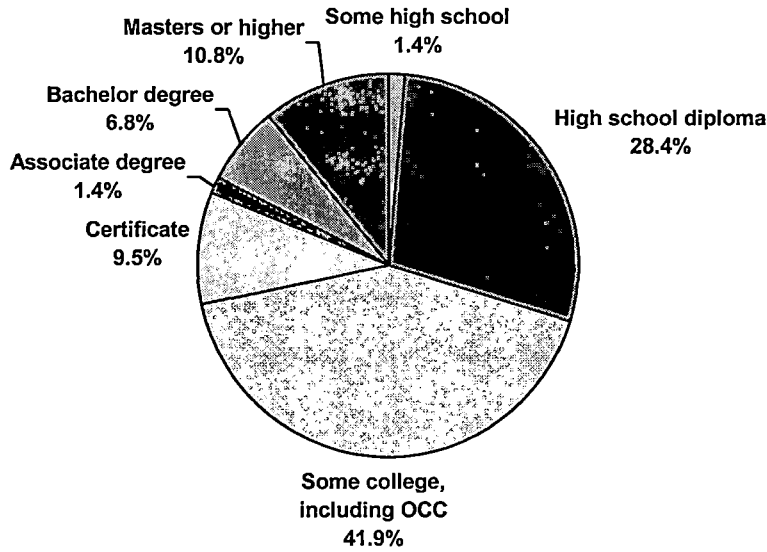
|                  | <u>Seeking a Degree and/or<br/>Certificate</u> | <u>Not Seeking Degree or<br/>Certificate</u> |
|------------------|--|--|
| Base (n)         | 55   | 15   |
| White            | 76.4%  | 80.0%  |
| African American | 3.6  | 0.0  |
| Asian            | 12.7   | 0.0  |
| Hispanic         | 5.5  | 13.3   |
| Other            | 1.8  | 6.7  |

|                  | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|------------------|--------------------|------------------|--------------|
| Base (N):        | 50                 | 70               | 120          |
| White            | 84.0%              | 77.1%            | 80.0%        |
| Asian            | 8.0                | 10.0             | 9.2          |
| African American | 8.0                | 2.9              | 5.0          |
| Hispanic         | 0.0*               | 7.1*             | 4.2          |
| Other            | 0.0                | 2.9              | 1.7          |

\* Statistically significant difference between Winter 2002 and Fall 2002 at a 95% level of confidence.

**Table 15: Educational Attainment**

**Highest Level of Education Attained (N=74)**



**Summary:** Nearly thirty percent (29.8%) of Fall 2002 Automobile Servicing students were first time college students. Interestingly, 28.5% of students indicated that they have already obtained a post-secondary certificate or degree.

