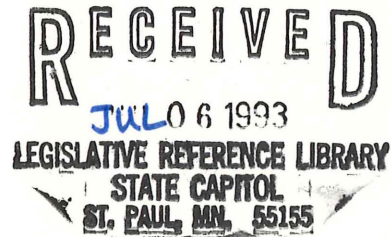


VOCATIONAL EDUCATION

SEX EQUITY REPORT:

POST-SECONDARY 1986-87

COMMISSION ON THE ECONOMIC STATUS OF WOMEN



MINNESOTA TECHNICAL INSTITUTE SYSTEM

SEX EQUITY REPORT 1986-87

Prepared for the Minnesota State Board of Vocational Technical Education
under Contract No. 10-SE-II-CPA by:

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Introduction

This report is the twelfth in a series presenting data on the status of women and men in Minnesota's Technical Institute System. The format is like publications of the past several years. The body of the report provides current and trend data statewide for student enrollment and follow-up and for staff patterns. A detailed appendix provides information for individual Technical Institutes, a course-by-course statewide listing, trend data and definitions.

Staff data are from licensure information. Data on administrators include part-time and extension staff. Student data since 1983-84 are from the technical institute follow-up system. The information from prior years is from budget data, which are no longer available by sex. The data from previous years are included, despite being from a different data base, in order to provide some comparison. Student data are for continuous day students.

Both statewide and individual school data are presented in this report. 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.

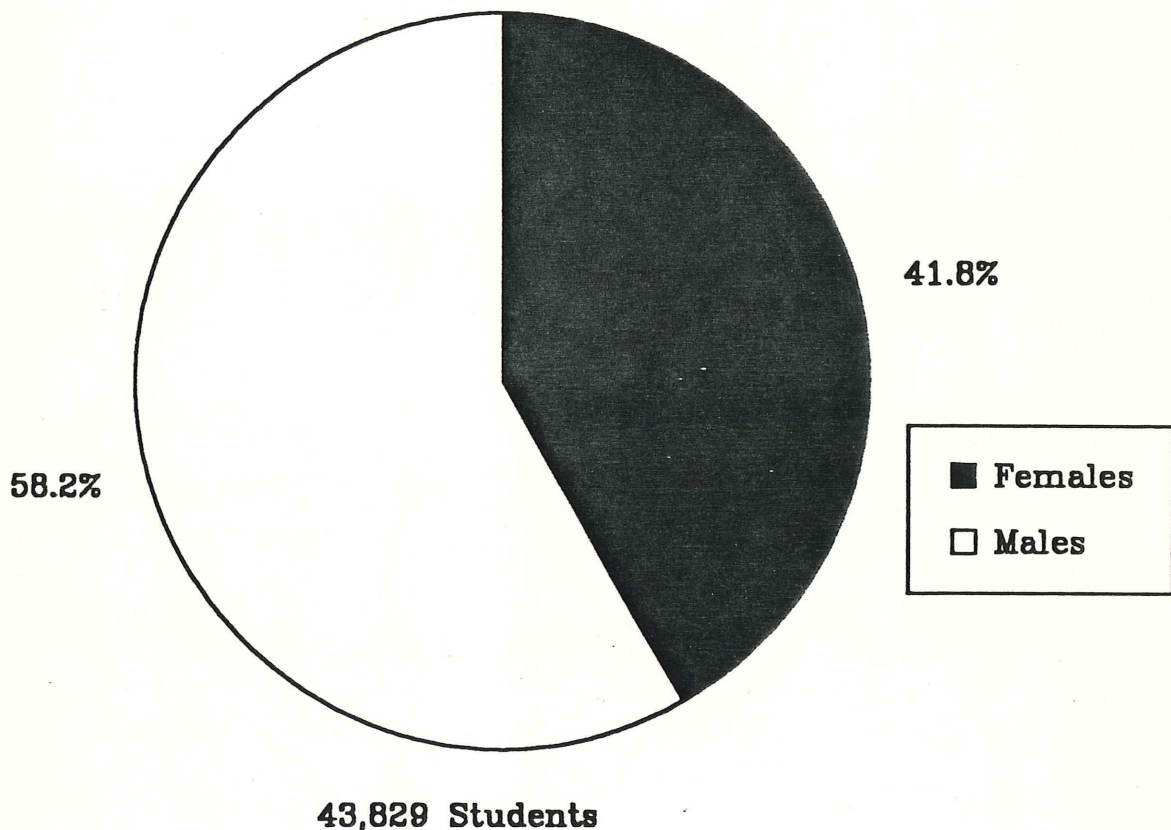
Enrollments, 1986-87

In the fall of 1986, Technical Institutes had higher enrollments than the community colleges but lower than the state universities and the University of Minnesota. Female students account for just over two-fifths of Technical Institute enrollments. In 1986-87 the total statewide enrollment of 43,829 consisted of 18,340 female students and 25,489 male students.

The Technical Institute system has a lower percentage (42 percent) of female students than the other public post-secondary systems in Minnesota -- the Community College system (60 percent female), the State University system (54 percent female) and the University of Minnesota system (46 percent female).

Women are the majority of students at two Technical Institutes, Bemidji and Brainerd. At seven Technical Institutes women represent less than one-third of students. Women account for one-third to one-half of students at the remaining 24 Technical Institutes. (See Table 1.)

Headcount, 1986-87



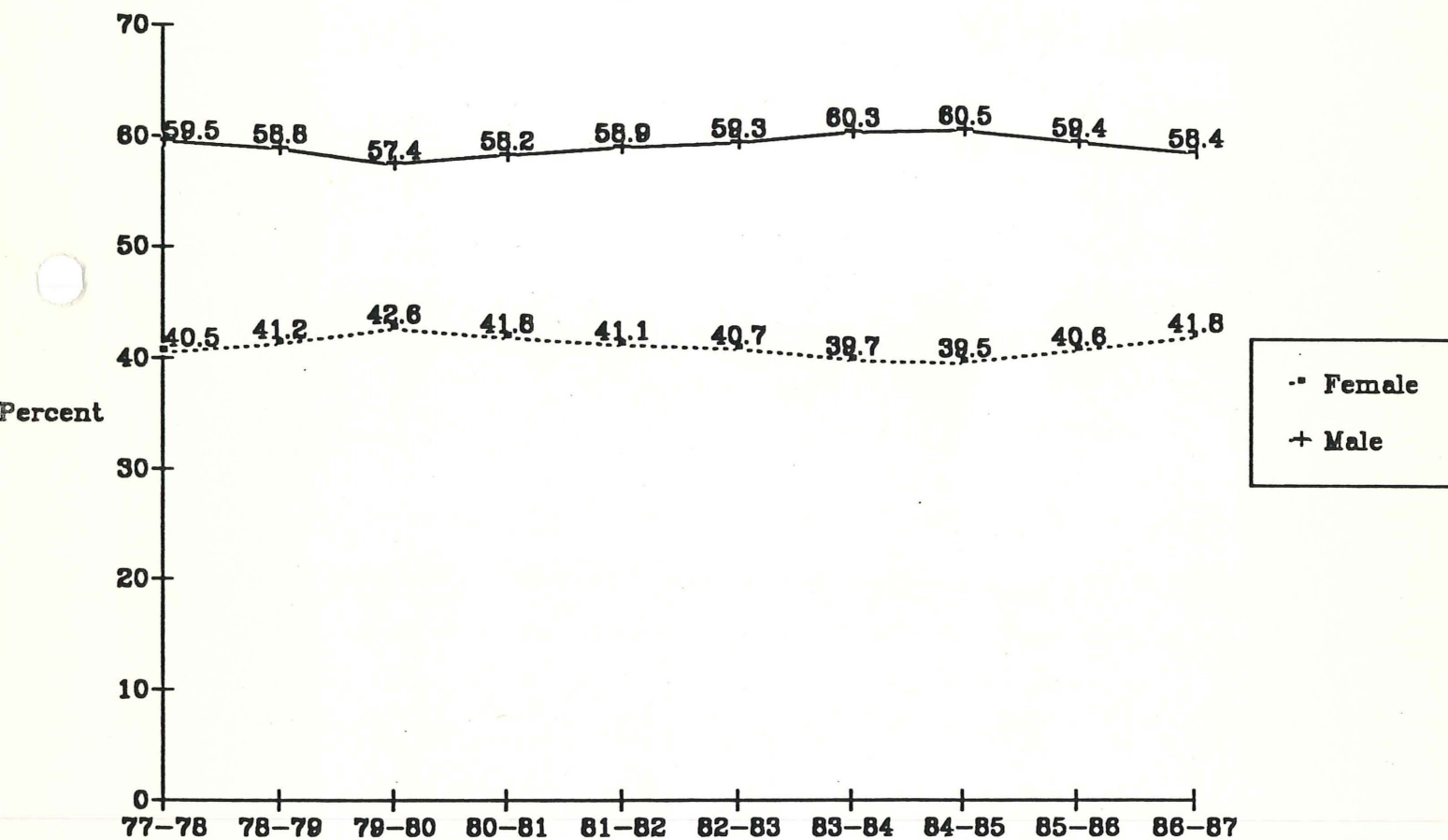
Except where otherwise noted, enrollment data in this report refer to an actual student headcount of continuous day students enrolled at a particular time during the school year. Average daily membership, the usual measure of enrollment, is not reported by sex.

Enrollment Trends

Enrollment figures for 1986-87 show a slight increase in the number of students than 1985-86. Since 1977-78 there has been a slight increase in the number of both female and male enrollments. Enrollments were at their highest level in 1983-84.

Over the years, the percentage of women enrolled in Technical Institutes has remained fairly constant. The percentage of Technical Institute students who are women is slightly higher than in 1985-86.

