# VOCATIONAL EDUCATION SEX EQUITY REPORT: <br> <br> POST-SECONDARY 1984 

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# VOCATIONAL EDUCATION SEX EQUITY REPORT: POST-SECONDARY 1984 

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COMMISSION ON THE ECONOMIC STATUS OF WOMEN
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The quality of American education has become a major national issue in the past several years. A number of reports have been issued - most notable A Nation at Risk. As a result there has been a focus on the needs of the educational system. Educational equity for women is an essential component of the quest for educational excellence.

The rapid surge of women into the labor force over recent decades reinforces the need of all women for an equitable education. Today more than ever women are firmly established members of our nation's work force. The 1970s witnessed an extraordinary increase in women's labor force participation. Women are now 43 percent of the labor force and nearly two-thirds of women age 16-64 work for pay.

While women have obtained jobs in just about every field of employment, the majority of women continue to work in the traditional professional, clerical and service jobs. Their earnings continue to average only 60 percent of the earnings of men. The increasing numbers of women who are the sole support of themselves and/or their families face particularly serious problems. Nationwide, women and children make up four-fifths of the poverty population.

When educational and occupational options of women are limited, not only the individuals involved, but the nation at large are hurt. Vocational education plays an important role in equippingwomen with the skills needed to compete in the labor market for better paying jobs, particularly in the skilled trades and in technical fields.

This report is the eighth in a series presenting data on the status of men and women in Minnesota's AVTI system. The format is like that of publications of the past several years. The body of the report provides current and trend data statewide for enrollment, budgets, and staff patterns. A detailed appendix provides information for individual AVTIs, a course-bycourse statewide listing, and definitions.

It should be noted that some enrollment changes may be due to several courses being assigned to a different curriculum area this year (e.g. Cosmetology and Food service). Courses previously assigned to trade-industrial have been assigned to home economics this year.

The data presented in this report can be used both statewide and at individual schools. Statistical information is no substitute for active sex equity efforts. However, the statistics can be used to indicate areas needing special efforts and to measure progress.

## AVTI ENROLLMENTS, 1982-83

Male students account for the majority of AVTI enrollments. In 1982-83, the total statewide enrollment of 49,386 consisted of 20,077 female students and 29,309 male students.

The AVTI system has a lower percentage of female students than all other public post-secondary systems in Minnesota -- the Community College system ( 57 percent female), the State University system ( 53 percent female), and the University of Minnesota system ( 45 percent female). In the fall of 1982, AVTIs had higher enrollments than any of these systems except the University of Minnesota.

Women are the majority of students at three AVTIs: Brainerd, Rochester, and Willmar. At ten additional AVTIs, women represent less than one-third of students. Women account for one-third to one-half of students at the remaining 20 AVTIs. (See Table 1.)

AVTI HEADCOUNT, 1982-83

59. 3\%

## 49,386 STUDENTS

Except where otherwise noted, all enrollment data in this report refer to an actual student headcount of all students enrolled at a particular time during the school year. Average daily membership, the usual measure of enrollment, is not reported by sex. Enrollment data also, exclude students participating in special needs programs except as noted.

## AVTI ENROLLMENT TRENDS

Total enrollment in Minnesota's AVTIs decreased by 499 students between 1981-82 and 1982-83. The percentage of AVTI students who are women dropped slightly.

Overall, female enrollments have remained fairly constant. Since 1977-78, there has been a 16 percent increase in both female and male students.


## PROGRAM TYPES, 1982-83

A total of 768 programs are offered at individual AVTIs in the state, with an average of 23 programs per school.

Nearly three-fourths of AVTI programs are "segregated." This term is not meant to imply that segregation is intentional. In this report, a segregated program is defined as one in which more than 80 percent of the students are of one sex.

Segregated programs in which more than 80 percent of students are men are defined as "male" programs, and those in which more than 80 percent of the students are women are defined as "female" programs. All other programs are considered "integrated"

For example, Auto Mechanics is usually a segregared "male" course and Nursing is usually a segregated "female" course, while General Merchandising is usually an integrated course. A course may be segregated at one AVTI and integrated at another AVTI.

AVTI PROGRAMS, 1982-83


## 768 PROGRAMS

Of the 768 programs offered at individual AVTIs, 369 are segregated "male" programs and 201 are segregated "female" programs. In fact, thirty percent of programs are either all-male or all-female. (See Tables 2 and 4.)

## PROGRAM TYPES - TRENDS

The number of AVTI programs which are integrated increased in the last year.

The total number of programs offered at individual AVTIs has increased by over 1 percent in this period, while the number of integrated programs has increased by 20 percent. Integrated programs account for one-quarter of all AVTI programs.


## PROGRAM TYPES - TRENDS, continued

Segregated programs are not evenly divided into "male" and "female" courses. In all five years reported here, segregated "male" courses have outnumbered segregated "female" courses by a substantial margin.

Data for the last years show a slight reversal of the trend toward equalizing numbers of "male" and "female" programs. There has been a net decrease in the number of "male" programs and the number of "female" programs.


## ENROLLMENTS BY PROGRAM TYPE, 1982-83

The number of students enrolled in a program varies widely from 4 students in General Merchandising/Retail Sales at Pine City AVTI to 634 in General Secretarial/Clerical Occupations with Shorthand at Suburban Hennepin AVTI. For this reason, it is helpful to compare the numbers of students as well as the numbers of programs, to determine enrollment patterns by sex.

A "traditional" student is one enrolled in a segregated program dominated by students of the same sex - men in "male" courses and women in "female" courses. A "non-traditional" student is one enrolled in a course in which more than 80 percent of students are of the other sex.

As shown in the chart below, the large majority of AVTI students are enrolled in traditional programs, while about 1 in 30 students are enrolled in programs which are non-traditional for their sex. More than one-quarter of all AVTI students are enrolled in integrated programs.

## AVTI ENROLLMENT BY PROGRAM TYPE, 1982-83



49,386 STUDENTS
At seven AVTIs -- Brainerd, Dakota County, Mankato, Minneapolis, Moorhead, 916 and St. Cloud -- integrated programs account for more than one-third of all students.

Hibbing and East Grand Forks have the largest proportion of students enrolled in non-traditional programs, accounting for 8 and 6 percent respectively. (See Table 5.)

## ENROLLMENTS BY PROGRAM TYPE, continued

Both male and female students are likely to be enrolled in programs which are traditional for their sex, and unlikely to be enrolled in nontraditional programs. However, there are differences in the enrollment patterns of men and women attending AVTIs.

Female students are more likely than male students to be enrolled in integrated programs -- 34 percent of women compared with 24 percent of men. Female students are almost three times as likely as male students to be enrolled in non-traditonal programs -- about 1 in 19 female students compared with about 1 in 48 male students. (See Tables 6 and 7.)
avti enrollment by procram TyPe, 1982-83


29,309 MALE STUDENTS

INTEGRATED - 34.3\%


TRADITIONAL
FEMALE - 60.5\%

20,077 FEMALE STUDENTS

Statewide, almost one-fifth of AVTI students are enrolled in programs which are either all-male or all-female. There are 5,814 male students in programs with no women and 3,744 female students in courses with no men. (See Table 3.)

In addition, many courses have only 1 female student or only l male student. These pioneering students are in courses with an average of 46 students of the other sex. Sixty-six women are "the only woman" in courses such as Auto Mechanics and Production Agriculture. Twenty-eight men are "the only man" in courses such as Practical Nursing and Child Care.

## ENROLLMENTS BY PROGRAM TYPE - TRENDS

Very little change occurred from 1979-80 through 1981-82 in enrollment patterns for traditional, non-traditional, and integrated programs. This past year there was a decrease in traditional enrollments and an increase in integrated enrollment. Non-traditional enrollments decreased slightly. Part of the changes this year can be accounted for by the assignment of several courses to different curriculum areas than previous years.

The proportion of students enrolled in integrated programs has increased from just over one-fifth of all students to more than one-quarter of students. Non-traditional programs account for less than 1 in 30 students, and there has been relatively little change in this area since 1977-78.


## ENROLLMENTS BY PROGRAM TYPE - TRENDS, cont.

There has been more change in female enrollment patterns than in male enrollment patterns.

Female integrated enrollments have increased from fewer than 1 in 4 to more than 1 in 3. Female non-traditional enrollments decreased after a high of 6\% in 1981-82.



Since 1977-78 there has been positive change in male enroliment patterns. However, this change has been at a slower rate than that of female enrollments.

Male enrollments in integrated programs have increased from about 1 in 5 to almost 1 in 4.

## ENROLLMENT BY CURRICULUM AREA, 1982-83

The chart below shows the distribution of male and female students in the seven AVTI curriculum areas.

Almost two-thirds of female students are enrolled in health or business-office programs, while nearly three-fourths of male students are enrolled in technical or trade-industrial programs. (See Table 8.)

AVTI HEADCOUNT BY CURRICULUM AREA, 1982-83

|  | 1 MaLES $\overbrace{}^{\circ} \mathrm{FEMALES}$ |  |
| :---: | :---: | :---: |
| AGRI CULTURE | 1000 | 4\% |
| DISTRIBUTION |  | 7\% |
| HEALTH |  | 11\% |
| HOME ECONOMICS | VAMOM0 | 8\% |
| OFFICE |  | 22\% |
| TECHNICAL |  | 13\% |
| TRADE $\varepsilon$ INDUSTRIAL |  <br>  | 35\% |

Each figure represents approximately $1 \%$ of total enrollment, or 494 students.

There is also segregation within program areas. For example, three-fourths of male office students are enrolled in just 2 of the 18 courses offered: Accounting and Data Processing.

More than half of female students in the trade-industrial area are enrolled in just 2 of the 56 courses: Commercial Art and Graphic Arts. (See table 11.)