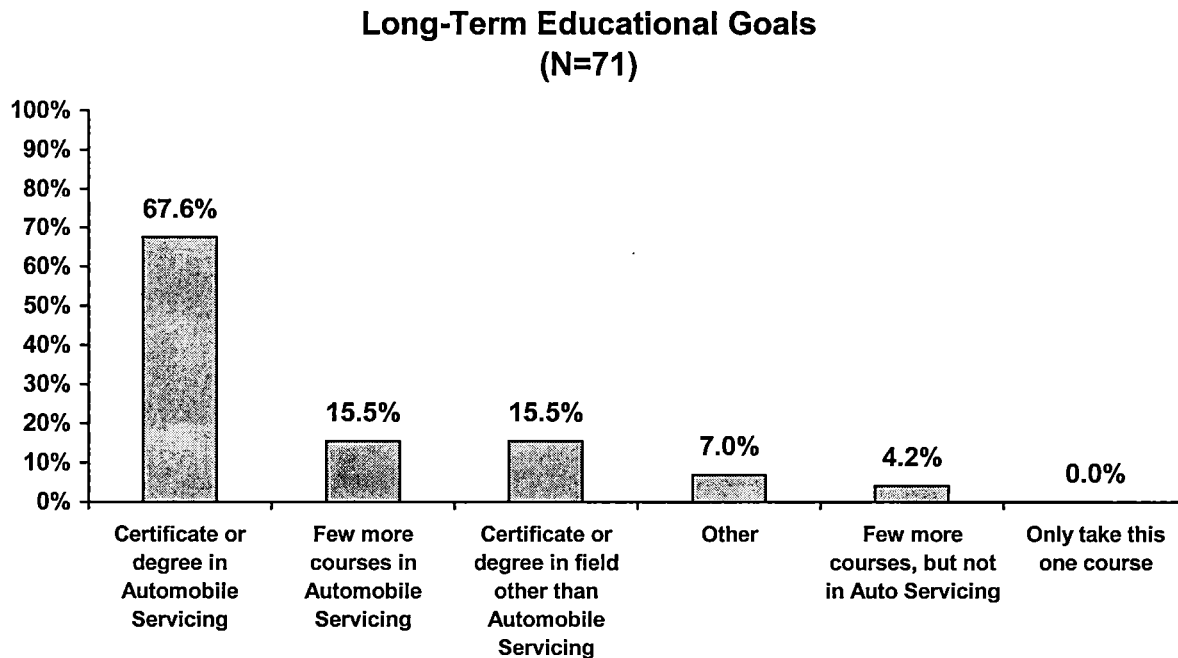
|                          | <u>Seeking a Degree and/or Certificate</u> | <u>Not Seeking Degree or Certificate</u> |
|--------------------------|--|--|
| <i>Base (N)</i>          | 59   | 15                                       |
| Some high school         | 1.7%                                       | 0.0%                                     |
| High school diploma      | 30.5                                       | 20.0                                     |
| <i>Any College</i>       | 67.9                                       | 80.0                                     |
| Some college             | 40.7                                       | 46.7                                     |
| Certificate              | 8.5  | 13.3                                     |
| Associate degree         | 1.7  | 0.0                                      |
| Bachelor degree          | 8.5  | 0.0                                      |
| Masters degree or higher | 8.5  | 20.0                                     |

|                             | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|-----------------------------|--------------------|------------------|--------------|
| <i>Base (N):</i>            | 53                 | 74               | 127          |
| Some high school            | 5.7%               | 1.4%             | 3.1%         |
| High school diploma         | 18.9               | 28.4             | 24.4         |
| Some college, including OCC | 62.3*              | 41.9*            | 50.4         |
| Certificate                 | 1.9                | 9.5              | 6.3          |
| Associate degree            | 5.7                | 1.4              | 3.1          |
| Bachelor degree             | 1.9                | 6.8              | 4.7          |
| Masters or higher           | 3.8                | 10.8             | 7.9          |

\* Statistically significant difference between Winter 2002 and Fall 2002 at a 95% level of confidence.

**Summary:** Students in the Fall 2002 courses were more likely to have been First Time In Any College (FTIAC) students.

**Table 16: Long-Term Educational Goals (Next Five Years)**



**Summary:** Two-thirds of students in Automobile Servicing courses during the Fall of 2002 intended to obtain a certificate or degree in the field.

- Although instructed to mark only one choice, seven students (9.9%) marked more than one choice. Of those seven students, six indicated that they plan to obtain a certificate or degree in Automobile Servicing *and* obtain a certificate or degree from another program.

|   | <u>Seeking a Degree<br/>and/or Certificate</u> | <u>Not Seeking Degree<br/>or Certificate</u> |
|---|--|--|
| <i>Base (n)</i>   | 57   | 14   |
| Only take this one course                                       | 0.0%   | 0.0%   |
| Few more courses in Auto Servicing                              | 7.0*   | 50.0*  |
| Few more courses, not in Auto Servicing                         | 0.0  | 21.4   |
| Obtain certificate or degree in Auto Servicing                  | 80.7*  | 14.3*  |
| Obtain certificate or degree in field other than Auto Servicing | 15.8   | 14.3   |
| Other   | 14.3   | 5.3  |

\* Statistically significant difference between degree/certificate-seekers and students seeking neither at a 95% level of significance.

**Summary:** Students seeking neither a degree nor certificate were more likely to state that they plan to take only a few more courses in Automobile Servicing.