Student Headcount Enrollments



Program Types, 1986-87

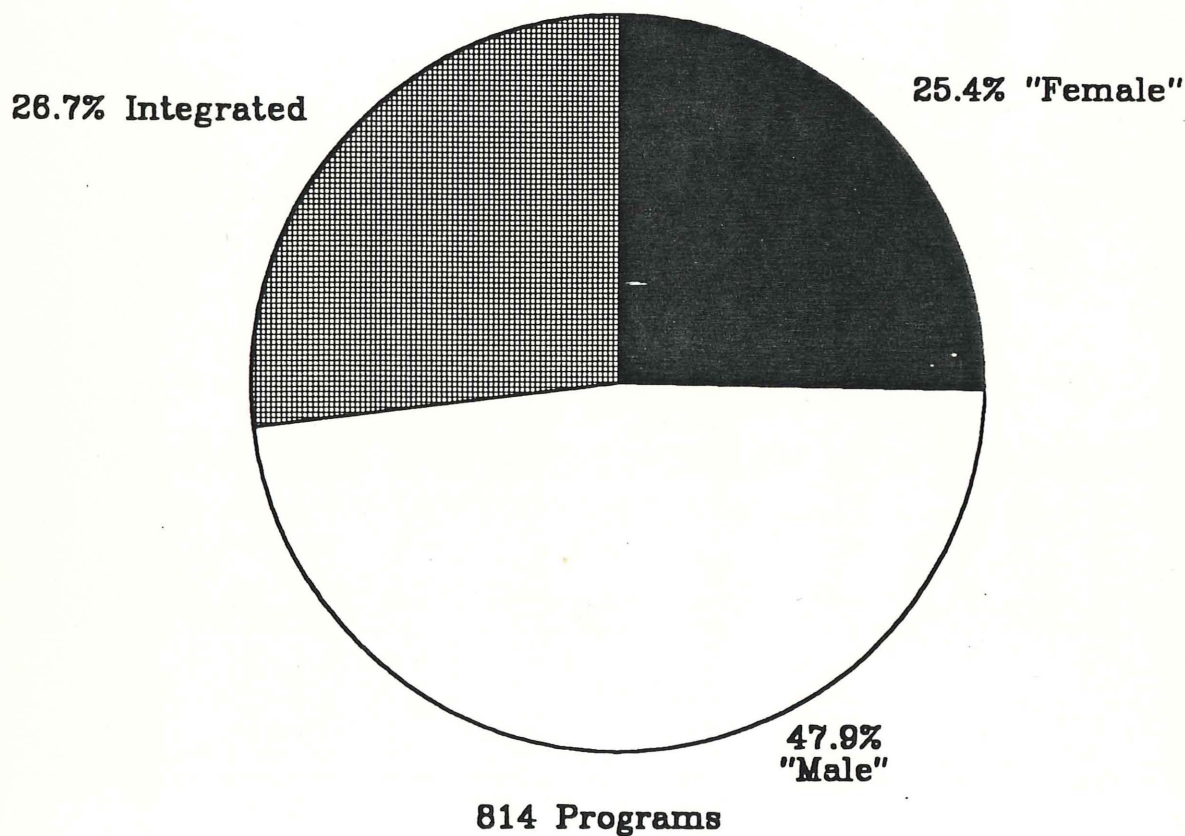
A total of 814 programs are offered at individual Technical Institutes in the state, with an average of 25 programs per school.

Nearly three-fourths of Technical Institute 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 a segregated "male" program and Practical Nursing is a segregated "female" program, while Sales Associate is integrated. A program may be segregated at one Technical Institute and integrated at another.

Programs, 1986-87



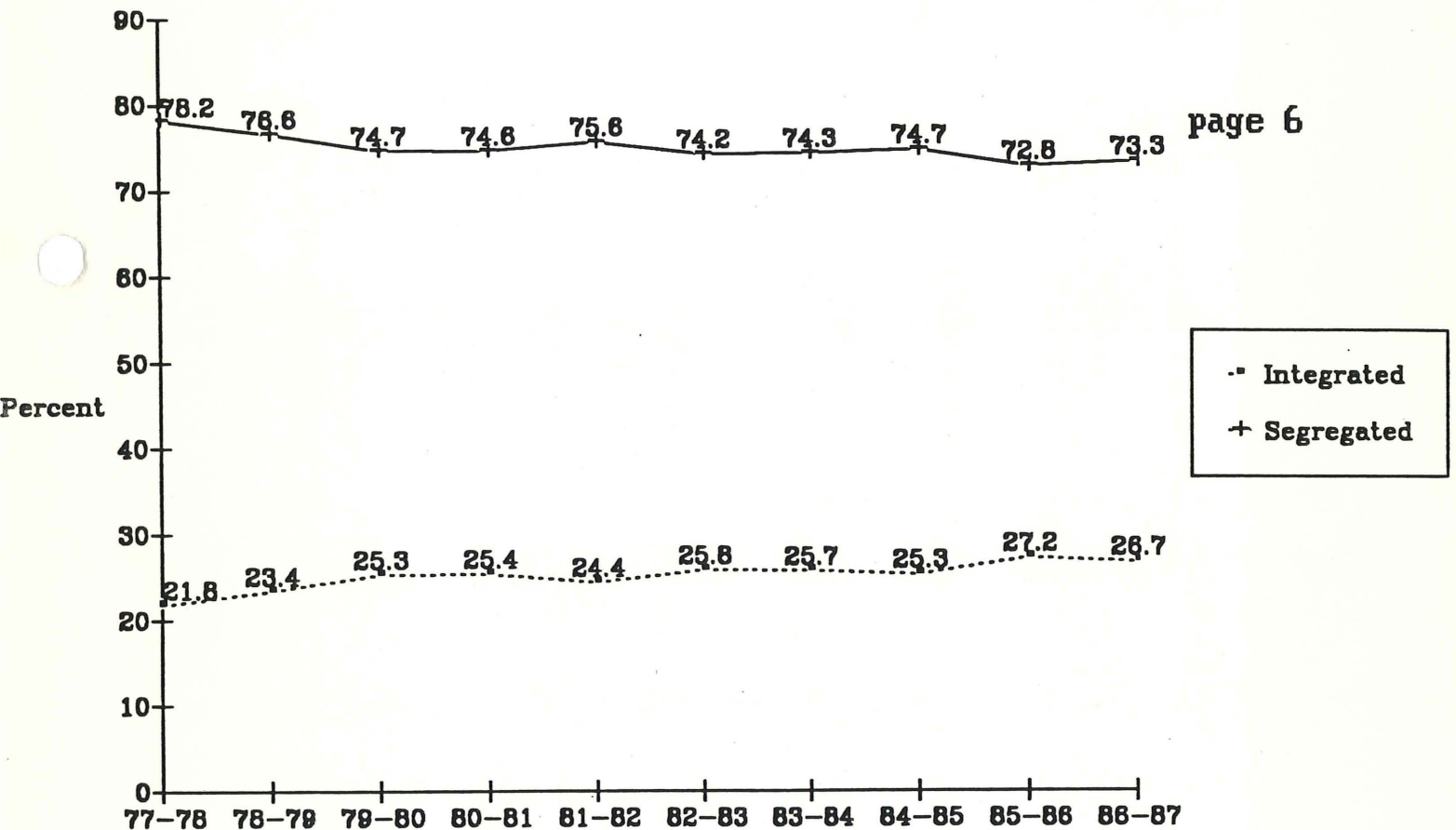
Of the 814 programs offered at individual Technical Institutes, 390 are segregated "male" programs and 207 are segregated "female" programs. In fact, one-fourth of programs are either all-male or all-female. (See Tables 2 and 4.)

Program Types - Trends

The total number of programs offered at individual Technical Institutes increased over the past year. The number of integrated programs remained the same and the number of segregated programs increased. Over the years the number of Technical Institute programs which are integrated has increased.

Since 1979-80, the percentage of integrated programs has remained at about one-quarter of all programs. Integrated programs account for 27 percent of all programs and showed a slight decrease over the last year.