# ENROLLMENT BY CURRICULUM AREA - TRENDS 

There have been few changes in the patterns of male and female enrollment by program since 1977-78. Agriculture, technical, and tradeindustrial courses continue to be "male" courses; business and office is nearly 80 percent female. Home economics and distribution are more balanced areas, although distribution is less balanced than it was in 1977-78. Home economics enrollments this year reflect the addition of some courses (e.g. Cosmetology and Food Service) which had previously been assigned to trade-industrial.

The charts below and on the following pages show changes in enrollment patterns by curriculum area. For more information on enrollment in specific courses in 1982-83, see Table 11 in the appendix to this report.

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Women represent about 1 in 7 agriculture students.

Female enrollments in this area are below that of 1977.

Of the 12 agriculture courses offered statewide, 6 are "male" courses, one is a "female" course, and 5 are integrated courses. The "male" courses account for just over half of students, down from three-fourths of students last year.


## CURRICULUM AREA - TRENDS, cont.

Distrituion has historically been the most balanced by sex of the curriculum areas, although this past year shows less balance than previous years.

Of the 24 distribution programs offered statewide, 12 are integrated while 6 are "male" courses and 6 are "female" courses. Over two-thirds of students are enrolled in the integrated courses.


Men now represent nearly 1 in 8 heal th students. Their enrollment has increased by 88 percent since 1977-78 compared to a 4 percent decrease in female enrollments.

Of the 20 health courses offered statewide, 10 are "female courses, 3 are "male" courses, and 7 are integrated courses. Ninety percent of health students are enrolled in a "female" class.

## CURRICULUM AREA - TRENDS, cont.

There has been more change in the home economics area than any other. Men now represent more than 1 in 3 students. Part of this change is due to the addition of courses which had previously been assigned to trade-industrial.

Of the 22 home economics courses offered statewide, 8 are "female", 9 are integrated, and 5 are "male". More than two-fifths of students are enrolled in integrated courses.


Men represent 1 in 5 businessoffice students, and there has been little change in this area since 1977-78.

Of the 18 courses offered statewide, 10 are "female" courses, and 8 are integrated courses. Nearly half the students are enrolled in the integrated courses.

## CURRICULUM AREA - TRENDS, cont.

Women account for about 1 in 8 technical students. Although their representation decreased in the last several years, it remains above the level of 1977-78.

Of the 31 technical courses offered statewide, 23 are "male" courses and 8 are integrated courses. The "male" courses account for nine-tenths of the students.



Women account for about 1 in 13 trade-industrial students. The drop in female enrollments in the past year is mostly due to the assignment of several courses (e.g. Cosmetology and Foodservice) to the Home Economics areas this year.

Of the 56 trade-industrial courses offered statewide, 45 are male and 11 are integrated. The integrated courses account for 12 percent of students.

There are 7 courses with no female students.

## PROGRAM BUDGETS, 1982-82

Program expenditures provide another method of measuring sex equity. The program budget of the AVTI system totals $\$ 77.2$ million, a figure which includes instructors' salaries and all other program costs, but which does not include general administration and costs associated with support programs.

Of this amount, $\$ 50.0 \mathrm{million}$ is spent on male students and $\$ 27.2$ million is spent on female students, a ratio of almost two to one.

Program costs are apportioned by applying male and female enrollment ratios in each program to the net budget for that program. For example, a budget of $\$ 100,000$ for a program with 90 male and 10 female students is recorded as $\$ 90,000$ spent on male students and $\$ 10,000$ spent on female students. (See Tables 12 and 13.)

AVTI PROGRAM COSTS APPORTIONED BY SEX OF STUDENT


1982-83 PROGRAM BUDGET - \$77.2 MILLION

Women account for 41 percent of AVTI enrollments, but they receive 35 percent of budgets statewide. Nine schools -- Albert Lea, Bemidji, Brainerd, Canby, Faribault, Hibbing, Minneapolis, Pipestone, and Red Wing -have 'female" budgets which are in excess of female enrollments. In the remaining 24 AVTIs, financial resources apportioned to male students exceed their representation in the student population.

## PROGRAM BUDGETS - TRENDS

The proportion of AVTI budgets spent on female students remains slightly above the 1977-78 level. Total budgets statewide increased from $\$ 48.9$ million to $\$ 77.2$ million over this period.

The net result of these changes was that male students received additional $\$ 17.9$ million while female students received an additional $\$ 10.4$ million.

Costs per student increased in the same period by $\$ 441$ for male students and by $\$ 381$ for female students.


## STAFF PATTERNS, 1982-83

Staff patterns provide another measure of sex equity in vocational education. Staff data in this report are expressed in full-time equivalents (FTEs).

There are 1,953 AVTI teachers in the seven curriculum areas. There are an additional 337 staff in vocational-related activities. Overall, less than one-third of these staff are women. Women account for slightly over one-quarter of the curriculum area and two-fifths of the vocationalrelated staff. The only school where a majority of teachers are women is Rochester AVTI, where women account for 56 percent of students and 53 percent of teachers. (See Table 14.)

## AVTI POST-SECONDARY TEACHERS, 1982-83



## 2,341 FTE TEACHERS

Female teachers have lower average salaries than male teachers at 32 of the 33 AVTIs, including 6 schools where the women have more years of service than their male counterparts. The exception is Hibbing AVTI, where the women earn an average of $\$ 776$ more per year with an average of 4.2 more years of service.

Statewide, men now earn an average of \$2,337 per year of service, compared with $\$ 2,279$ for women. (See Table 15.)

Women account for 16 percent of post-secondary administrators and supervisors in the state.

## TEACHERS BY CURRICULUM AREA, 1982-83

The chart below shows the distribution of teachers by curriculum area, excluding vocational related activities. More than three-fourths of female teachers are in health or business-office programs, while more than three-fifths of male teachers are in technical or trade-industrial programs.

Only 11.6 of the 1.953 .4 FTE teachers are women in technical or trade-industrial programs -- accounting for about 1 percent of all teachers in these areas.

AVTI TEACHERS BY CURRICULUM APEA, 1932-83

|  | $\text { Males } \overbrace{\text { FEMALES }}$ |  |
| :---: | :---: | :---: |
| AGRICULTURE | M1N | 7\% |
| DISTRIBUTION |  | 8\% |
| HEALTH | ManMonorogs | 12\% |
| HOME ECONOMICS |  | 7\% |
| OFFICE |  | 19\% |
| TECHNICAL |  | 12\% |
| TRADE \& |  |  |
| INDUSTRIAL |  |  |

Each figure represents $1 \%$ of total post-secondary AVTI teachers, or approximately 20 teachers.

The proportion of teachers who are female is lower than the proportion of students who are female in every program area except health. This is true even for some "female" areas such as business-office, where women are 79 percent of the students but only 48 percent of the teachers.

## STAFF TRENDS

Since 1977-78, there has been a net increase of 77 FTE teaching positions at Minnesota AVTIs. This included a decrease of 18 male teachers and a gain of 95 female teachers. The statewide representation of female teachers increased accordingly over this period, from 25 percent to 28.6 percent of all AVTI teachers.

Despite a 3 percent decrease in the past year, there has been an overall gain in the representation of women among post-secondary vocational administrators and supervisors since 1977-78. Women have gone from 11 to 16 percent during this time.


## STUDENT FOLLOW-UP, 1982-83

Data are available for 6,813 women and 7,513 men who completed AVTI programs in fiscal year 1982 and who responded to a survey one year later. In general, there are few differences between male and female graduates except in occupation and earnings. Both men and women are in occupations traditional for their sex, and the women earn less.

The largest occupational cluster for male graduates is tradeindustrial jobs, while the largest cluster for women is office jobs. The single most likely occupation for the men is Sales Associate. For women, the single most likely occunation is Licensed Practical Nurse.

One year after completing their vocational training, the women working full-time had median earnings of $\$ 9,792$ compared with $\$ 11,556$ for their male counterparts. This represents an increase of $\$ 36$ for women and a decrease of $\$ 492$ for men from the previous year.

# MONTHLY WAGES ONE YEAR AFTER GRADUATION avti graduates employed full-time in jobs related to training (1983 REPORT) 



MEN
WOMEN

The state minimum wage in 1983 was $\$ 3.35$ per hour, or $\$ 581$ per month for full time employees. Although most AVTI graduates earned more than this, the women were more likely than the men to have earnings at or near minimum wage -- 13 percent of the female graduates and 8 percent of the male graduates earned $\$ 600$ per month or less.

## FOLLOW-UP, continued

Most graduates -- 81 percent of both women and men -- are employed one year later. Both male and female graduates are likely to work fulltime, although more women than men work part time. Seventy percent of the women and 62 percent of the men are employed in jobs related to their training.

Female graduates express a higher level of satisfaction than male graduates in most questions related to their AVTI experience and their present jobs. However, male graduates are more satisfied with advancement potential. Twenty-three percent of male graduates and 21 percent of female graduates report that they have received job advancement in the first year after graduation.

Employers are more likely to rank female graduates above average on each measure included in the survey: quality of work, quantity of work, knowledge important to job success, ability to operate equipment, and reading, verbal, and computational skills.