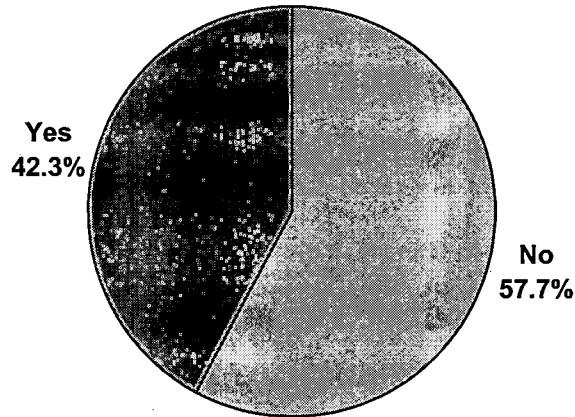
Oakland Community College  
Automobile Servicing In-Class Survey Analysis  
Fall 2002

|   | <u>Winter 2002</u> | <u>Fall 2002</u> | <u>Total</u> |
|---|--------------------|------------------|--------------|
| <i>Base (n):</i>  | 52                 | 71               | 123          |
| Obtain degree or certificate in Auto Servicing                  | 57.7%              | 67.6%            | 63.4%        |
| Few more courses in Auto Servicing                              | 25.0               | 15.5             | 19.5         |
| Obtain degree or certificate in field other than Auto Servicing | 23.1               | 15.5             | 18.7         |
| Few more courses, not in Auto Servicing                         | 7.7                | 4.2              | 5.7          |
| Other   | 5.8                | 7.0              | 6.5          |



**Table 17: Interaction With Counselor Regarding Educational Goals**

Percent of Students Who Met With Counselor to Discuss  
 Educational Goals  
 (N=71)

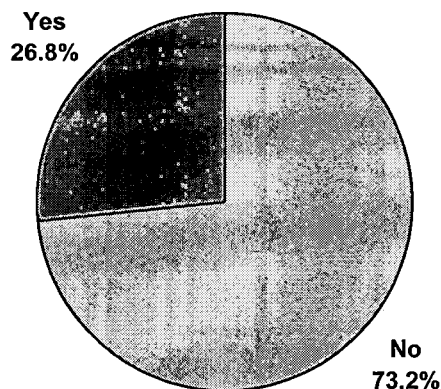


**Summary:** More than half (57.7%) of students in Fall 2002 Automobile Servicing courses had *not* met with a counselor to discuss their educational goals.

|                                 | <u>Seeking a Degree<br/>and/or Certificate</u> | <u>Not Seeking Degree or<br/>Certificate</u> |
|---------------------------------|--|--|
| Base (N)                        | 57   | 14   |
| No, have not met with counselor | 56.1%  | 64.3%  |
| Yes, have met with counselor    | 43.9   | 35.7   |

**Table 18: Students Who Have Taken Similar Courses at Other Schools**

Percent of Students Who Have Taken Similar Courses Related to  
 Automobile Servicing at Any Other Schools  
 (N=71)

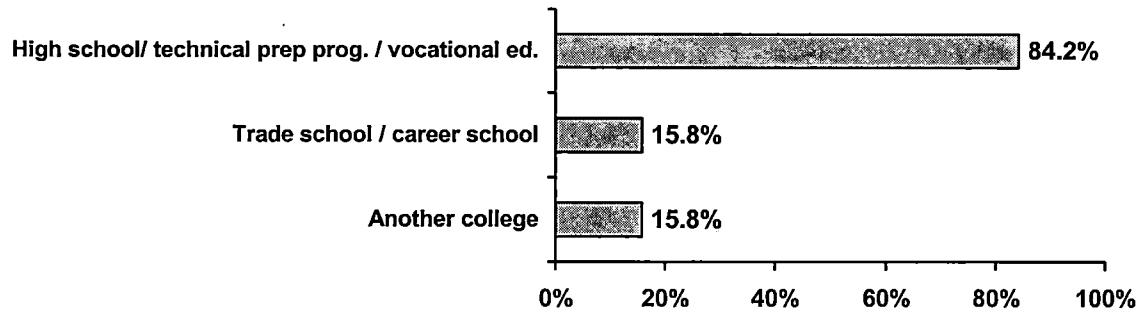


**Summary:** Approximately one-fourth (26.8%) of students surveyed have taken courses related to automobile servicing at other schools.