Program Type

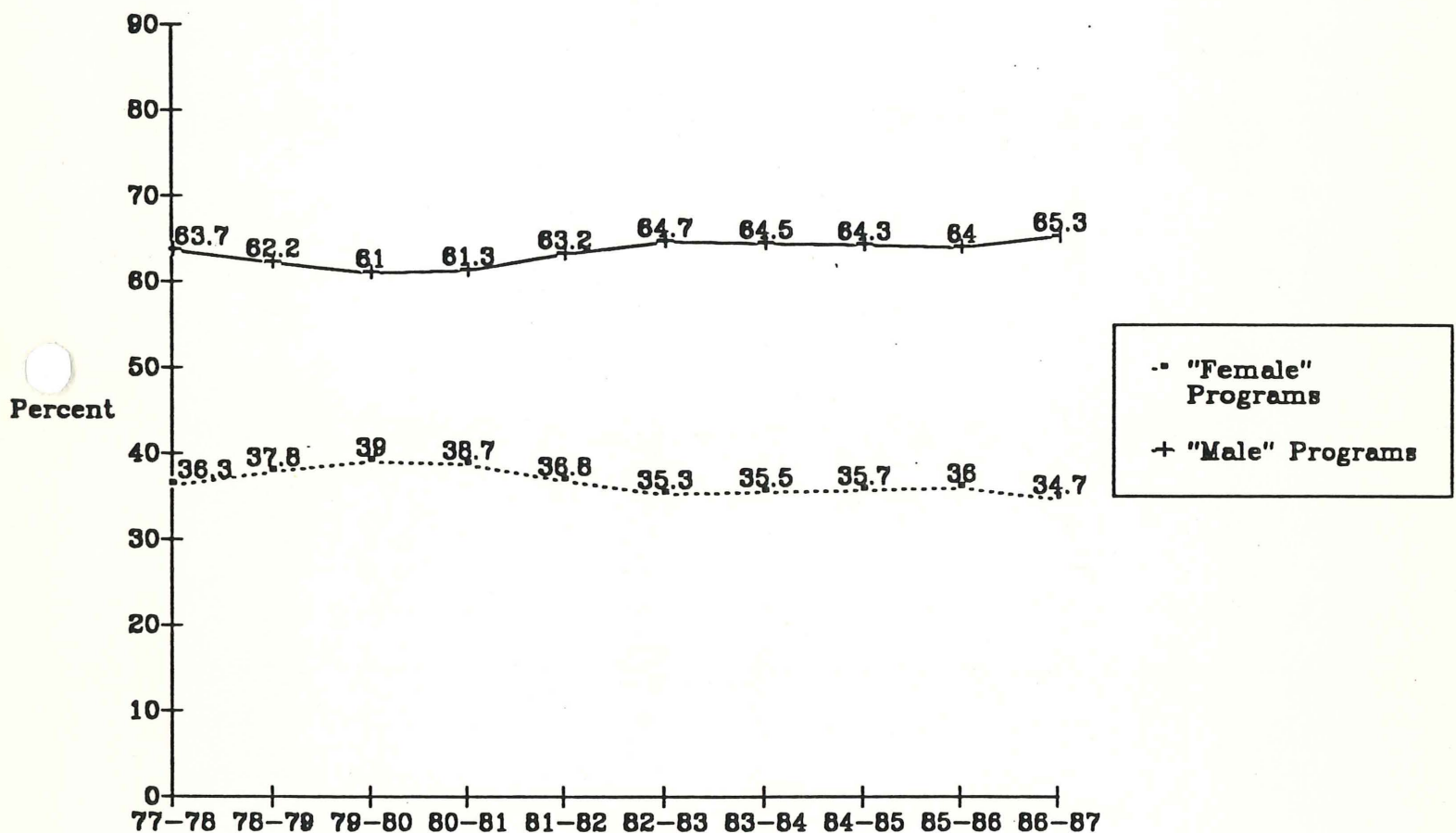


Program Types - Trends, continued

Segregated programs are not evenly divided into "male" and "female" programs. Since 1977-78 segregated "male" programs have outnumbered segregated "female" programs by a substantial margin. "Male" programs account for nearly two-thirds of segregated programs.

Data for the current year show a slightly lower percentage of "female" programs and a slightly higher percentage of "male" programs as last year.

Segregated Programs



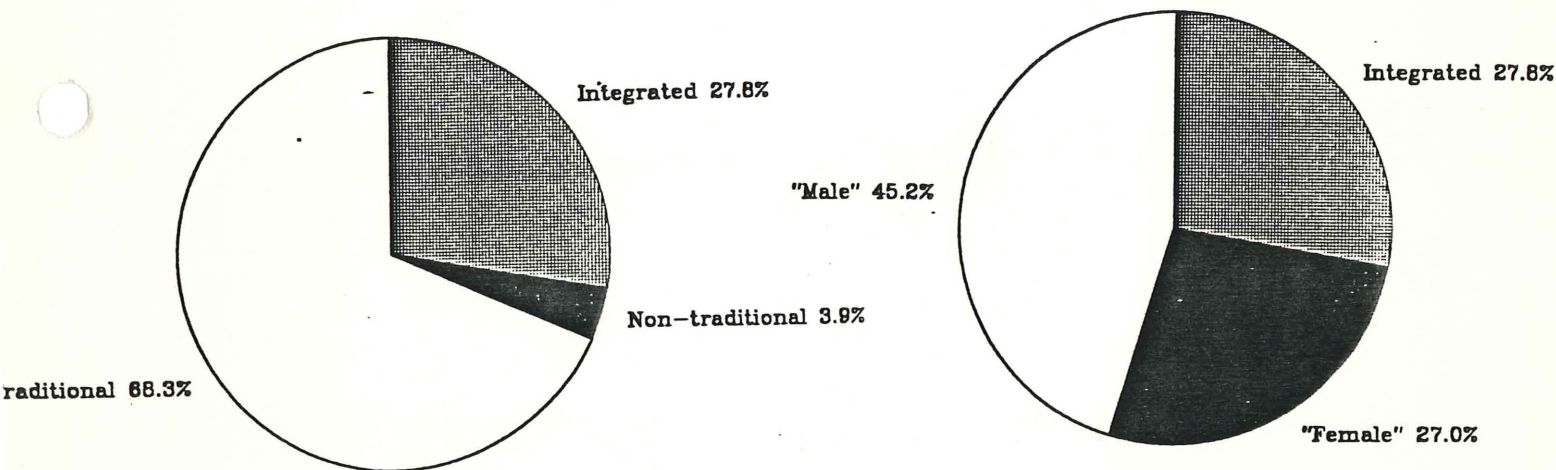
Enrollments By Program Type, 1986-87

The number of students enrolled in a program varies widely from less than 10 at several schools to several hundred at others. 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" programs and women in "female" programs. A "non-traditional" student is one enrolled in a program in which more than 80 percent of students are of the other sex.

As shown in the chart below, the large majority -- over two-thirds -- of Technical Institute students are enrolled in traditional programs, while about 1 in 25 students are enrolled in programs which are non-traditional for their sex. More than one-quarter of all Technical Institute students are enrolled in integrated programs.

Enrollments By Program Types, 1986-87



At four Technical Institutes -- Albert Lea, Brainerd, Mankato and Minneapolis -- integrated programs account for 35 percent or more of all students.

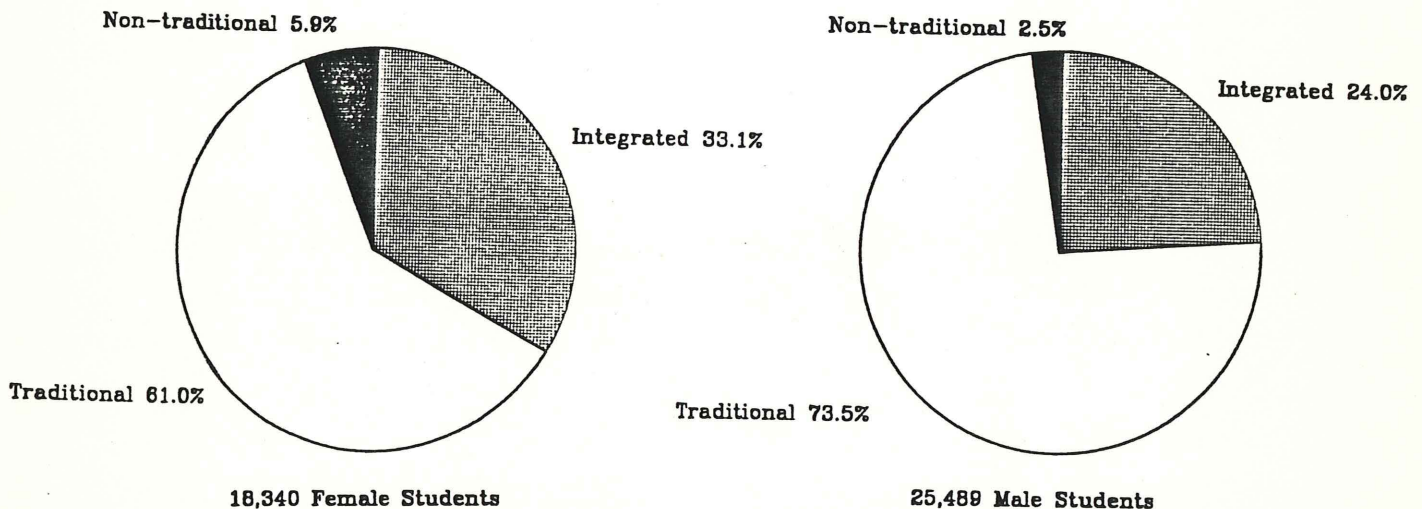
Hibbing has the largest proportion of students enrolled in non-traditional programs, accounting for just under seven percent of students. Duluth, Faribault and Minneapolis have over five percent of students enrolled in non-traditional programs.

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 non-traditional programs. However, there are differences in the enrollment patterns of men and women attending Technical Institutes.

Female students are more likely than male students to be enrolled in integrated programs -- nearly one-third of women compared to nearly one-fourth of men. Female students are over two times as likely as male students to be enrolled in non-traditional programs -- almost 1 in 17 female students compared with about 1 in 40 male students. (See Tables 6 and 7.)

Enrollments By Program Type, 1986-87



Statewide, just over one in seven Technical Institute students are enrolled in programs which are either all-male or all-female. There are 4,153 male students in programs with no women and 1,883 female students in courses with no men. (See Tables 3 and 4.)