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Table 1. headcount enrollments by sex, 1982-83

| AVTI | Female <br> Students | Male <br> Students | Total <br> Students | Percent <br> Female |
| :---: | :---: | :---: | :---: | :---: |
| Albert Lea | 190 | 397 | 587 | 32.4 \% |
| Alexandria | 797 | 1,065 | 1,862 | 42.8 \% |
| Anoka | 1,141 | 1,678 | 2,819 | 40.5 \% |
| Austin | 380 | 551 | 931 | $40.8 \%$ |
| Bemidji | 281 | 284 | 565 | 49.7 \% |
| Brainerd | 495 | 475 | 970 | $51.0 \%$ |
| Canby | 131 | 328 | 459 | 28.5 \% |
| Dakota County | 1,050 | 1,336 | 2,386 | 44.0 \% |
| Detroit Lakes | 315 | 651 | 966 | 32.6 \% |
| Duluth | 906 | 1,223 | 2,129 | 42.6 \% |
| East Grand Forks | 410 | 413 | 823 | 49.8\% |
| Eveleth | 189 | 199 | 388 | 48.7 \% |
| Faribault | 192 | 333 | 525 | 36.6 \% |
| Granite Falls | 182 | 321 | 503 | 36.2 \% |
| Hibbing | 227 | 542 | 769 | 29.5 \% |
| Hutchinson | 414 | 611 | 1,025 | 40.4\% |
| Jackson | 206 | 530 | 736 | 28.0 \% |
| Mankato | 869 | 1,125 | 1,994 | 43.6 \% |
| Minneapolis | 1,770 | 2,448 | 4,218 | 42.0\% |
| Moorhead | 480 | 574 | 1,054 | 45.5 \% |
| 916 | 2,064 | 2,374 | 4,438 | 46.5 \% |
| Pine City | 140 | 365 | 505 | 27.7 \% |
| Pipestone | 199 | 489 | 688 | 28.9 \% |
| Red Wing | 182 | 595 | 777 | 23.4\% |
| Rochester | 796 | 630 | 1,426 | 55.8 \% |
| St. Cloud | 852 | 1,239 | 2,091 | 40.8.\% |
| St. Paul | 1,459 | 2,174 | 3,633 | 40.2 \% |
| Staples | 110 | 559 | 669 | 16.4\% |
| Suburban Hennepin | 1,893 | 3,497 | 5,390 | 35.1\% |
| Thief River Falls | 231 | 504 | 735 | 31.4 \% |
| Wadena | 300 | 438 | 738 | 40.7 \% |
| Willmar | 943 | 898 | 1,841 | 51.2 \% |
| Winona | 283 | 463 | 746 | 37.9 \% |
| TOTAL | 20,077 | 29,309 | 49,386 | 40.7\% |

TABLE 2, segregated and integrated programs, 1982-83

| AVTI | Segregated |  |  |  | Integrated Programs | Percent <br> Integrated |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total <br> Programs | "Female" Programs | Male ${ }^{11}$ <br> Programs | Total |  |  |
| Albert Lea | 14 | 2 | 7 | 9 | 5 | 35.7 \% |
| Alexandria | 33 | 12 | 15 | 27 | 6 | 18.2 \% |
| Anoka | 36 | 12 | 12 | 24 | 12 | 33.3 \% |
| Austin | 16 | 4 | 8 | 12 | 4 | 25.0 \% |
| Bemidji | 13 | 5 | 5 | 10 | 3 | 23.1 \% |
| Brainerd | 23 | 9 | 7 | 16 | 7 | 30.4 \% |
| Canby | 13 | 3 | 6 | 9 | 4 | 30.8 \% |
| Dakota County | 35 | 6 | 18 | 24 | 11 | 31.4 \% |
| Detroit Lakes | 27 | 6 | 16 | 22 | 5 | 18.5 \% |
| Duluth | 30 | 8 | 13 | 21 | 9 | 30.0 \% |
| East Grand Forks | 17 | 8 | 7 | 15 | 2 | 11.8 \% |
| Eveleth | 12 | 5 | 5 | 10 | 2 | 16.7 \% |
| Faribault | 15 | 2 | 10 | 12 | 3 | 20.0 \% |
| Granite Falls | 12 | 4 | 5 | 9 | 3 | 25.0 \% |
| Hibbing | 15 | 6 | 6 | 12 | 3 | 20.0 \% |
| Hutchinson | 16 | 5 | 8 | 13 | 3 | 18.8 \% |
| Jackson | 19 | 4 | 14 | 18 | 1 | $5.3 \%$ |
| Mankato | 24 | 5 | 11 | 16 | 8 | 33.3 \% |
| Minneapolis | 31 | 4 | 14 | 18 | 13 | 41.9 \% |
| Moorhead | 24 | 8 | 10 | 18 | 6 | 25.0\% |
| 916 | 55 | 15 | 24 | 39 | 16 | 29.1 \% |
| Pine City | 12 | 3 | 8 | 11 | 1 | 8.3\% |
| Pipestone | 15 | 4 | 7 | 11 | 4 | 26.7 \% |
| Red Wing | 18 | 2 | 12 | 14 | 4 | 22.2 \% |
| Rochester | 25 | 11 | 8 | 19 | 6 | 24.0 \% |
| St. Cloud | 36 | 7 | 18 | 25 | 11 | 30.6 \% |
| St. Paul | 41 | 11 | 18 | 29 | 12 | 29.3 \% |
| Staples | 17 | 1 | 10 | 11 | 6 | 35.3\% |
| Suburban Hennepin | 45 | 7 | 24 | 31 | 14 | 31.1 \% |
| Thief River Falls | 17 | 4 | 10 | 14 | 3 | $17.6 \%$ |
| Wadena | 16 | 3 | 11 | 14 | 2 | 12.5 \% |
| Willmar | 26 | 8 | 11 | 19 | 7 | 26.9 \% |
| Winona | 20 | 7 | 11 | 18 | 2 | 10.0 \% |
| TOTAL | 768 | 201 | 369 | 570 | 198 | 25.8 \% |

Table 3, single-sex enrollments, 1982-83

| AVTI | \# Students |  | Total |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Female | Male |  |  |  |
|  | In All- <br> F Progs | In All$M$ Progs | in One-Sex | Total Students | Percent in OneSex Programs |
|  |  |  |  |  |  |
| Albert Lea | 90 | 221 | 311 | 587 | 53.0 \% |
| Alexandria | 237 | 341 | 578 | 1,862 | 31.0\% |
| Anoka | 339 | 140 | 479 | 2,819 | 17.0 \% |
| Austin | 63 | 137 | 200 | 931 | 21.5 \% |
| Bemidji | 135 | 73 | 208 | 565 | 36.8 \% |
| Brainerd | 120 | 110 | 230 | 970 | 23.7 \% |
| Canby | 78 | 219 | 297 | 459 | 64.7 \% |
| Dakota County | 272 | 442 | 714 | 2,386 | 29.9 \% |
| Detroit Lakes | 54 | 231 | 285 | 966 | 29.5 \% |
| Duluth | 99 | 115 | 214 | 2,129 | 10.1 \% |
| East Grand Forks | 122 | 120 | 242 | 823 | 29.4 \% |
| Eveleth | 93 | 99 | 192 | 388 | 49.5 \% |
| Faribault | 0 | 143 | 143 | 525 | 27.2 \% |
| Granite Falls | 84 | 26 | 110 | 503 | 21.9 \% |
| Hibbing | 47 | 0 | 47 | 769 | 6.1 \% |
| Hutchinson | 26 | 118 | 144 | 1,025 | 14.0\% |
| Jackson | 53 | 343 | 396 | 736 | 53.8 \% |
| Mankato | 204 | 232 | 436 | 1,994 | 21.9 \% |
| Minneapolis | 0 | 0 | 0 | 4,218 | 0.0\% |
| Moorhead | 218 | 157 | 375 | 1,054 | 35.6 \% |
| 916 | 170 | 127 | 297 | 4,438 | 6.7 \% |
| Pine City | 31 | 111 | 142 | 505 | 28.1 \% |
| Pipestone | 40 | 111 | 151 | 688 | 21.9 \% |
| Red Wing | 40 | 85 | 125 | 777 | 16.1 \% |
| Rochester | 224 | 228 | 452 | 1,426 | 31.7 \% |
| St. Cloud | 281 | 174 | 455 | 2,091 | 21.8 \% |
| St. Paul | 123 | 258 | 381 | 3,633 | 10.5 \% |
| Staples | 12 | 85 | 97 | 669 | 14.5 \% |
| Suburban Hennepin | 154 | 405 | 559 | 5,390 | 10.4 \% |
| Thief River Falls | 50 | 249 | 299 | 735 | 40.7 \% |
| Wadena | 30 | 125 | 155 | 738 | 21.0 \% |
| Willmar | 177 | 433 | 610 | 1,841 | 33.1\% |
| Winona | 78 | 156 | 234 | 746 | 31.4 \% |
| TOTAL | 3,744 | 5,814 | 9,558 | 49,386 | 19.4 \% |

table 4, single-sex Programs, 1982-83

| AVTI | \# Programs |  | Total One-Sex | Progs | Total Progs | Percent OneSex Programs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | All- | Al1- |  |  |  |  |
|  | Female | Male |  |  |  |  |
| Albert Lea | 2 | 6 | 8 |  | 14 | 57.1\% |
| Alexandria | 5 | 8 | 13 |  | 33 | 39.4\% |
| Anoka | 7 | 2 | 9 |  | 36 | 25.0 \% |
| Austin | 1 | 3 | 4 |  | 16 | 25.0 \% |
| Bemidji | 3 | 3 | 6 |  | 13 | 46.2 \% |
| Brainerd | 5 | 2 | 7 |  | 23 | 30.4\% |
| Canby | 3 | 5 | 8 |  | 13 | 61.5 \% |
| Dakota County | 2 | 10 | 12 |  | 35 | 34.3\% |
| Detroit Lakes | 2 | 7 | 9 |  | 27 | 33.3 \% |
| Duluth | 2 | 2 | 4 |  | 30 | 13.3\% |
| East Grand Forks | 4 | 3 | 7 |  | 17 | 41.2\% |
| Eveleth | 3 | 3 | 6 |  | 12 | 50.0\% |
| Faribault | 0 | 5 | 5 |  | 15 | 33.3\% |
| Granite Falls | 3 | 1 | 4 |  | 12 | 33.3\% |
| Hibbing | 2 | 0 | 2 |  | 15 | 13.3\% |
| Hutchinson | 1 | 3 | 4 |  | 16 | 25.0\% |
| Jackson | 1 | 9 | 10 |  | 19 | 52.6 \% |
| Mankato | 2 | 4 | 6 |  | 24 | 25.0 \% |
| Minneapolis | 0 | 0 | 0 |  | 31 | 0.0 \% |
| Moorhead | 6 | 6 | 12 |  | 24 | 50.0\% |
| 916 | 3 | 3 | 6 |  | 55 | 10.9 \% |
| Pine City | 2 | 4 | 6 |  | 12 | 50.0 \% |
| Pipestone | 2 | 3 | 5 |  | 15 | 33.3 \% |
| Red Wing | 1 | 3 | 4 |  | 18 | 22.2 \% |
| Rochester | 5 | 5 | 10 |  | 25 | 40.0\% |
| St. Cloud | 5 | 5 | 10 |  | 36 | 27.8 \% |
| St. Paul | 3 | 6 | 9 |  | 41 | 22.0 \% |
| Staples | 1 | 3 | 4 |  | 17 | 23.5 \% |
| Suburban Hennepin | 2 | 6 | 8 |  | 45 | 17.8 \% |
| Thief River Falls | 2 | 6 | 8 |  | 17 | 47.1\% |
| Wadena | 1 | 4 | 5 |  | 16 | 31.3 \% |
| Willmar | 3 | 7 | 10 |  | 26 | 38.5 \% |
| Winona | 4 | 5 | 9 |  | 20 | 45.0 \% |
| TOTAL | 88 | 142 | 230 |  | 768 | 29.9 \% |