|   | <u>Seeking a Degree<br/>and/or Certificate</u> | <u>Not Seeking Degree or<br/>Certificate</u> |
|---|--|--|
| <i>Base (N)</i>                                     | 57   | 14   |
| No, have not taken similar courses at other schools | 75.4%  | 64.3%  |
| Yes, have taken similar courses at other schools    | 24.6   | 35.7   |

**Table 19: Other Schools At Which Students Have Taken Courses**

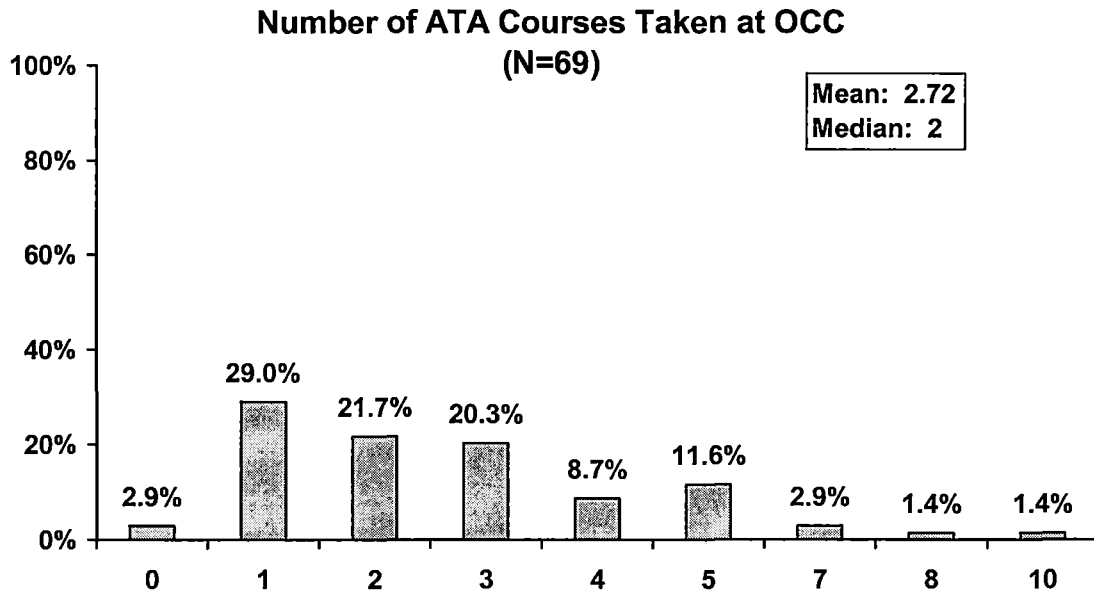
**Other Schools at Which Automobile Servicing Students  
 Have Taken Related Courses  
 (N=19)**



**Summary:** Of the 19 students who have taken related courses at other institutions, most have taken high school or vocational education courses.

|   | <u>Seeking Degree<br/>and/or Certificate</u> | <u>Not Seeking Degree<br/>or Certificate</u> |
|---|--|--|
| <i>Base (n):</i>                                | 14   | 5  |
| High school/Technical prep prog./Vocational ed. | 92.9%  | 40.0%  |
| Trade school / Career School                    | 7.1  | 40.0   |
| Another college                                 | 14.3   | 20.0   |