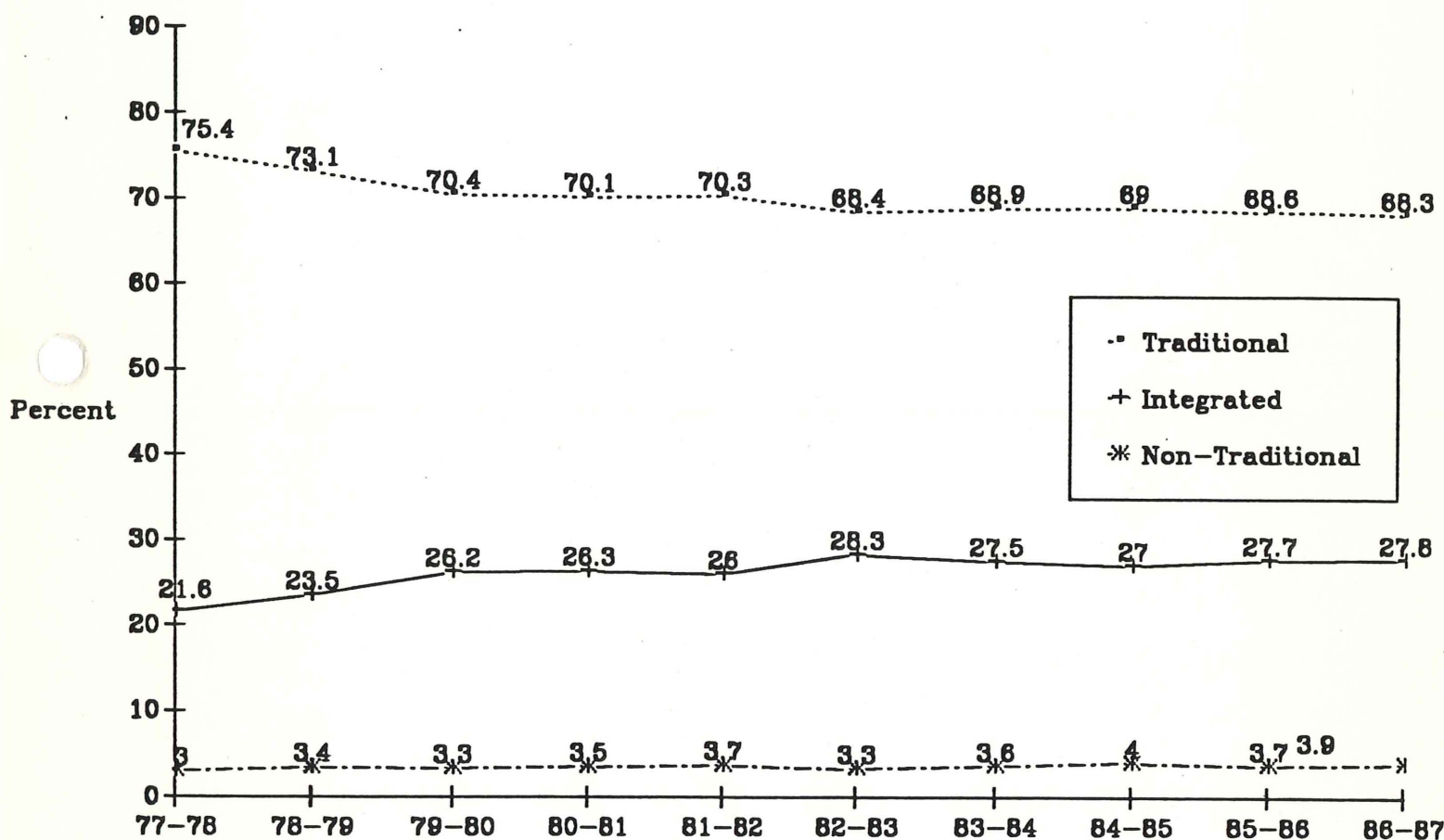
In addition, many courses have only one female student or only one male student. These pioneering students are in courses with an average of 41 students of the other sex. Forty-two women are "the only woman" in courses such as Welding. Thirty men are "the only man" in courses such as Data Entry.

Enrollments By Program Type - Trends

Little change has occurred over the past several years in enrollment patterns for traditional, non-traditional and integrated programs. The 1986-87 data show a very slight increase in the percentage of integrated and non-traditional enrollments. Traditional enrollments decreased slightly.

The proportion of students enrolled in integrated programs has remained at more than one-quarter in the 1980s, up from one-fifth in 1977-78. Non-traditional students account for about 1 in 26 students, and there has been an increase of almost one percent since 1978-79.

Student Enrollment By Program Type

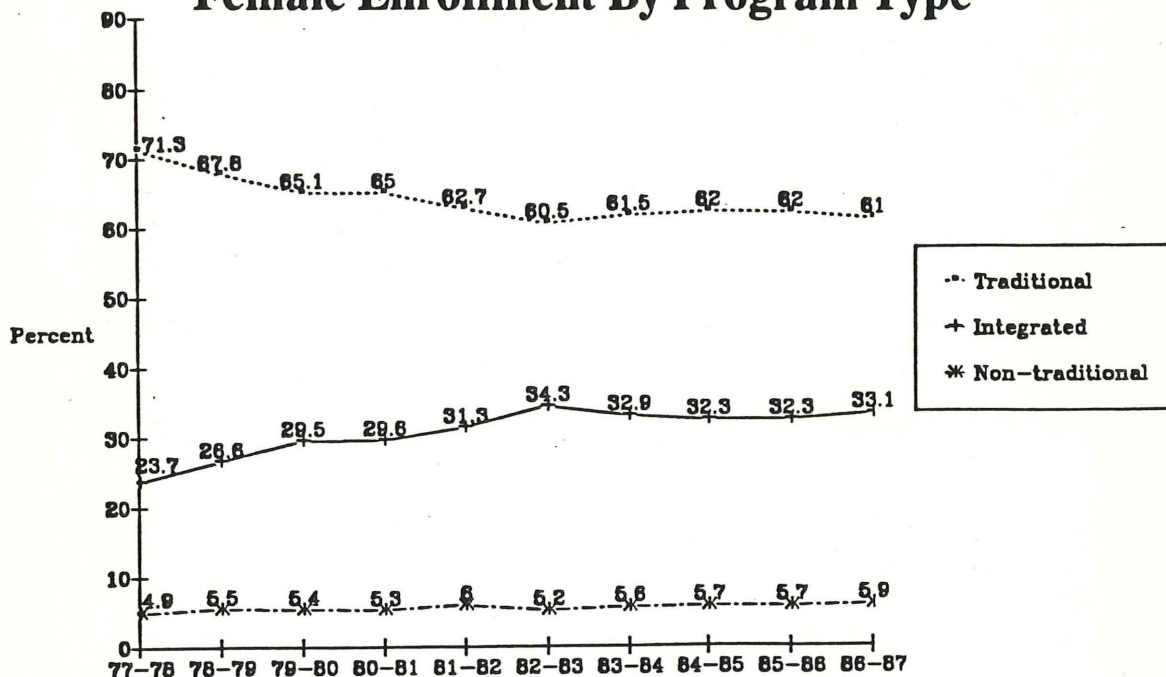


Note: Totals may not add up to 100% due to rounding.

Enrollment Trends, continued

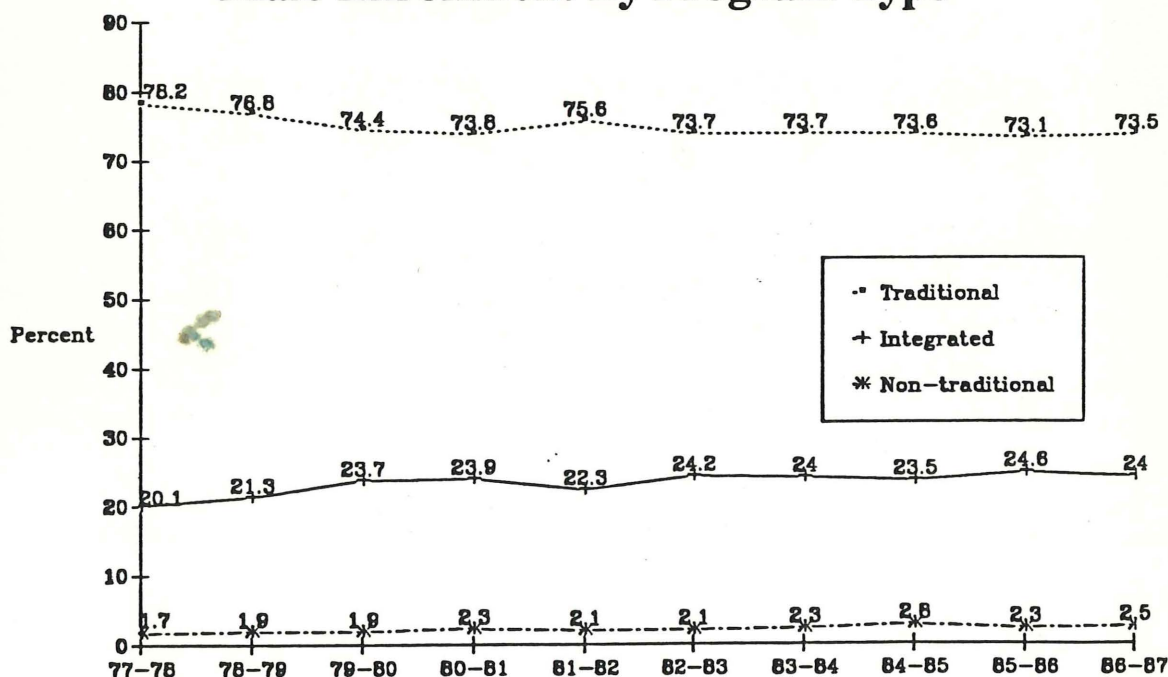
Over the years there has been more change in female enrollment patterns than in male enrollment patterns. Female integrated enrollments have increased from fewer than 1 in 4, to 1 in 3. Female non-traditional enrollments have increased one percent since 1977-78.

Female Enrollment By Program Type



The change in male enrollment patterns has been at a slower rate than that of female enrollments. Male enrollments in integrated programs have remained at about 1 in 4 since 1979-80, up from 1 in 5 in 1977-78.