Table 5, enrollments by program type, 1982-83 - all students

| AVTI | Total <br> Students |  | In Seg Trad'l <br> Programs |  | In Seg NonTrad'l Progs |  | In Integrated Programs |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | \% | Number | \% | Number | \% | Number | \% |
| Albert Lea | 587 | 100.0\% | 391 | 66.6\% | , | 0.2\% | 195 | 33.2\% |
| Alexandria | 1,862 | 100.0 | 1,320 | 70.9 | 64 | 3.4 | 478 | 25.7 |
| Anoka | 2,819 | 100.0 | 2,1,46 | 76.1 | 65 | 2.3 | 608 | 21.6 |
| Austin | 931 | 100.0 | 668 | 71.8 | 19 | 2.0 | 244 | 26.2 |
| Bemidji | 565 | 100.0 | 428 | 75.8 | 10 | 1.8 | 127 | 22.5 |
| Brainerd | 970 | 100.0 | 549 | 56.6 | 24 | 2.5 | 397 | 40.9 |
| Canby | 459 | 100.0 | 369 | 80.4 | 5 | 1.1 | 85 | 18.5 |
| Dakota County | 2,386 | 100.0 | 1,465 | 61.4 | 56 | 2.3 | 865 | 36.3 |
| Detroit Lakes | 966 | 100.0 | 720 | 74.5 | 36 | 3.7 | 210 | 21.7 |
| Duluth | 2,129 | 100.0 | 1,440 | 67.6 | 72 | 3.4 | 617 | 29.0 |
| East Grand Forks | 823 | 100.0 | 703 | 85.4 | 49 | 6.0 | 71 | 8.6 |
| Eveleth | 388 | 100.0 | 336 | 86.6 | 17 | 4.4 | 35 | 9.0 |
| Faribault | 525 | 100.0 | 390 | 74.3 | 23 | 4.4 | 112 | 21.3 |
| Granite Falls | 503 | 100.0 | 371 | 73.8 | 21 | 4.2 | 111 | 22.1 |
| Hibbing | 769 | 100.0 | 617 | 80.2 | 62 | 8.1 | 90 | 11.7 |
| Hutchinson | 1,025 | 100.0 | 777 | 75.8 | 47 | 4.6 | 201 | 19.6 |
| Jackson | 736 | 100.0 | 685 | 93.1 | 30 | 4.1 | 21 | 2.9 |
| Mankato | 1,994 | 100.0 | 1,067 | 53.5 | 34 | 1.7 | 893 | 44.8 |
| Minneapolis | 4,218 | 100.0 | 2,396 | 56.8 | 182 | 4.3 | 1,640 | 38.9 |
| Moorhead | 1,054 | 100.0 | 680 | 64.5 | 17 | 1.6 | 357 | 33.9 |
| 916 | 4,438 | 100.0 | 2,766 | 62.3 | 184 | 4.1 | 1,488 | 33.5 |
| Pine City | 505 | 100.0 | 420 | 83.2 | 12 | 2.4 | 73 | 14.5 |
| Pipestone | 688 | 100.0 | 499 | 72.5 | 15 | 2.2 | 174 | 25.3 |
| Red Wing | 777 | 100.0 | 578 | 74.4 | 34 | 4.4 | 165 | 21.2 |
| Rochester | 1,426 | 100.0 | 1,112 | 78.0 | 34 | 2.4 | 280 | 19.6 |
| St. Cloud | 2,091 | 100.0 | 1,207 | 57.7 | 40 | 1.9 | 844 | 40.4 |
| St. Paul | 3,633 | 100.0 | 2,483 | 68.3 | 151 | 4.2 | 999 | 27.5 |
| Staples | 669 | 100.0 | 454 | 67.9 | 23 | 3.4 | 192 | 28.7 |
| Suburban Hennepin | 5,390 | 100.0 | 3,644 | 67.6 | 239 | 4.4 | 1,507 | 28.0 |
| Thief River Falls | 735 | 100.0 | 615 | 83.7 | 12 | 1.6 | 108 | 14.7 |
| Wadena | 738 | 100.0 | 585 | 79.3 | 24 | 3.3 | 129 | 17.5 |
| Willmar | 1,841 | 100.0 | 1,225 | 66.5 | 26 | 1.4 | 590 | 32.0 |
| Winona | 746 | 100.0 | 653 | 87.5 | 24 | 3.2 | 69 | 9.2 |
| TOTAL | 49,386 | 100.0 | 33,759 | 68.4 | 1,652 | 3.3 | 13,975 | 28.3 |

Table 6, enrollments by program type, 1982-83 - female

| AVTI | Total <br> Female <br> Students | Enrolled in Segregated Programs |  |  | Enrolled in Integrated Programs | Percent in Integrated Programs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | in "Male" Programs | In "Female" Programs | Total |  |  |
| Albert Lea | 190 | 1 | 90 | 91 | 99 | 52.1 \% |
| Alexandria | 797 | 34 | 509 | 543 | 254 | 31.9 |
| Anoka | 1,141 | 49 | 798 | 847 | 294 | 25.8 |
| Austin | 380 | 9 | 264 | 273 | 107 | 28.2 |
| Bemidji | 281 | 7 | 188 | 195 | 86 | 30.6 |
| Brainerd | 495 | 13 | 250 | 263 | 232 | 46.9 |
| Canby | 131 | 5 | 78 | 83 | 48 | 36.6 |
| Dakota County | 1,050 | 33 | 605 | 638 | 412 | 39.2 |
| Detroit Lakes | 315 | 26 | 190 | 216 | 99 | 31.4 |
| Duluth | 906 | 36 | 597 | 633 | 273 | 30.1 |
| East Grand Forks | 410 | 16 | 351 | 367 | 43 | 10.5 |
| Eveleth | 189 | 5 | 169 | 174 | 15 | 7.9 |
| Faribault | 192 | 20 | 91 | 111 | 81 | 42.2 |
| Granite Falls | 182 | 20 | 98 | 118 | 64 | 35.2 |
| Hibbing | 227 | 46 | 141 | 187 | 40 | 17.6 |
| Hutchinson | 414 | 40 | 259 | 299 | 115 | 27.8 |
| Jackson | 206 | 13 | 182 | 195 | 11 | 5.3 |
| Mankato | 869 | 27 | 367 | 394 | 475 | 54.7 |
| Minneapolis | 1,770 | 104 | 849 | 953 | 817 | 46.2 |
| Moorhead | 480 | 11 | 308 | 319 | 161 | 33.5 |
| 916 | 2,064 | 105 | 1,304 | 1,409 | 655 | 31.7 |
| Pine City | 140 | 9 | 75 | 84 | 56 | 40.0 |
| Pipestone | 199 | 5 | 129 | 134 | 65 | 32.7 |
| Red Wing | 182 | 31 | 88 | 119 | 63 | 34.6 |
| Rochester | 796 | 14 | 579 | 593 | 203 | 25.5 |
| St. Cloud | 852 | 32 | 359 | 391 | 461 | 54.1 |
| St. Paul | 1,459 | 75 | 912 | 987 | 472 | 32.4 |
| Staples | 110 | 23 | 12 | 35 | 75 | 68.2 |
| Suburban Hennepin | 1,893 | 176 | 1,093 | 1,269 | 624 | 33.0 |
| Thief River Falls | 231 | 8 | 166 | 174 | 57 | 24.7 |
| Wadena | 300 | 18 | 202 | 220 | 80 | 26.7 |
| Willmar | 943 | 17 | 612 | 629 | 314 | 33.3 |
| Winona | 283 | 11 | 240 | 251 | 32 | 11.3 |
| TOTAL | 20,077 | 1,039 | 12,155 1 | 13,194 | 6,883 | 34.3 |