**Table 20: Number of Automobile Service Courses Taken at OCC**

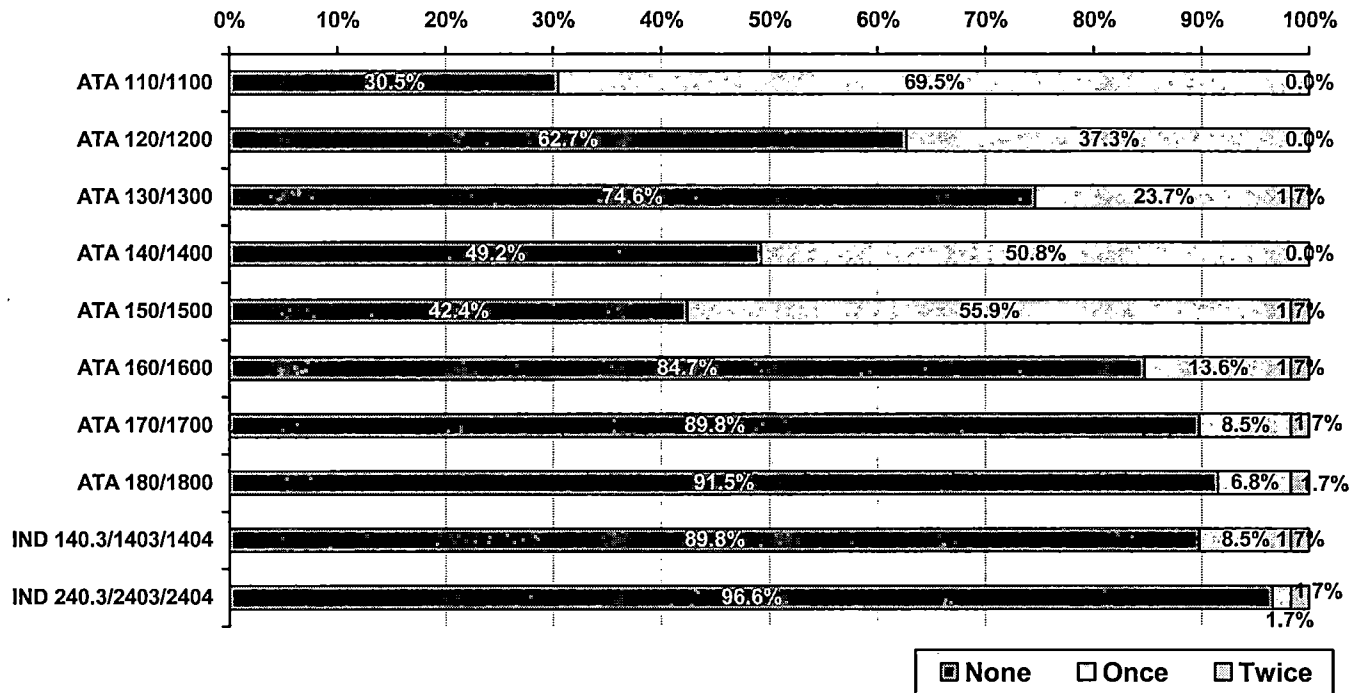


**Summary:** Twenty-nine percent (29.0%) of respondents have only taken one ATA course, and 21.7% have taken two courses. Twenty-six percent (26.0%) have taken four or more ATA courses. The average number of courses taken was 2.72.

| # ATA Courses Taken<br><i>Base (n):</i> | <u>Seeking Degree and/or Certificate</u> | <u>Not Seeking Degree or Certificate</u> |
|---|--|--|
|   | 55                                       | 14                                       |
| 0                                       | 3.6%                                     | 0.0%                                     |
| 1                                       | 23.6                                     | 50.0                                     |
| 2                                       | 18.2                                     | 35.7                                     |
| 3                                       | 21.8                                     | 14.3                                     |
| 4                                       | 10.9*                                    | 0.0*                                     |
| 5                                       | 14.5*                                    | 0.0*                                     |
| 7                                       | 3.6                                      | 0.0                                      |
| 8                                       | 1.8                                      | 0.0                                      |
| 10                                      | 1.8                                      | 0.0                                      |
| Mean # courses taken                    | 3.0*                                     | 1.64*                                    |

**Summary:** As expected, students seeking a degree or certificate in Automobile Servicing took more classes than those not seeking a degree or certificate.

**Table 21: Number of Times Students Took Each ATA Course**



**Summary:** Most students did not repeat ATA courses. Most (69.5%) respondents have taken the ATA 110/1100 course at least once, and 57.6% have taken ATA 150/1500 at least once.

|                     | % of Students Who Took Course At Least Once |  |
|---------------------|---|--|
|                     | <u>Seeking Degree and/or Certificate</u>    | <u>Not Seeking Degree or Certificate</u> |
| Base (N):           | 48  | 11                                       |
| ATA 100/1100        | 77.1%                                       | 36.4%                                    |
| ATA 120/1200        | 39.6  | 27.3                                     |
| ATA 130/1300        | 31.2  | 0.0                                      |
| ATA 140/1400        | 58.3  | 18.2                                     |
| ATA 150/1500        | 54.2  | 72.7                                     |
| ATA 160/1600        | 18.7  | 0.0                                      |
| ATA 170/1700        | 12.5  | 0.0                                      |
| ATA 180/1800        | 10.4  | 0.0                                      |
| IND 140.3/1403/1404 | 12.5  | 0.0                                      |
| IND 240.3/2403/2404 | 4.2   | 0.0                                      |

**Summary:** The only courses that have been taken by students who are not seeking a degree or certificate were ATA 110/1100, ATA 120/1200, ATA 140/1400, and ATA 150/1500.