Male Enrollment By Program Type

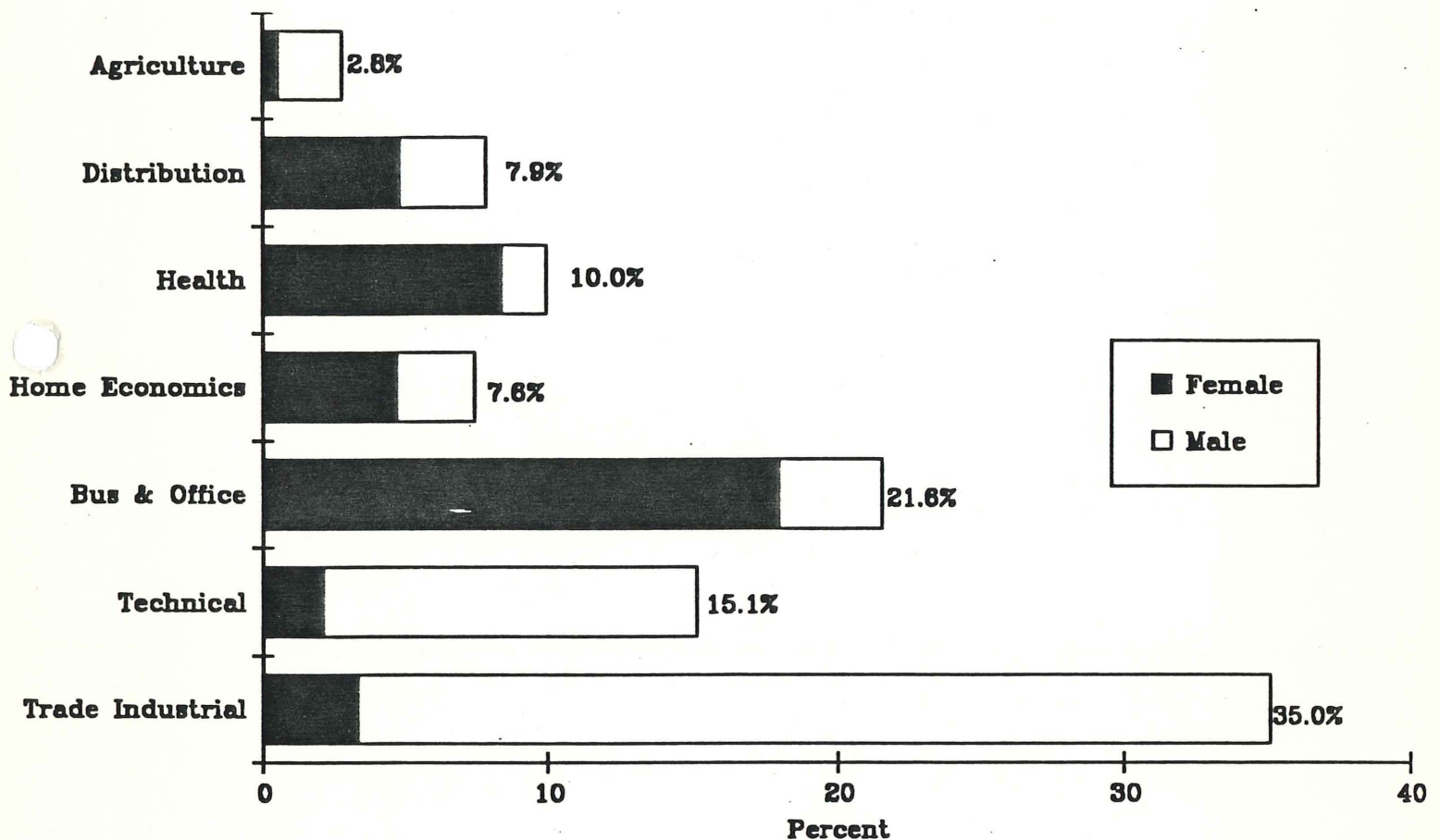


Curriculum Area Enrollment, 1986-87

The graph below shows the distribution of male and female students in the seven Technical Institute curriculum areas.

Over three-fifths of female students are enrolled in health or business and office programs, while over three-fourths of male students are enrolled in technical or trade-industrial programs. (See Table 8.)

Headcount By Curriculum Area, 1986-87



There is also segregation within program areas. For example, just over three-fourths of male business and office students are enrolled in only 3 of the 23 courses offered statewide: Accounting, Computer Programming and Data Processing Occupations.

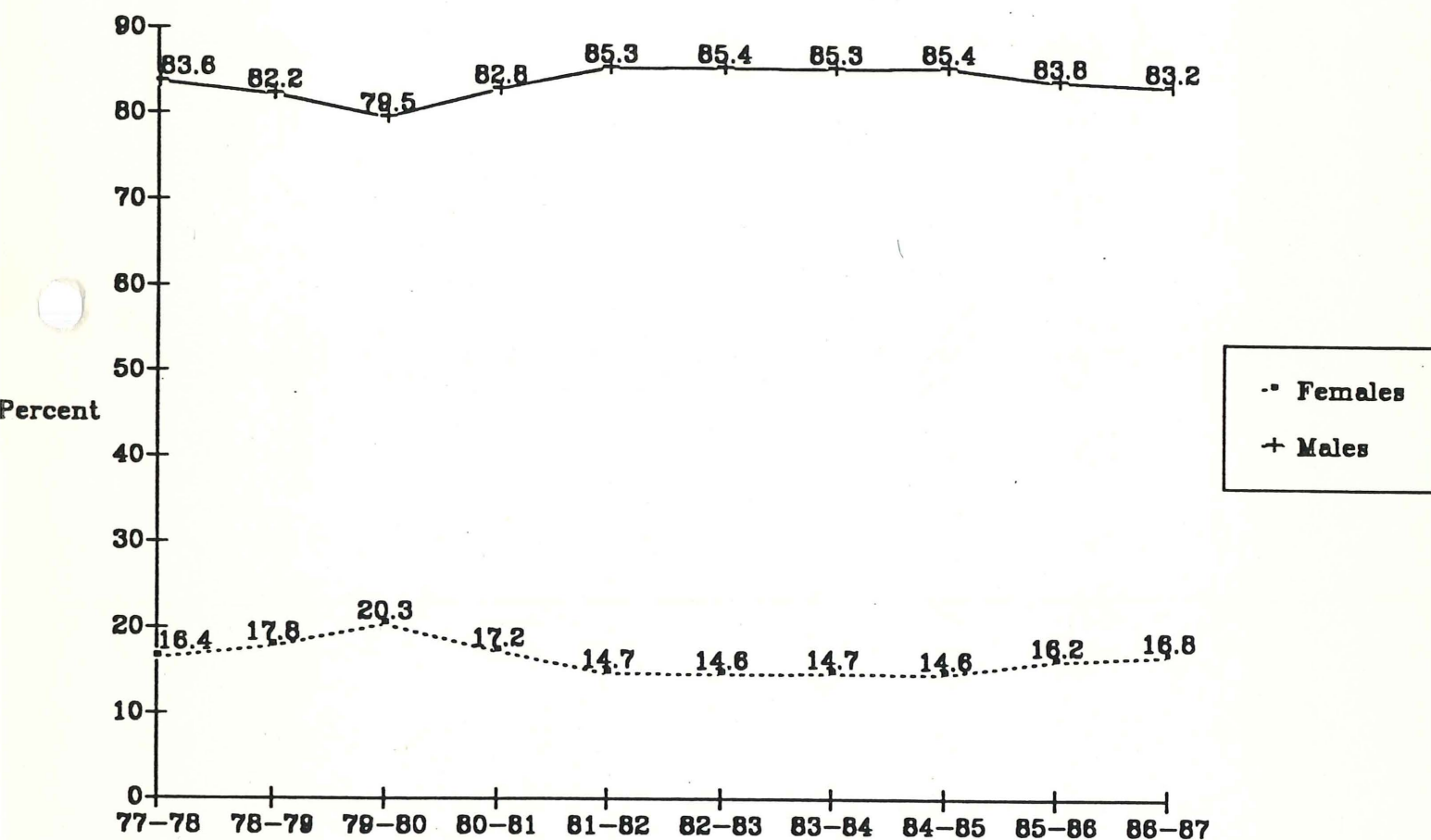
Just over half of female students in the trade and industrial area are enrolled in only 2 of the 61 courses: Commercial Art and Offset Printing (See Table 11)

Curriculum Area Enrollment - Trends

There have been few changes in male and female enrollment patterns by program since 1977-78. Agriculture, technical and trade and industrial curriculum areas continue to be "male" while health and business and office are "female". Home economics and distribution are more balanced areas.

The charts below and on the following pages show changes in enrollment patterns by curriculum area. For more information on enrollment in specific programs in 1986-87, see Table 11 in the appendix to this report.