Table 7, enrollments by program type, 1982-83-Male

| AVTI | Total | Enrolled in Segregated Programs |  |  | Enrolled in Integrated Programs | Percent In Integrated Programs |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Male | In "Male" | In "Femal |  |  |  |
|  | Students | Programs | Programs | Total |  |  |
| Albert Lea | 397 | 301 | 0 | 301 | 96 | 24.2 |
| Alexandria | 1,065 | 811 | 30 | 841 | 224 | 21.0 |
| Anoka | 1,678 | 1,348 | 16 | 1,364 | 314 | 18.7 |
| Austin | 551 | 404 | 10 | 414 | 137 | 24.9 |
| Bemidji | 284 | 240 | 3 | 243 | 41 | 14.4 |
| Brainerd | 475 | 299 | 11 | 310 | 165 | 34.7 |
| Canby | 328 | 291 | 0 | 291 | 37 | 11.3 |
| Dakota County | 1,336 | 860 | 23 | 883 | 453 | 33.9 |
| Detroit Lakes | 651 | 530 | 10 | 540 | 111 | 17.1 |
| Duluth | 1,223 | 843 | 36 | 879 | 344 | 28.1 |
| East Grand Forks | 413 | 352 | 33 | 385 | 28 | 6.8 |
| Eveleth | 199 | 167 | 12 | 179 | 20 | 10.1 |
| Faribault | 333 | 299 | 3 | 302 | 31 | 9.3 |
| Granite Falls | 321 | 273 | 1 | 274 | 47 | 14.6 |
| Hibbing | 542 | 476 | 16 | 492 | 50 | 9.2 |
| Hutchinson | 611 | 518 | 7 | 525 | 86 | 14.1 |
| Jackson | 530 | 503 | 17 | 520 | 10 | 1.9 |
| Mankato | 1,125 | 700 | 7 | 707 | 418 | 37.2 |
| Minneapolis | 2,448 | 1,547 | 78 | 1,625 | 823 | 33.6 |
| Moorhead | 574 | 372 | 6 | 378 | 196 | 34.1 |
| 916 | 2,374 | 1,462 | 79 | 1,541 | 833 | 35.1 |
| Pine City | 365 | 345 | 3 | 348 | 17 | 4.7 |
| Pipestone | 489 | 370 | 10 | 380 | 109 | 22.3 |
| Red Wing | 595 | 490 | 3 | 493 | 102 | 17.1 |
| Rochester | 630 | 533 | 20 | 553 | 77 | 12.2 |
| St. Cloud | 1,239 | 848 | 8 | 856 | 383 | 30.9 |
| St. Paul | 2,174 | 1,571 | 76 | 1,647 | 527 | 24.2 |
| Staples | 559 | 442 | 0 | 442 | 117 | 20.9 |
| Suburban Hennepin | 3,497 | 2,551 | 63 | 2,614 | 883 | 25.3 |
| Thief River Falls | 504 | 449 | 4 | 453 | 51 | 10.1 |
| Wadena | 438 | 383 | 6 | 389 | 49 | 11.2 |
| Willmar | 898 | 613 | 9 | 622 | 276 | 30.7 |
| Winona | 463 | 413 | 13 | 426 | 37 | 8.0 |
| TOTAL | 29,309 | 21,604 | 613 | 22,217 | 7,092 | 24.2 |


| Curriculum Area | Number of Programs* Which Are: |  |  |  | Percent <br> Integrated |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Female | Male | Integrated | Total |  |
| Agriculture | 1 | 6 | 5 | 12 | 41.7 \% |
| Distribution | 6 | 6 | 12 | 24 | 50.0 |
| Heal th | 10 | 3 | 7 | 20 | 35.0 |
| Home Economics | 8 | 5 | 9 | 22 | 40.9 |
| Business-Office | 10 | 0 | 8 | 18 | 44.4 |
| Technical | 0 | 23 | 8 | 31 | 25.8 |
| Trade - Industrial | 0 | 45 | 11 | 56 | 19.6 |
| TOTAL | 35 | 88 | 60 | 183 | 33.0 |

## Table 10, curriculum area by program type: Number of students

| Curriculum Area | \# Students in Programs* Which Are: |  |  |  | Percent <br> Integrated |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Female | Male | Integrated | Total |  |
| Agriculture | 58 | 1,169 | 891 | 2,118 | 42.1 |
| Distribution | 947 | 230 | 2,367 | 3,544 | 66.8 |
| Heal th | 4,805 | 78 | 450 | 5,333 | 8.4 |
| Home Economics | 1,867 | 477 | 1,822 | 4,166 | 43.7 |
| Busines - Office | 5,621 | 0 | 4,996 | 10,617 | 47.1 |
| Technical | 0 | 5,744 | 631 | 6,375 | 9.9 |
| Trade - Industrial | 0 | 15,200 | 2,033 | 17,233 | 11.8 |
| TOTAL | 13,298 | 22,898 | 13,190 | 49,386 | 26.7 |

[^0]TABLE 11, ENROLLMENTS BY COURSE BY CURRICULUM AREA, 1982-83

AGRICULTURE

| OE Code | Course | Female | Male | Total | Percent <br> Female | Percent Male | Course Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 010100 | Production Agriculture/Farm Mgmt | 13 | 579 | 592 | 2.2 | 97.8 | Male |
| 010106 | Dairy Herd Management | 5 | 36 | 41 | 12.2 | 87.8 | Male |
| 010200 | Agric. Supplies Sales \& Service | 72 | 283 | 355 | 20.3 | 79.7 | Integrated |
| 010220 | Horse/Stable Care \& Operations | 47 | 11 | 58 | 81.0 | 19.0 | Female |
| 010300 | Agric.Equipment Mechanics | 2 | 359 | 361 | 0.6 | 99.4 | Male |
| 010302 | Agric.Systems \& Agric.Structures | 0 | 34 | 34 | 0.0 | 100.0 | Male |
| 010500 | Horticulure/Specialty Crops | 54 | 65 | 119 | 45.4 | 54.6 | Integrated |
| 010502 | Commer. Greenhouse Crop Production | 18 | 8 | 26 | 69.2 | 30.8 | Integrated |
| 010504 | Landscaping | 76 | 230 | 306 | 24.8 | 75.2 | Integrated |
| 010600 | Natural Resources Management | 20 | 65 | 85 | 23.5 | 76.5 | Integrated |
| 010615 | Land Construction Conservation | 1 | 20 | 21 | 4.8 | 95.2 | Male |
| 010706 | Forest Harvest/Logging Equip Maint. | 2 | 118 | 120 | 1.7 | 98.3 | Male |
| total |  | 310 | 1,808 | 2,118 | 14.6 | 85.4 |  |

## Distribution

| OE Code | Course F | Female | Male | Total | Percent <br> Female | Percent Male | Course Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 040100 | Advertising Design/Layout/Sales | 48 | 24 | 72 | 66.7\% | 33.3 | Integrated |
| 040103 | Visual Merch/Industrial Display | 17 | 3 | 20 | 85.0 | 15.0 |  |
| 040200 | Fashion/Merchandising | 451 | 24 | 475 | 94.9 | 5.1 | Female |
| 040400 | Credit and Finance Management | 66 | 44 | 110 | 60.0 | 40.0 | Integrated |
| 040500 | Retail Floristry | 83 | 7 | 90 | 92.2 | 7.8 | Female |
| 040600 | Supermarket Merch/Mgmt/Distrib. | 63 | 134 | 197 | 32.0 | 68.0 | Integrated |
| 040800 | General Merchandising/Retail Sales | 158 | 187 | 345 | 45.8 | 54.2 | Integrated |
| 040900 | Hardware/Home Ctr Marketing \& Mgmt | 1 | 30 | 31 | 3.2 | 96.8 | Male |
| 040910 | Lumberyard/Bidg Materials Market \& Mgmt | t 0 | 21 | 21 | 0.0 | 100.0 | Male |
| 041000 | Home Furnishing/Merchandising \& Mgmt | 62 | 2 | 64 | 96.9 | 3.1 | Female |
| 041050 | Interior Design | 222 | 70 | 292 | 76.0 | 24.0 | Integrated |
| 041060 | Environmental Interior Space Design | 11 | 1 | 12 | 91.7 | 8.3 | Female |
| 041100 | Hotel/Motel Marketing \& Management | 34 | 34 | 68 | 50.0 | 50.0 | Integrated |
| 041200 | Professional/Industrial/Wholesale Mktg | 54 | 70 | 124 | 43.5 | 56.5 | Integrated |
| 041400 | International Trade | 36 | 19 | 55 | 65.5 | 34.5 | Integrated |
| 041700 | Real Estate Sales | 3 | 6 | 9 | 33.3 | 66.7 | Integrated |
| 041801 | Sporting Goods Sales \& Management | 4 | 68 | 72 | 5.6 | 94.4 | Male |
| 041802 | Travel Planning | 270 | 16 | 286 | 94.4 | 5.6 | Female |
| 041805 | Arena Management | 0 | 23 | 23 | 0.0 | 100.0 | Male |
| 041900 | Traffic/Transportation Management | 9 | 40 | 49 | 18.4 | 81.6 | Male |
| 041910 | Distribution Ctr Operations/Management | - 2 | 32 | 34 | 5.9 | 94.1 | Male |
| 042200 | Sales Marketing \& Management | 514 | 514 | 1,028 | 50.0 | 50.0 | Integrated |
| 043200 | Small Business Management | 13 | 20 | 33 | 39.4 | 60.6 | Integrated |
| 044000 | Materials/Inventory Management | 9 | 25 | 34 | 26.5 | 73.5 | Integrated |
| TOTAL |  | 2,130 | 1,414 | 3,544 | 60.1 | 39.9 |  |