**Appendix:**

**Student's Current Self-Reported Work Hours**

**Appendix: Actual Work Hours Listed by Respondent by Self-Reported Time of Day That They Work Most of Their Hours**

| Actual work hours listed | When do you work most of your hours (self-reported) |           |           |          | Total     |
|--------------------------|---|-----------|-----------|----------|-----------|
|                          | Early morning                                       | Daytime   | Afternoon | Evening  |           |
| 4AM - 10PM               | 1   | 0         | 0         | 0        | 1         |
| 5:30AM - 2PM             | 1   | 0         | 0         | 0        | 1         |
| 5AM - 2:30PM             | 1   | 0         | 0         | 0        | 1         |
| 6AM - 2:30PM             | 1   | 0         | 0         | 0        | 1         |
| 6AM - 3PM                | 1   | 0         | 0         | 0        | 1         |
| 6AM - 6PM                | 0   | 2         | 0         | 0        | 2         |
| 7AM - 3PM                | 1   | 0         | 0         | 0        | 1         |
| 7AM - 4PM                | 1   | 1         | 0         | 0        | 2         |
| 7AM - 4:30PM             | 0   | 1         | 0         | 0        | 1         |
| 7:30AM - 3:30PM          | 1   | 1         | 0         | 0        | 2         |
| 7:30AM - 6PM             | 0   | 1         | 0         | 0        | 1         |
| 7:30AM - 7:00PM          | 1   | 0         | 0         | 0        | 1         |
| 8AM - 4:30PM             | 0   | 1         | 0         | 0        | 1         |
| 8AM - 4PM                | 0   | 1         | 0         | 0        | 1         |
| 8AM - 5:30PM             | 0   | 1         | 0         | 0        | 1         |
| 8AM - 5PM                | 0   | 1         | 0         | 0        | 1         |
| 8AM - 6PM                | 1   | 0         | 0         | 0        | 1         |
| 8AM - 7PM                | 0   | 1         | 0         | 0        | 1         |
| 8AM - 8PM                | 1   | 0         | 0         | 0        | 1         |
| 8:30AM - 5:30PM          | 0   | 1         | 0         | 0        | 1         |
| 9AM - 12PM               | 1   | 0         | 0         | 0        | 1         |
| 9AM - 5:30PM             | 1   | 1         | 0         | 0        | 2         |
| 9AM - 5PM                | 1   | 1         | 0         | 0        | 2         |
| 9AM - 6PM                | 0   | 2         | 0         | 0        | 2         |
| 10AM - 11PM              | 0   | 1         | 0         | 0        | 1         |
| 10AM - 1AM               | 0   | 0         | 1         | 0        | 1         |
| 10AM - 6PM               | 0   | 2         | 0         | 0        | 2         |
| 10AM - 7PM               | 0   | 0         | 1         | 0        | 1         |
| 10AM - 9PM               | 0   | 1         | 0         | 0        | 1         |
| 2PM - 11PM               | 0   | 0         | 1         | 0        | 1         |
| 2:30PM - 10:30P          | 0   | 0         | 2         | 0        | 2         |
| 3PM - 8PM                | 0   | 0         | 1         | 0        | 1         |
| 3PM - 10PM               | 0   | 0         | 0         | 1        | 1         |
| 3PM - 11PM               | 0   | 0         | 0         | 1        | 1         |
| 4PM - 11:30PM            | 0   | 0         | 1         | 0        | 1         |
| 4PM - 12AM               | 0   | 0         | 0         | 3        | 3         |
| 6PM - 12AM               | 0   | 0         | 0         | 1        | 1         |
| 7PM - 3AM                | 0   | 0         | 0         | 1        | 1         |
| <b>Total Answering</b>   | <b>14</b>   | <b>21</b> | <b>7</b>  | <b>7</b> | <b>49</b> |