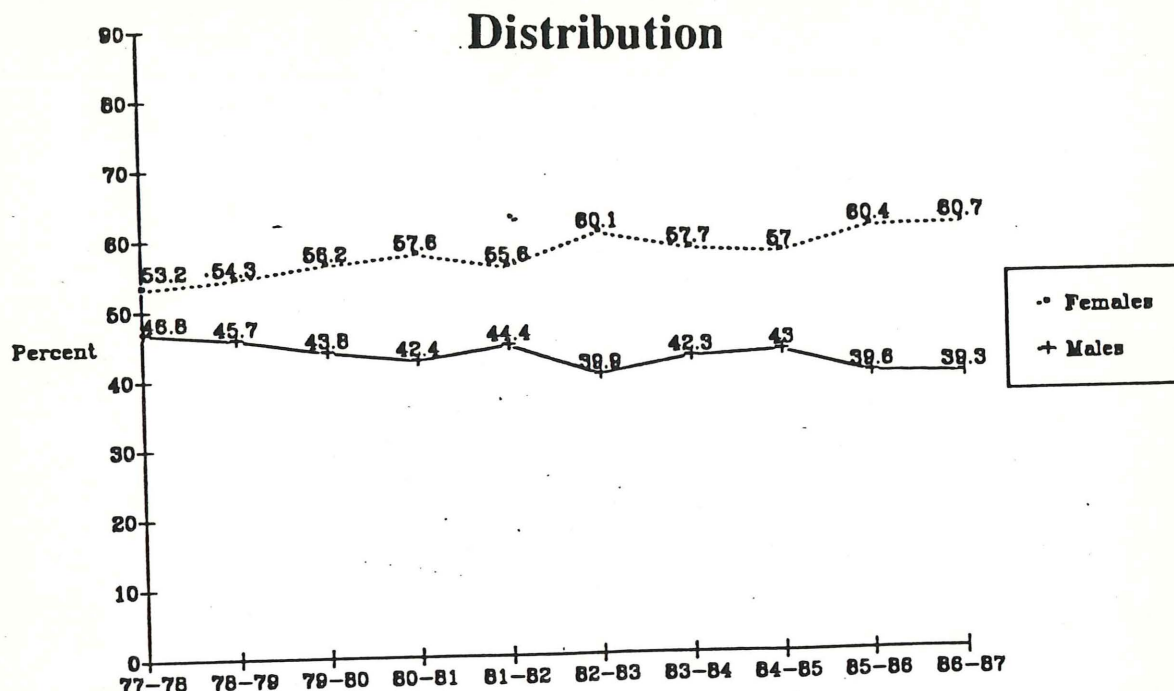
Agriculture



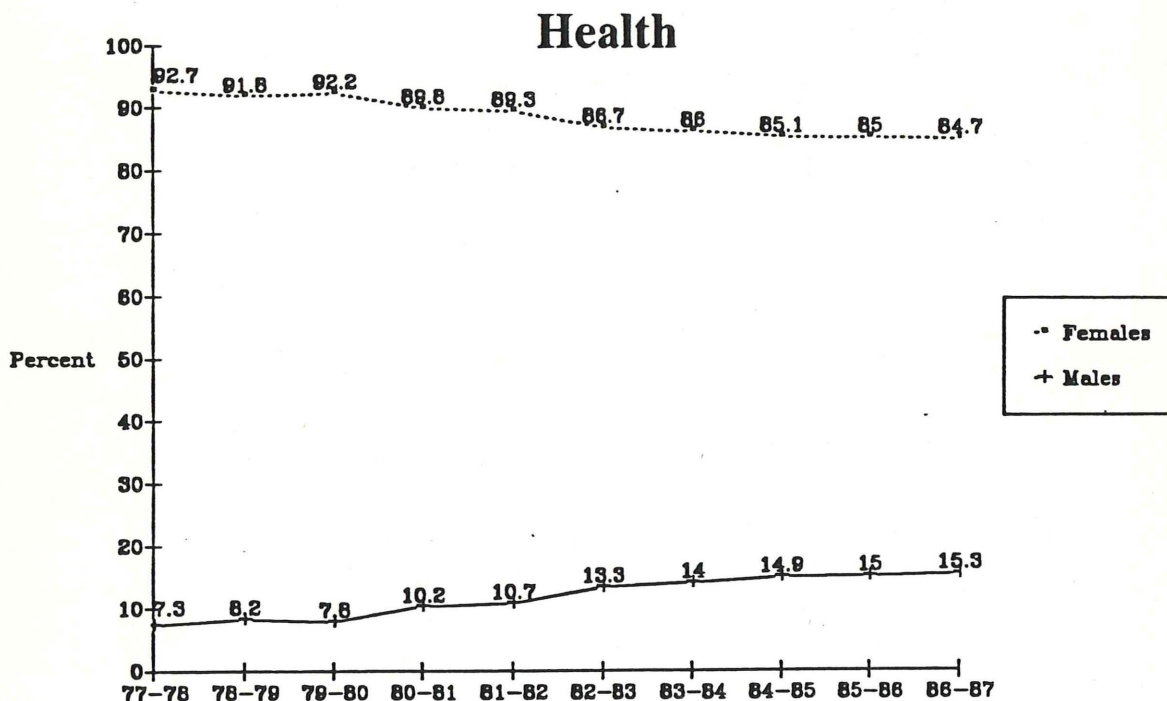
Women represent about 1 in 6 agriculture students. Female enrollments in this area are slightly above those of last year.

Of the 11 agriculture programs offered statewide, six are "male" programs, four are integrated programs and one is a "female" program. The "male" programs account for over seven in ten agriculture students. Just over three percent of agriculture students are enrolled in non-traditional programs.

Curriculum Area - Trends, continued



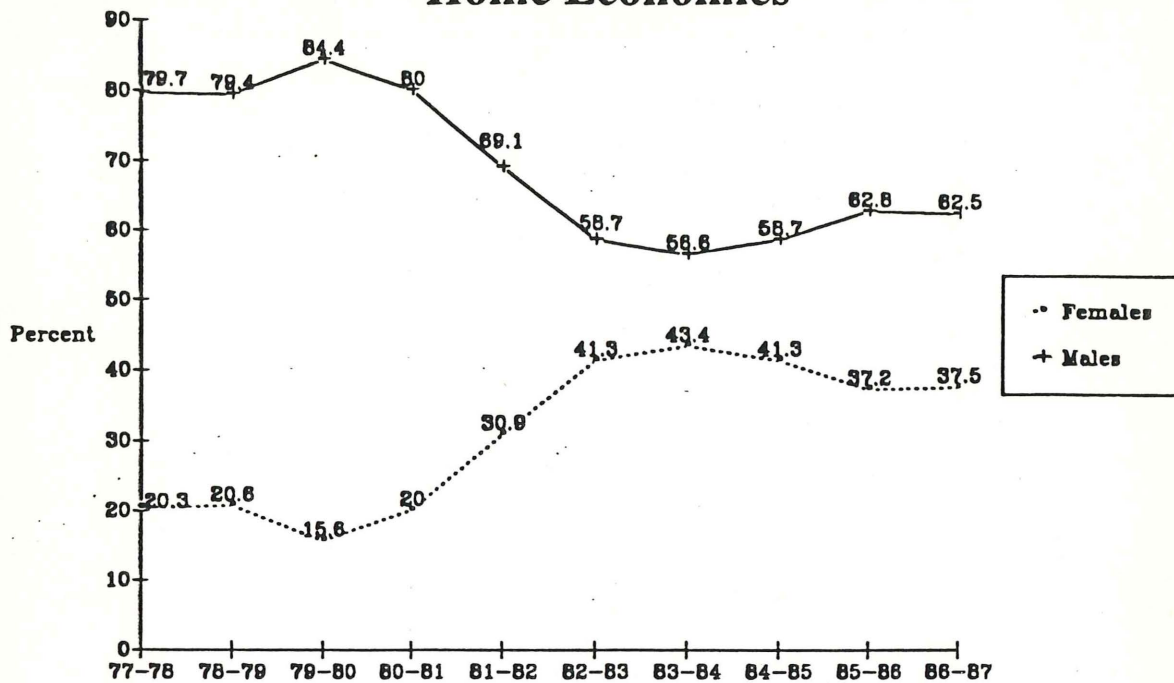
Distribution has historically been the most balanced by sex of the curriculum areas. Of the 26 distribution programs offered statewide, 14 are integrated while 7 are "male" programs and 5 are "female" programs. Two-thirds of students are enrolled in the integrated courses.



Men now represent just over 1 in 6 health students. Their enrollment has increased while there has been a decrease in female enrollments. Beginning in 1982-83 several programs previously assigned to trade and industrial were assigned to health. Of the 25 health programs offered statewide, 13 are "female" programs, 4 are "male" programs, and 8 are integrated programs. Less than one-fifth of health students are enrolled in integrated programs.

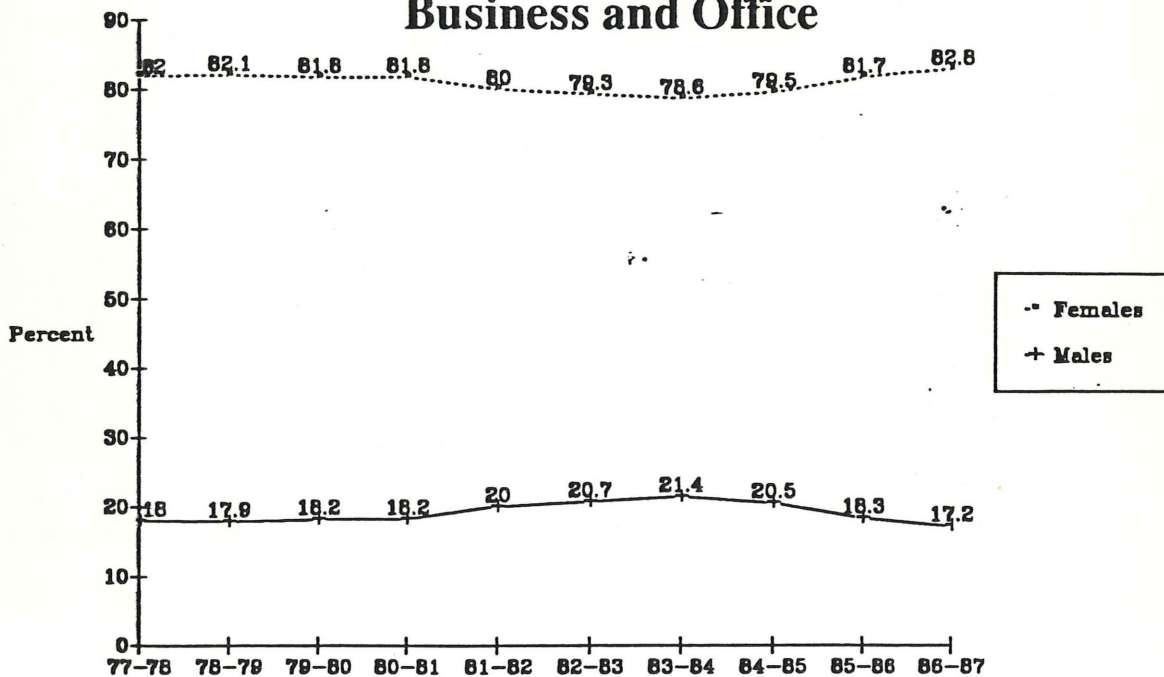
Curriculum Area - Trends, continued

Home Economics



There has been more change in the home economics area than in any other. Men represent just under two-fifths of students. Of the 21 home economics programs offered statewide, 7 are "female", 11 are integrated and 3 are "male". Over half of students are enrolled in integrated programs.