table 11, continued

HEALTH

| OE Code | Course | Female | Male | Total | Percent <br> Female | Percent Male | Coursie Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 070101 | Dental Assistant Education | 470 | 4 | 474 | 99.2 \% | 0.8 \% | Female |
| 070103 | Dental Laboratory Technician Ed. | 63 | 62 | 125 | 50.4 | 49.6 | Integrated |
| 070203 | Medical Laboratory Technician Ed. | 189 | 40 | 229 | 82.5 | 17.5 | Female |
| 070302 | Practical Nurse Education | 1.891 | 147 | 2,038 | 92.8 | 7.2 | Female |
| 070303 | Nurse Assistant Education | 899 | 149 | 1,048 | 85.8 | 14.2 | Female |
| 070305 | Surgical Technician Education | 120 | 29 | 149 | 80.5 | 19.5 | Female |
| 070401 | Occupational Therapy Assistant Ed. | 121 | 5 | 126 | 96.0 | 4.0 | Female |
| 070403 | Prosthetics Technician Education | 13 | 41 | 54 | 24.1 | 75.9 | Integrated |
| 070404 | Orthotics Technician Education | 7 | 31 | 38 | 18.4 | 81.6 | Male |
| 070430 | Prosthetics Practitioner Education | 2 | 18 | 20 | 10.0 | 90.0 | Male |
| 070440 | Orthotics Practitioner Education | 3 | 17 | 20 | 15.0 | 85.0 | Male |
| 070603 | Optometric Assistant Education | 14 | 26 | 40 | 35.0 | 65.0 | Integrated |
| 070801 | Ward Clerk Education | 329 | 4 | 333 | 98.8 | 1.2 | Female |
| 070901 | Electroencephalograph Technician Ed. | 18 | 5 | 23 | 78.3 | 21.7 | Integrated |
| 070903 | Respiratory Therapy Technician Ed. | 62 | 31 | 93 | 66.7 | 33.3 | Integrated |
| 070905 | Central Services Technician Education | 32 | 22 | 54 | 59.3 | 40.7 | Integrated |
| 070906 | Human Services Education | 121 | 20 | 141 | 85.8 | 14.2 | Female |
| 070925 | Paramedic Education | 13 | 48 | 61 | 21.3 | 78.7 | Integrated |
| 070943 | Medical Assistant Education | 208 | 2 | 210 | 99.0 | 1.0 | Female |
| 071300 | Pharmacy Technician Education | 50 | 7 | 57 | 87.7 | 12.3 | Female |
| TOTAL |  | 4,625 | 708 | 5.333 | 86.7 | 13.3 | , |

HOME ECONOMICS

| OE Code | Course | Female | Male | Total | Percent Female | Percent Male | Course Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 090201 | Child Care, Guidance E Educ. Occup. | 268 | 7 | 275 | 97.5\% | $2.5 \%$ | Female |
| 090202 | Fabrics, Fashions E Related Mgmt | 15 | 0 | 15 | 100.0 | 0.0 | Female |
| 090208 | Food Service Mamt Training | 63 | 131 | 194 | 32.5 | 67.5 | Integrated |
| 090209 | Apparel Design \& Production | 209 | 51 | 260 | 80.4 | 19.6 | Female |
| 090210 | Education Aide Program | 76 | 3 | 79 | 96.2 | 3.8 | Female |
| 090215 | Personal Living Skills | 13 | 127 | 140 | 9.3 | 90.7 | Male |
| 090220 | Interpreter Training Program | 53 | 6 | 59 | 89.8 | 10.2 | Female |
| 091100 | Building Care/Maintenance/Service | 9 | 71 | 80 | 11.3. | 88.8 | Male |
| 091101 | Housekeeping Aide Program | 9 | 37 | 46 | 19.6 | 80.4 | Male |
| 092601 | Barbering | 41 | 26 | 67 | 61.2 | 38.8 | Integrated |
| 092602 | Cosmetology | 995 | 46 | 1,041 | 95.6 | 4.4 | Female |
| 092901 | Baking/Bakery Assistant Program | 68 | 55 | 123 | 55.3. | 44.7 | Integrated |
| 092902 | Food Service Occupations | 396 | 801 | 1,197 | 33.1 | 66.9 | Integrated |
| 092903 | Meatcutting/Processing | 2 | 177 | 179 | 1.1 | 98.9 | Male |
| 092905 | Foodservice Management | 10 | 30 | 40 | 25.0 | 75.0 | Integrated |
| 092906 | Special Foods/Delicatessan/Catering | 11 | 13 | 24 | 45.8 | 54.2 | Integrated |
| 092907 | Kitchen/ Foodservice 'Assistant Program | - 18 | 29 | 47 | 38.3 | 61.7 | Integrated |
| 092908 | Dietetic Assistant Program | 56 | 2 | 58 | 96.6 | 3.4 | Female |
| 092909 | Dietetic Technician Program | 77 | 3 | 80 | 96.3 | 3.8 | Female |
| 093302 | Tailoring | 17 | 5 | 22 | 77.3 | 22.7 | Integrated |
| 093402 | Shoe Repair | 4 | 28 | 32 | 12.5 | 87.5 | Male |
| 093500 | Upholstery | 35 | 73 | 108 | 32.4 | 67.6 | Integrated |
| TOTAL |  | 2,445 | 1,721 | 4,166 | 58.7 | 41.3 |  |

table 11, continued

Business - Office

| OE Code | Course | Female | Male | Total | Percent Female | Percent Male | Course Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 140100 | Accounting | 1,699 | 752 | 2,451 | 69.3\% | 30.7\% | Integrated |
| 140102 | Bookkeeping | 100 | 27 | 127 | 78.7 | 21.3 | Integrated |
| 140120 | Banking \& Finance, General | 165 | 42 | 207 | 79.7 | 20.3 | Integrated |
| 140121 | Banking \& Finance/Agricultural | 24 | 56 | 80 | 30.0 | 70.0 | Integrated |
| 140200 | Data Processing Occupations | 824 | 912 | 1,736 | 47.5 | 52.5 | Integrated |
| 140201 | Computer Operations | 122 | 77 | 199 | 61.3 | 38.7 | Integrated |
| 140203 | Computer Programming | 31 | 48 | 79 | 39.2 | 60.8 | Integrated |
| 140292 | Data Entry | 204 | 17 | 221 | 92.3 | 7.7 | Female |
| 140307 | Medical Records Management | 66 | 1 | 67 | 98.5 | 1.5 | Female |
| 140704 | Court Reporting | 55 | 3 | 58 | 94.8 | 5.2 | Female |
| 140730 | Gen. Secretary/Cler Occup w/shorthand | 2,853 | 99 | 2,952 | 96.6 | 3.4 | Female |
| 140731 | Gen.Secretary/Cler Occup w/o shorthand | 1,095 | 81 | 1,176 | 93.1 | 6.9 | Female |
| 140742 | Legal Secret.Occup w/o shorthand | 43 | 0 | 43 | 100.0 | 0.0 | Female |
| 140743 | Legal Secret.Occup w/shorthand | 447 | 19 | 466 | 95.9. | 4.1 | Female |
| 140752 | Medical Secret.Occup w/shorthand | 82 | 0 | 82 | 100.0 | 0.0 | Female |
| 140753 | Medical Secret.Occup w/o shorthand | 523 | 1 | 524 | 99.8 | 0.2 | Female |
| 140800 | Business Management | 52 | 65 | 117 | 44.4 | 55.6 | Integrated |
| 140906 | Word Processing Occupations | 78 | 0 | 78 | 100.0 | 0.0 | Female |
| TOTAL |  | 8.419 | 2,198 | 10,617 | 79.3 | 20.7 |  |

TECHNICAL

| OE Code | Course F | Female | Male | Total | Female | Male |  | Course Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 160103 | Agricultural Drafting | 113 | 538 | 651 | 17.4 \% | 82.6 | \% | Male |
| 160106 | Civil/Highway Technician Occupation | 21 | 199 | 220 | 9.5 | 90.5 |  | Male |
| 160108 | Electronics Technician Occup. Gen | 224 | 2,364 | 2,588 | 8.7 | 91.3 |  | Male |
| 160109 | Alternative Energy Specialist | 3 | 14 | 17 | 17.6 | 82.4 |  | Male |
| 160110 | Environmental Technician Occup. | 22 | 61 | 83 | 26.5 | 73.5 |  | Integrated |
| 160111 | Industrial Engineering Tech. Occup | 6 | 60 | 66 | 9.1 | 90.9 |  | Male |
| 160112 | Industrial Instrumentation Tech. Occup | 7 | 79 | 86 | 8.1 | 91.9 |  | Male |
| 160113 | Wind Energy Systems | 2 | 79 | 81 | 2.5 | 97.5 |  | Male |
| 160130 | Architectural Drafting Elec. Design | 1 | 29 | 30 | 3.3 | 96.7 |  | Male |
| 160181 | Radio and TV Repair | 4 | 65 | 69 | 5.8 | 94.2 |  | Male |
| 160183 | Industrial Electronic Equipment Repair | 5 | 69 | 74 | 6.8 | 93.2 |  | Male |
| 160187 | Communications Equipment Repair | 0 | 38 | 38 | 0.0 | 100.0 |  | Male |
| 160188 | Electro-Mechanical Technology | 2 | 94 | 96 | 2.1 | 97.9 |  | Male |
| 160191 | Telephone Central Station Repair | 2 | 35 | 37 | 5.4 | 94.6 |  | Male |
| 160501 | Chemical Laboratory Technician Occup. | 43 | 40 | 83 | 51.8 | 48.2 |  | Integrated |
| 160510 | Food Laboratory Testing \& Management | 32 | 29 | 61 | 52.5 | 47.5 |  | Integrated |
| 160811 | Cable TV Equip. Install. E Maintenance | 2 | 79 | 81 | 2.5 | 97.5 |  | Male |
| 161002 | Air Traffic Control | 13 | 52 | 65 | 20.0 | 80.0 |  | Integrated |
| 161203 | Quality Control Tech. Occup | 10 | 34 | 44 | 22.7 | 77.3 |  | Integrated |
| 161301 | Mechanical Drafting | 168 | 816 | 984 | 17.1 | 82.9 |  | Male |
| 161401 | Metalalurgical Tech/Pow Metalurgy | 1 | 29 | 30 | 3.3 | 96.7 |  | Male |
| 161402 | Nondestructive Testing | 18 | 189 | 207 | 8.7 | 91.3 |  | Male |
| 161500 | Energy Conservation/Use Technician Occup | up 1 | 22 | 23 | 4.3 | 95.7 |  | Male |
| 162002 | Fluid Power Occupations | 3 | 348 | 351 | - 0.9 | 99.1 |  | Male |
| 162400 | Optical Lens Production | 19 | 44 | 63 | 30.2 | 69.8 |  | Integrated |
| 162700 | Surveying Occupations | 10 | 40 | 50 | 20.0 | 80.0 |  | Integrated |
| 165001 | TV/Radio Broadcast | 44 | 138 | 182 | 24.2 | 75.8 |  | Integrated |
| 165002 | TV Production | 12 | 56 | 68 | 17.6 | 82.4 |  | Male |
| 166000 | Industrial Power System Tech. Occup | 1 | 40 | 41 | 2.4 | 97.6 |  | Male |
| 166001 | Automated Packaging Equip. Maintenance | 0 | 53 38 | 53 | 0.0 | 100.0 |  | Male |
| 167000 | Waste/Waste Treat. Technical Occup | 2 | 38 | 40 | 5.0 | 95.0 |  | Male |
| TOTAL |  | 775 | 5,600 | 6,375 | 12.2 | 97.8 |  |  |