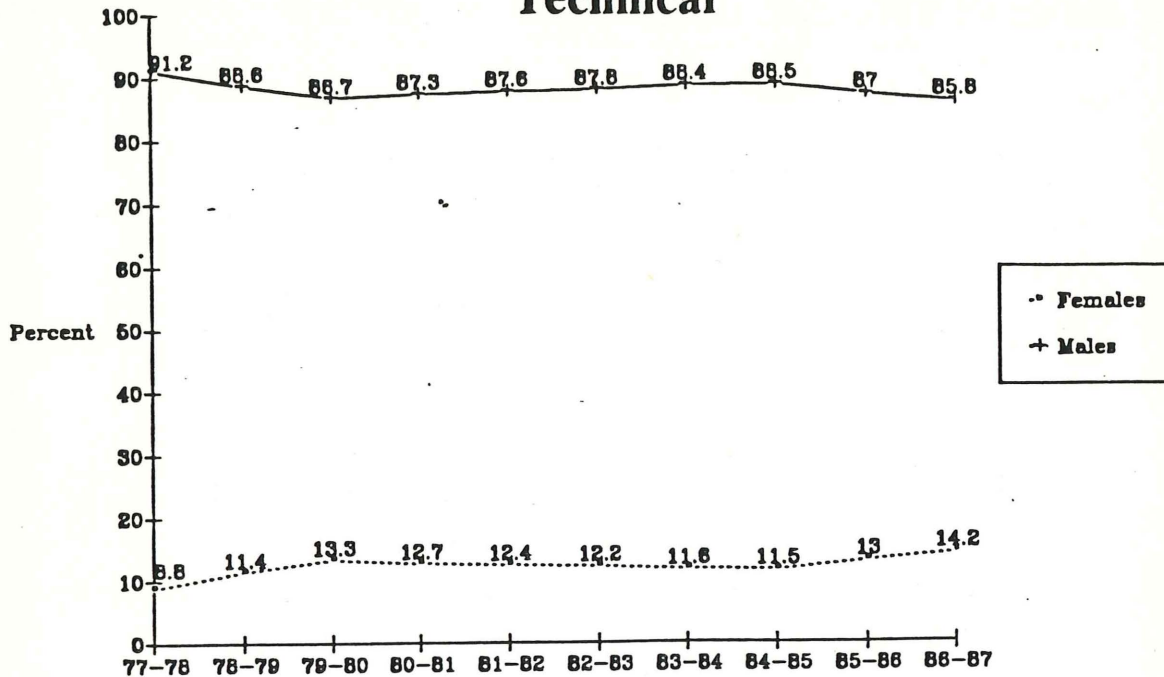
Business and Office



Men represent close to 1 in 6 business and office students. There has been little change in this area since 1977-78. Of the 23 programs offered statewide, 14 are "female" programs, and 9 are integrated programs. There are no "male" programs. Nearly three-tenths of the students are enrolled in the integrated programs.

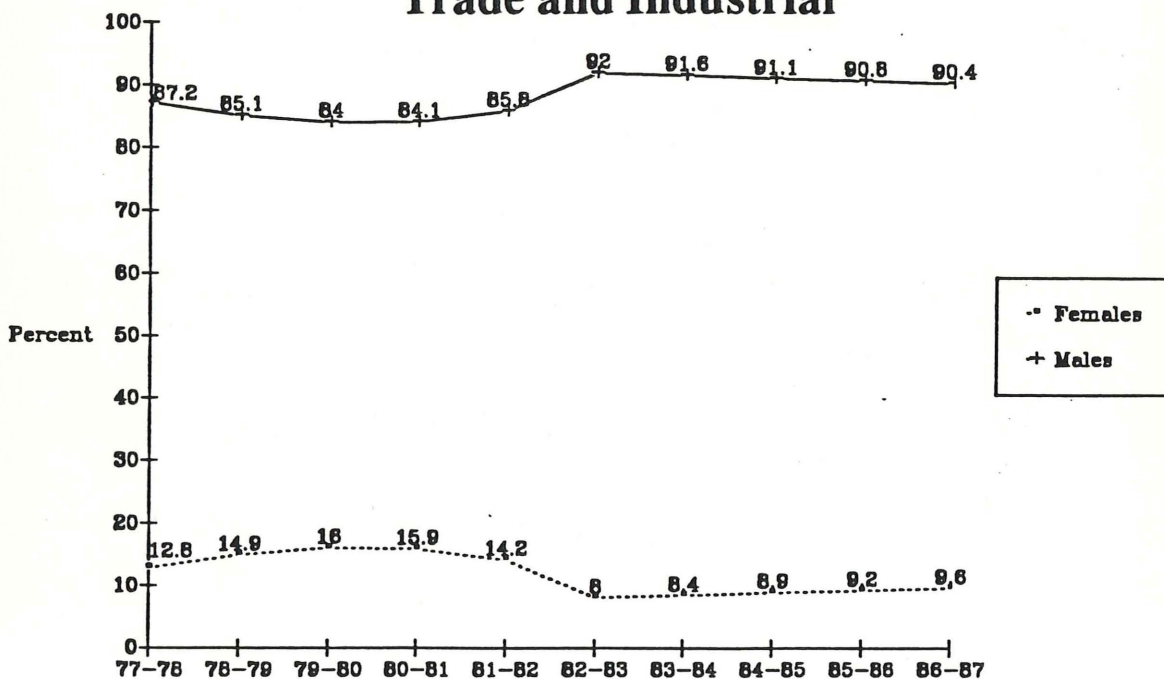
Curriculum Area - Trends, continued

Technical



Women account for about 1 in 7 technical students. Although their representation has fluctuated over the last several years, it remains above the level of 1977-78. Of the 45 technical programs offered statewide, 37 are "male" program and 8 are integrated programs. There are no "female" programs. One-fifth of the students are in integrated programs.

Trade and Industrial



Women account for over 1 in 10 trade and industrial students. Of the 61 trade and industrial programs offered statewide, 49 are "male" programs and 12 are integrated programs. There is no female program. The integrated programs account for only 13 percent of students. There are no "female" programs. Eleven programs have no female students.

Student Follow-up, 1986-87

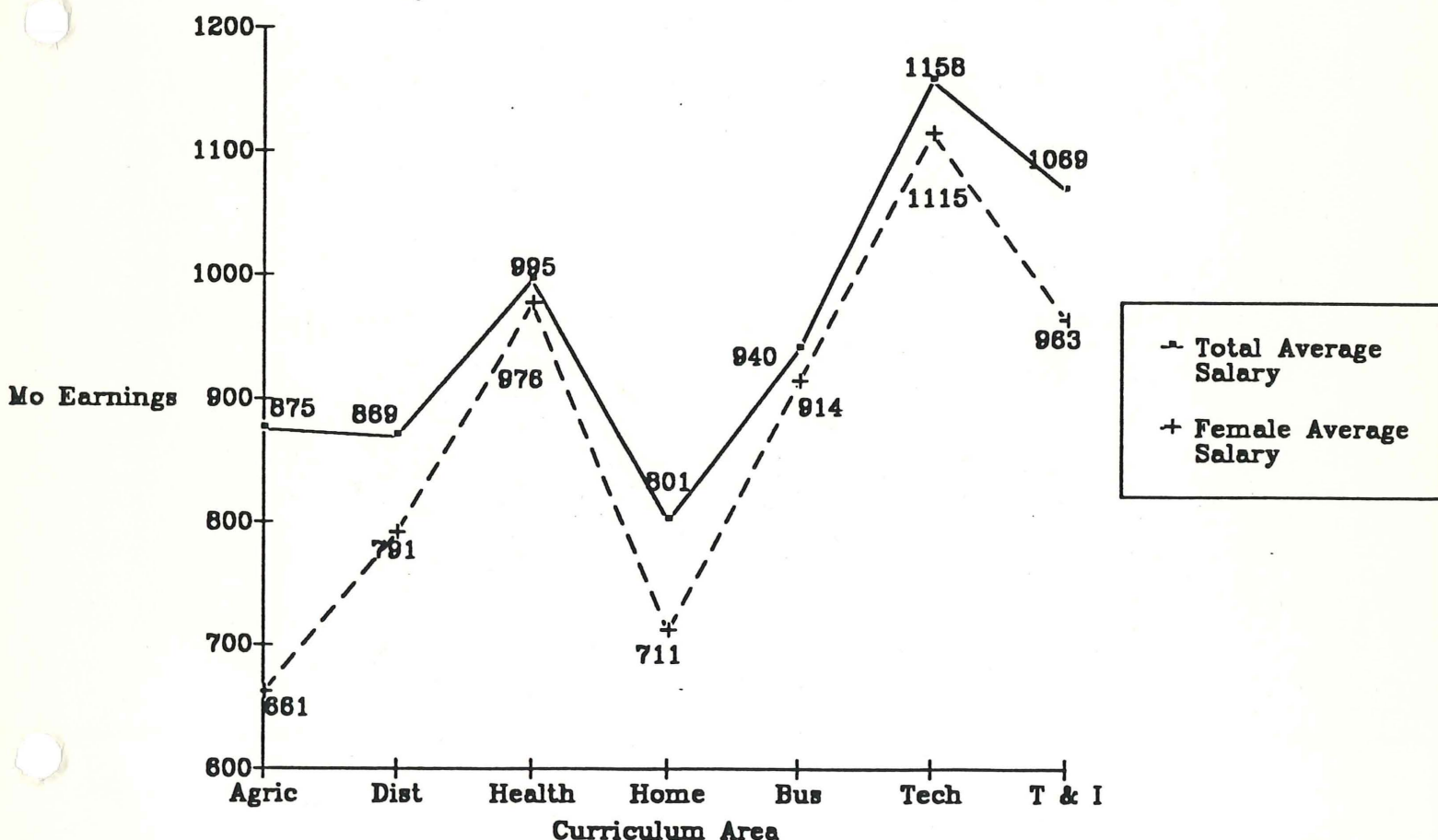
Data are available for 10,770 women and 13,753 men who left Technical Institute programs in fiscal year 1986. The students who leave a Technical Institute are classified as either dropouts or completers. There are some differences in dropout and completion rates of women and men. Overall, women are less likely to dropout. Women and men are equally likely to complete programs.