TRADE INDUSTRIAL

| OE Code | Course | Female | Male | Total | Percent <br> Female | Percent Male | Course Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 170100 | Air Cond. Heating \& Refrigeration | 0 | 376 | 376 | $0.0 \%$ | 100.0 \% | Male |
| 170200 | Major Appliance Repair | 1 | 149 | 150 | 0.7 | 99.3 | Male |
| 170203 | Vending Machine Repair | 11 | 74 | 85 | 12.9 | 87.1 | Male |
| 170301 | Auto Body Mechanics | 6 | 923 | 929 | 0.6 | 99.4 | Male |
| 170302 | Auto Mechanics | 59 | 2,601 | 2,660 | 2.2 | 91. 8 | Male |
| 170308 | Parts Sales E Servicing | 35 | 339 | 374 | 9.4 | 90.6 | Male |
| 170312 | Service Station Mechanic | 1 | 34 | 35 | 2.9 | 97.1 | Male |
| 170318 | Motorcycle Mechanics | 2 | 84 | 86 | 2.3 | 97.7 | Male |
| 170320 | Auto Machining | 0 | 54 | 54 | 0.0 | 100.0 | Male |
| 170403 | Aviation Mechanics | 9 | 451 | 460 | 2.0 | 98.0 | Male |
| 170600 | Office Machine Repair and Service | 6 | 83 | 89 | 6.7 | 93.4 | Male |
| 170700 | Commercial Art | 279 | 195 | 474 | 58.9 | 41.1 | Integrated |
| 170705 | Technical Illustration | 9 | 12 | 21 | 42.9 | 57.1 | Integrated |
| 170708 | Electric Motor Repair | 0 | 20 | 20 | 0.0 | 100.0 | Male |
| 170900 | Commercial Photography | 40 | 44 | 84 | 47.6 | 52.4 | Integrated |
| -171000 | Construction Maintenance | 1 | 60 | 61 | 1.6 | 98.4 | Male |
| 171001 | Carpentry | 51 | 1,015 | 1,066 | 4.8 | 95.2 | Male |
| 171002 | Construction Electricity | 22 | 689 | 711 | 3.1 | 96.9 | Male |
| 171003 | Heavy Equipment Operations | 2 | 112 | 114 | 1.8 | 98.2 | Male |
| 171004 | Brick, Block \& Stone Masonry | 1 | 48 | 49 | 2.0 | 98.0 | Male |
| 171005 | Painting \& Decorating | 11 | 77 | 88 | 12.5 | 87.5 | Male |
| 171006 | Pipefitting | 1 | 24 | 25 | 4.0 | 96.0 | Male |
| 171007 | Plumbing | 3 | 123 | 126 | 2.4 | 97.6 | Male |
| 171083 | Heavy Equipment Maintenance | 1 | 182 | 183 | 0.5 | 99.5 | Male |
| 171101 | Building Utilities Mechanics | 5 | 302 | 307 | 1.6 | 98.4 | Male |
| 171200 | Truck/Diesel Mechanics | 12 | 924 | 936 | 1.3 | 98.7 | Male |
| 171401 | Electrical Maintenance Repair | 1 | 41 | 42 | 2.4 | 97.6 | Male |
| 171402 | Electrical Linework | 0 | 106 | 106 | 0.0 | 100.0 | Male |
| 171900 | Graphic Arts | 427 | 727 | 1,154 | 37.0 | 63.0 | Integrated |
| 171907 | Photographic Finishing | 41 | 83 | 124 | 33.1 | 66.9 | Integrated |
| 172102 | Clock \& Watchmaking | 5 | 16 | 21 | 23.8 | 76.2 | Integrated |
| 172302 | Machine Shop Operations | 58 | 1,903 | 1,961 | 3.0 | 97.0 | Male |
| 172303 | ProductionMachinist Occupations | 0 | 17 | 17 | 0.0 | 100.0 | Male |
| 172305 | Sheet Metal Working/Fabrication | 1 | 152 | 153 | 0.7 | 99.3 | Male |
| 172306 | Welding Occupations | 28 | 1,540 | 1,568 | 1.8 | 98.2 | Male |
| 172309 | Metal Pattern \& Model Making | 3 | 39 | 42 | 7.1 | 92.9 | Male |
| 172700 | Plastics/Lamination Occupations | 1 | 63 | 64 | 1.6 | 98.4 | Male |
| 172802 | Law Enforcement Training | 59 | 389 | 448 | 13.2 | 86.8 | Male |
| 173100 | Small Engine Mechanics | 11 | 394 | 405 | 2.7 | 97.3 | Male |
| 173110 | Marine Engine Mechanics | 0 | 32 | 32 | 0.0 | 100.0 | Male |
| 173200 | Stationary Engineering | 2 | 78 | 80 | 2.5 | 97.5 | Male |
| 173601 | Cabinetmaking | 17 | 231 | 248 | 6.9 | 93.1 | Male |
| 173602 | Wood/Furniture Finishing | 8 | 17 | 25 | 32.0 | 68.0 | Integrated |
| 173700 | Gunsmithing | 2 | 69 | 71 | 2.8 | 97.2 | Male |
| 173801 | String Instrument Repair | 5 | 13 | 18 | 27.8 | 72.2 | Integrated |
| 173802 | Band Instrument Repair | 10 | 25 | 35 | 28.6 | 71.4 | Integrated |
| 175500 | Millwright | 0 | 37 | 37 | 0.0 | 100.0 | Male |
| 176000 | Waterwell Drilling | 1 | 18 | 19 | 5.3 | 94.7 | Male |
| 177050 | Mobile Home Maintenance | 2 | 57 | 59 | 3.4 | 96.6 | Male |
| 177600 | Industrial Engines Mechanics | 1 | 19 | 20 | 5.0 | 95.0 | Male |
| 177601 | Industrial Maintenance | 1 | 81 | 82 | 1.2 | 98.8 | Male |
| 178801 | Media Production | 32 | 187 | 219 | 14.6 | 85.4 | Male |
| 178803 | Truck Driving | 44 | 402 | 446 | 9.9 | 90.1 | Male |
| 179700 | Sign Painting | 24 | 14 | 38 | 63.2 | 36.8 | Integrated |
| 179800 | Telephone Linework | 4 | 118 | 122 | 3.3 | 96.7 | Male |
| 179960 | Jewelry Goldsmithing/Silversmithing | 18 | 21 | 39 | 46.2 | 53.8 | Integrated |
| TOTAL |  | 1,373 | 15,860 | 17,233 | 8.0 | 92.0 |  |


| ATVI | Total |  | Net Budget for Female Students |  | Net Budget for Male Students | Budget <br> Percent <br> Female | Students <br> Percent <br> Female |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Albert Lea | \$ 1,343,584 |  | \$ 450,617 | \$ | - 892,967 | 33.5 \% | 32.4\% |
| Alexandria | 3,931,768 |  | 1,521,155 |  | 2,410,613 | 38.7 | 42.8 |
| Anoka | 4,606,598 |  | 1,660,879 |  | 2,945,719 | 36.1 | 40.5 |
| Austin | 1,617,701 |  | 510,453 |  | 1,107,248 | 31.6 | 40.8 |
| Bemidji | 985,558 |  | 493,111 |  | 492,447 | 50.0 | 49.7 |
| Brainerd | 1,516,044 |  | 795,720 |  | 720,324 | 52.5 | 51.0 |
| Canby | 1,119,068 |  | 359,610 |  | 759,458 | 32.1 | 28.5 |
| Dakota County | 4,424,114 |  | 1,424,487 |  | 2,999,627 | 32.2 | 44.0 |
| Detroit Lakes | 1,648,511 |  | 509,299 |  | 1,139,212 | 30.9 | 32.6 |
| Duluth | 2,823,178 |  | 1,019,058 |  | 1,804,120 | 36.1 | 42.6 |
| East Grand Forks | 1,181,911 |  | 522,188 |  | 659.723 | 44.2 | 49.8 |
| Eveleth | 669,241 |  | 312,872 |  | 356,369 | 46.8 | 48.7 |
| Faribault | 1,135,553 |  | 460,322 |  | 675,231 | 40.5 | 36.6 |
| Granite Falls | 1,048,975 |  | 374,242 |  | 674,733 | 35.7 | 36.2 |
| Hibbing | 1,152,449 |  | 363,743 |  | 788,706 | 31.6 | 29.5 |
| Hutchinson | 1,531,085 |  | 463,677 |  | 1,067,408 | 30.3 | 40.4 |
| Jackson | 1,244,743 |  | 301,663 |  | 943,080 | 24.2 | 28.0 |
| Mankato | 2,893,592 |  | 1,167,021 |  | 1,726,571 | 40.3 | 43.6 |
| Minneapolis | 4,422,176 |  | 1,888,578 |  | 2,533,598 | 42.7 | 42.0 |
| Moorhead | 1,931,264 |  | 736,194 |  | 1,195,070 | 38.1 | 45.5 |
| 916 | 4,193,676 |  | 1,641,824 |  | 2,551,852 | 39.1 | 46.5 |
| Pine City | 782,797 |  | 176,597 |  | 606,200 | 22.6 | 27.7 |
| Pipestone | 1,016,939 |  | 298,906 |  | 718,033 | 29.4 | 28.9 |
| Red Wing | 1,209,238 |  | 289,858 |  | 919,380 | 24.0 | 23.4 |
| Rochester | 2,262,536 |  | 1,172,276 |  | 1,090,260 | 51.8 | 55.8 |
| St. Cloud | 3,421,912 |  | 1,321,504 |  | 2,100,408 | 38.6 | 40.8 |
| St. Paul | 5,057,497 |  | 1,578,070 |  | 3,479,427 | 31.2 | 40.2 |
| Staples | 2,264,022 |  | 334,032 |  | 1,929,990 | 14.8 | 16.4 |
| Suburban Hennepin | 8,606,722 |  | 2,514,218 |  | 6,092,504 | 29.2 | 35.1 |
| Thief River Falls | 1,238,608 |  | 369,666 |  | 868,942 | 29.8 | 31.4 |
| Wadena | 1,191,331 |  | 356,941 |  | 834,390 | 30.0 | 40.7 |
| Willmar | 3,471,409 |  | 1,383,281 |  | 2,088,128 | 39.8 | 51.2 |
| Winona | 1,234,265 |  | 415,987 |  | 818,278 | 33.7 | 37.9 |
| TOTAL | \$ 77,178,067 |  | 27,188,049 | \$ | 49,990,018 | 35.2 | 40.7 |

Table 13, Program cost per student, 1982-83

Cost per Student

AVTI
Albert Lea Alexandria Anoka
Austin
Bemidji
Brainerd
Canby
Dakota County
Detroit Lakes
Duluth
East Grand Forks
Eveleth
Faribault
Granite Falls
Hibbing
Hutchinson
Jackson
Mankato
Minneapolis
Moorhead
916
Pine City
Pipestone
Red Wing
Rochester
St. Cloud
St. Paul
Staples
Suburban Hennepin
Thief River Falls
Wadena
Willmar
Winona
TOTAL

| Females | Males | Total | F/M Rat |
| :---: | :---: | :---: | :---: |
| \$ 2,372 | \$ 2,249 | \$ 2,289 | 105.5 |
| 1,909 | 2,263 | 2,112 | 84.4 |
| 1,456 | 1,755 | 1,634 | 83.0 |
| 1,343 | 2,010 | 1,738 | 66.8 |
| 1,755 | 1,734 | 1,744 | 101.2 |
| 1,608 | 1,516 | 1,563 | 106.1 |
| 2,745 | 2,315 | 2,438 | 118.6 |
| 1,357 | 2,245 | 1,854 | 60.4 |
| 1,617 | 1,750 | 1,707 | 92.4 |
| 1,125 | 1,475 | 1,326 | 76.3 |
| 1,274 | 1,597 | 1,436 | 79.8 |
| 1,655 | 1,791 | 1,725 | 92.4 |
| 2,398 | 2,028 | 2,163 | 118.2 |
| 2,056 | 2,102 | 2,085 | 97.8 |
| 1,602 | 1,455 | 1,499 | 110.1 |
| 1,120 | 1,747 | 1,494 | 64.1 |
| 1,464 | 1,779 | 1,691 | 82.3 |
| 1,343 | 1,535 | 1,451 | 87.5 |
| 1,067 | 1,035 | 1,048 | 103.1 |
| 1,534 | 2,082 | 1,832 | 73.7 |
| 795 | 1,075 | 945 | 74.0 |
| 1,261 | 1,661 | 1,550 | 75.9 |
| 1,502 | 1,468 | 1,478 | 102.3 |
| 1,593 | 1,545 | 1,556 | 103.1 |
| 1,473 | 1,731 | 1,587 | 85.1 |
| 1,551 | 1,695 | 1,636 | 91.5 |
| 1,082 | 1,600 | 1,392 | 67.6 |
| 3,037 | 3,453 | 3,384 | 88.0 |
| 1,328 | 1,742 | 1,597 | 76.2 |
| 1,600 | 1,724 | 1,685 | 92.8 |
| 1,190 | 1,905 | 1,614 | 62.5 |
| 1,467 | 2,325 | 1,886 | 63.1 |
| 1,470 | 1,767 | 1,655 | 83.2 |
| \$ 1,354 | \$ 1,706 | \$ 1,563 | 79.4 |

table 14, post-secondary vocational teachers, 1982-83

| AVTI | \# Female <br> Teachers <br> (FTE) | \# Male <br> Teachers <br> (FTE) | Total Teachers (FTE) | \% Female Teachers |
| :---: | :---: | :---: | :---: | :---: |
| Albert Lea | 7.0 | 31.2 | 38.2 | 18.3\% |
| Alexandria | 25.2 | 85.0 | 110.2 | 22.9 |
| Anoka | 43.4 | 91.0 | 134.4 | 32.3 |
| Austin | 17.0 | 38.0 | 55.0 | 30.1 |
| Bemidji | 15.2 | 26.6 | 41.8 | 36.4 |
| Brainerd | 19.0 | 28.6 | 47.6 | 39.9 |
| Canby | 6.0 | 29.8 | 35.8 | 16.8 |
| Dakota County | 29.2 | 87.0 | 116.2 | 25.1 |
| Detroit Lakes | 11.4 | 46.5 | 57.9 | 19.7 |
| Duluth | 29.4 | 55.0 | 84.4 | 34.8 |
| East Grand Forks | 20.7 | 22.0 | 42.7 | 48.5 |
| Eveleth | 8.0 | 14.0 | 22.0 | 36.4 |
| Faribault | 9.0 | 29.0 | 38.0 | 23.7 |
| Granite Falls | 7.8 | 28.0 | 35.8 | 21.8 |
| Hibbing | 9.5 | 27.5 | 37.0 | 25.7 |
| Hutchinson | 14.2 | 32.3 | 46.5 | 30.5 |
| Jackson | 1.2 | 39.7 | 40.9 | 2.9 |
| Mankato | 26.1 | 66.0 | 92.1 | 28.3 |
| Minneapolis | 45.0 | 87.0 | 132.0 | 34.1 |
| Moorhead | 21.8 | 48.4 | 70.2 | 31.1 |
| 916 | 47.7 | 77.1 | 124.8 | 38.2 |
| Pine City | 4.6 | 21.0 | 25.6 | 18.0 |
| Pipestone | 8.0 | 33.5 | 41.5 | 19.3 |
| Red Wing | 8.6 | 32.5 | 41.1 | 20.9 |
| Rochester | 38.6 | 34.8 | 73.4 | 52.6 |
| St. Cloud | 27.0 | 69.6 | 96.6 | 28.0 |
| St. Paul | 47.7 | 116.9 | 164.6 | 29.0 |
| Staples | 3.6 | 38.0 | 41.6 | 8.7 |
| Suburban Hennepin | 47.4 | 153.9 | 201.3 | 23.5 |
| Thief River Falls | 12.8 | 30.6 | 43.4 | 29.5 |
| Wadena | 6.0 | 37.6 | 43.6 | 13.8 |
| Willmar | 36.0 | 86.6 | 122.6 | 29.4 |
| Winona | 15.0 | 27.0 | 42.0 | 35.7 |
| TOTAL | 669.1 | 1,671.7 | 2,340.8 | 28.6 |



## DEFINITIONS

All data in this report are from the Minnesota Department of Education, as reported by local school districts. The following definitions are used:

Headcount. The annual headcount conducted on October 1 includes every student enrolled in an AVTI on that date, and does not control for the amount of time a student is enrolled.

Program. For the purposes of this report, programs have been limited to courses of study related to an occupation such as Health Aide or Welding. Special needs programs and other administrative and support programs have not been included.

Curriculum Area. Curriculum areas are the seven program areas: Agriculture, Distribution, Health, Home Economics, Business-Office, Technical, and Trade-Industrial.

Segregated Programs. Programs are defined as segregated if over 80 percent of their enrollments are of one sex.

Integrated Programs. A program which is not segregated is integrated.
"Male" Programs. A segregated program is defined as a "male" program if more than 80 percent of the students are male.
"Female" Programs. A segregated program is defined as a "female" program if more than 80 percent of the students are female.

Traditional. A female student enrolled in a program in which over 80 percent of students are female, and a male student enrolled in a program in which over 80 percent of students are male, are traditional students.

Non-traditional. When a male or female student is enrolled in a program in which over 80 percent of students are of the other sex, that person is enrolled in a non-traditional program and is referred to as a non-traditional student.

Net Budget. Program budgets in this report give expenditures for an instructional program which includes all salaries, fringe benefits, supplies and materials, purchased services, and other expenses connected with the program, but does not include general administration and general support services in that AVTI. Program revenues have been subtracted.
"Male" Budget. A "male" budget is calculated by apportioning the net budget for a program in the same ratio as there are male students. For example, a net budget of $\$ 100,000$ for a program where 75 percent of students are male has a male budget of $\$ 75,000$.
"Female" Budget. A "female" budget is calculated by apportioning the net budget for a program according to the proportion of female students. In the example above, the female budget would be $\$ 25,000$.

Cost per Headcount. The cost per headcount is calculated by dividing the net budget for a program or an AVTI by the headcount for that program or AVTI. The cost per headcount for females is calculated by dividing the female budget by the female headcount for that program or AVTI, and the same method is used for calculating the male cost per headcount.

Average Yearly Salary. This salary is the total contracted salary based on full-time equivalence, and therefore controls for the number of weeks worked and for part-time employment.

Average Years of Service. Years of service refers to total years as a licensed teacher or administrator, not simply as an employee of a particular institution.


[^0]:    * A 'program" on these and the following tables, refers to a statewide aggregate. For example, Agricultural Production may be an integrated course at one or more ATVIs, but statewide total enrollments in all Agricultural Production courses are 97.8 percent male and therefore this is a 'male" program at the state level.