Women have a higher dropout rate than their male counterparts in agriculture, technical and trade and industrial. Women have a higher completion rate in distribution and health. The greatest difference between male and female dropout and completion rates is in business and office. Women and men have about the same dropout and completion rates in Home Economics (See Table 16.)

There is also information on placement of students who are available for work and are placed in a job related to their program of study. Placement rates for these students are very high, with few differences by sex. The largest differences are in health and business and office, where women have higher placement rates. (See Table 16.)

The major difference between female and male students is in earnings. Women's earnings are consistently lower than the average earnings of all students. The salary data are available only by all students and by female students. There is not a separate breakdown for male students. In every curriculum area, women's salaries are less than salaries of all students.

Average Earnings of Graduates By Curriculum Area - One Year Later

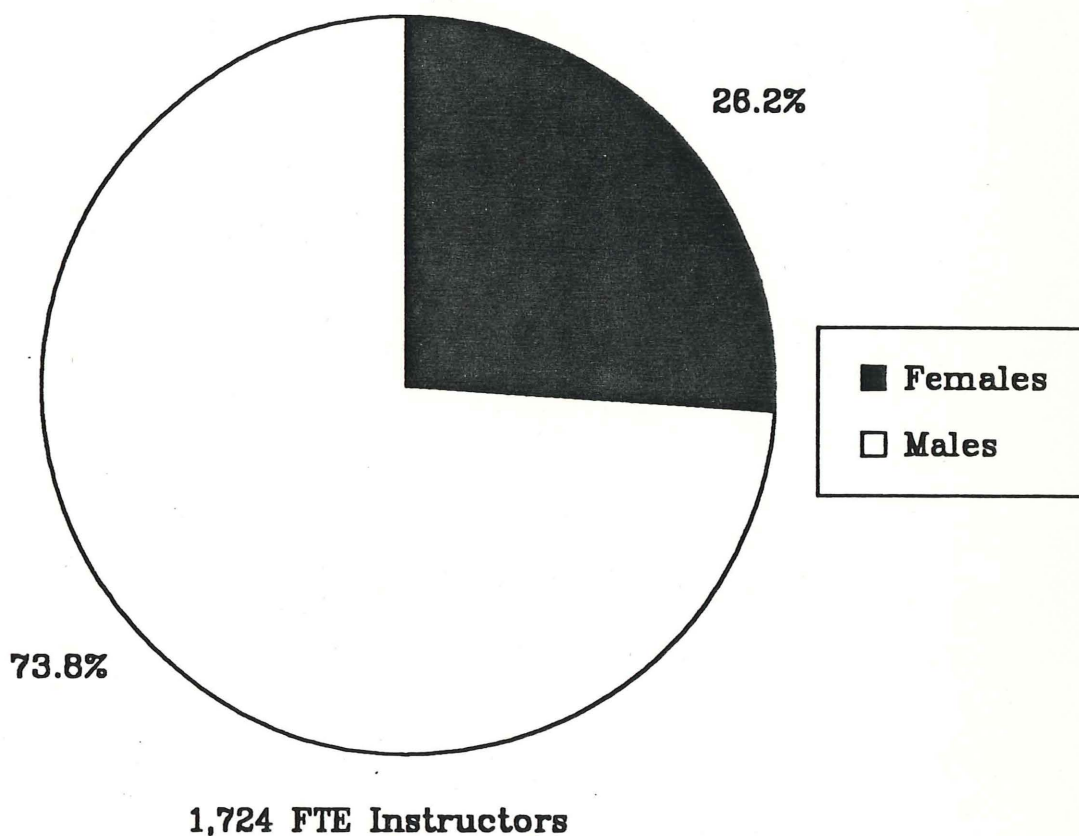


Staff Patterns, 1986-87

Staff patterns provide another measure of sex equity in the Technical Institute System. Staff data in this report are expressed in full-time equivalents (FTEs).

There are 1,724 Technical Institute instructors in the seven curriculum areas. There are an additional 364 staff in vocational related activities. Overall, less than three in ten of these instructors are women. Women account for slightly more than one-quarter of the curriculum area and two-fifths of the vocational-related staff. The only school where over one-half of instructors and vocational related staff are women is East Grand Forks Technical Institute, where women account for only 43 percent of students but 58 percent of instructors. At Rochester Technical Institute 45 percent of instructors in the seven curriculum areas are women, while 48 percent of the students at the school are women.

Instructors, 1986-87



Female instructors in the seven curriculum areas have lower average salaries than male teachers at 25 of the 30 Technical Institutes, including 8 schools where the women have more years of service than their male counterparts. Statewide, male teachers now earn an average of \$2,578 per year of service, compared with \$2,558 for their female counterparts. (See Table 14 and 15.)

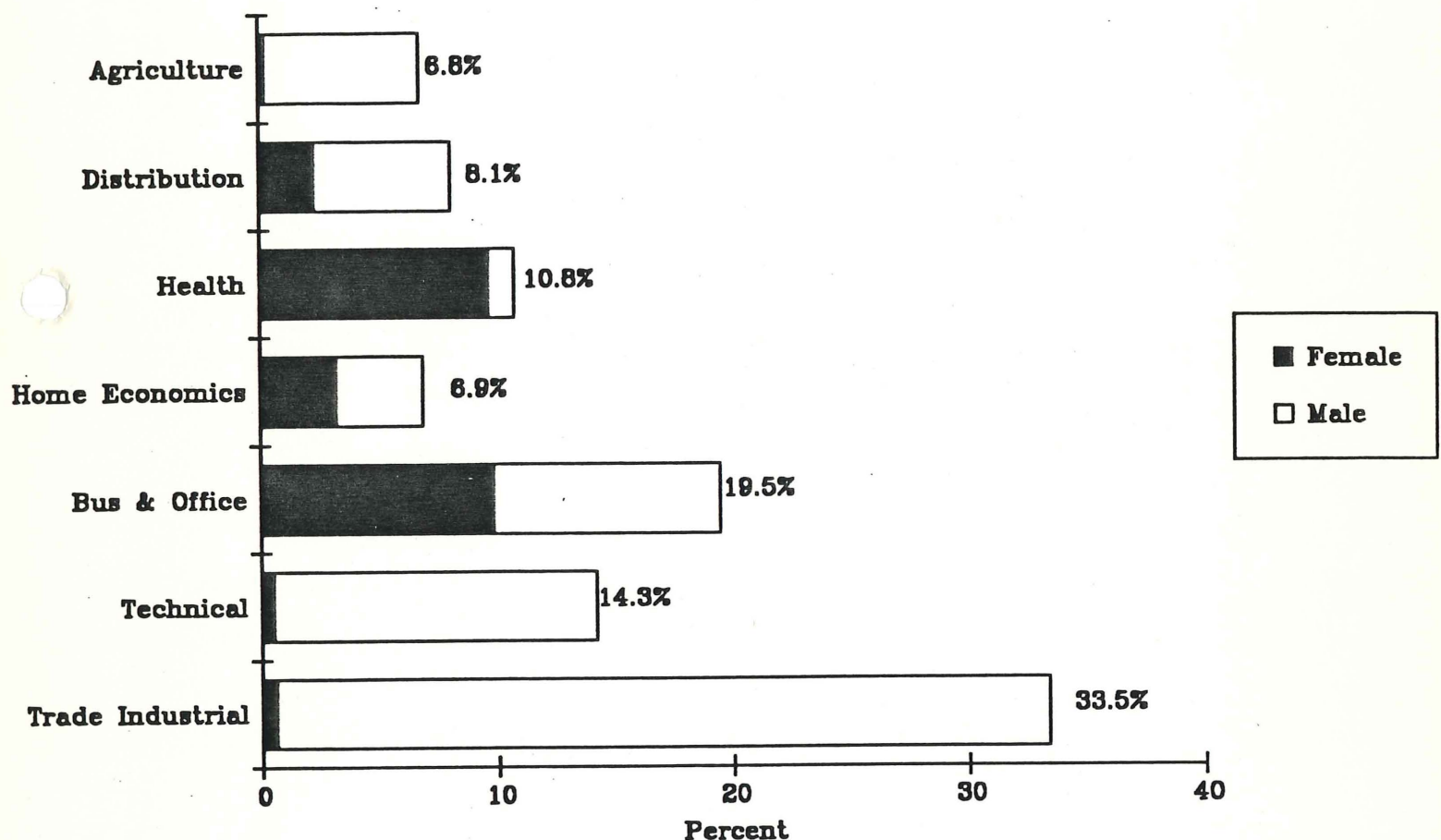
Women account for 21 percent of Technical Institute System administrators and supervisors in the state.

Curriculum Area Instructors, 1986-87

The chart below shows the distribution of instructors by curriculum area, excluding vocational related activities. Three-fourths of female instructors are in health or business and office programs, while almost one-half of male instructors are in technical or trade and industrial programs.

There are only 19 female instructors in technical and trade and industrial programs, accounting for 2 percent of all instructors in these areas.

Instructors By Curriculum Area, 1986-87

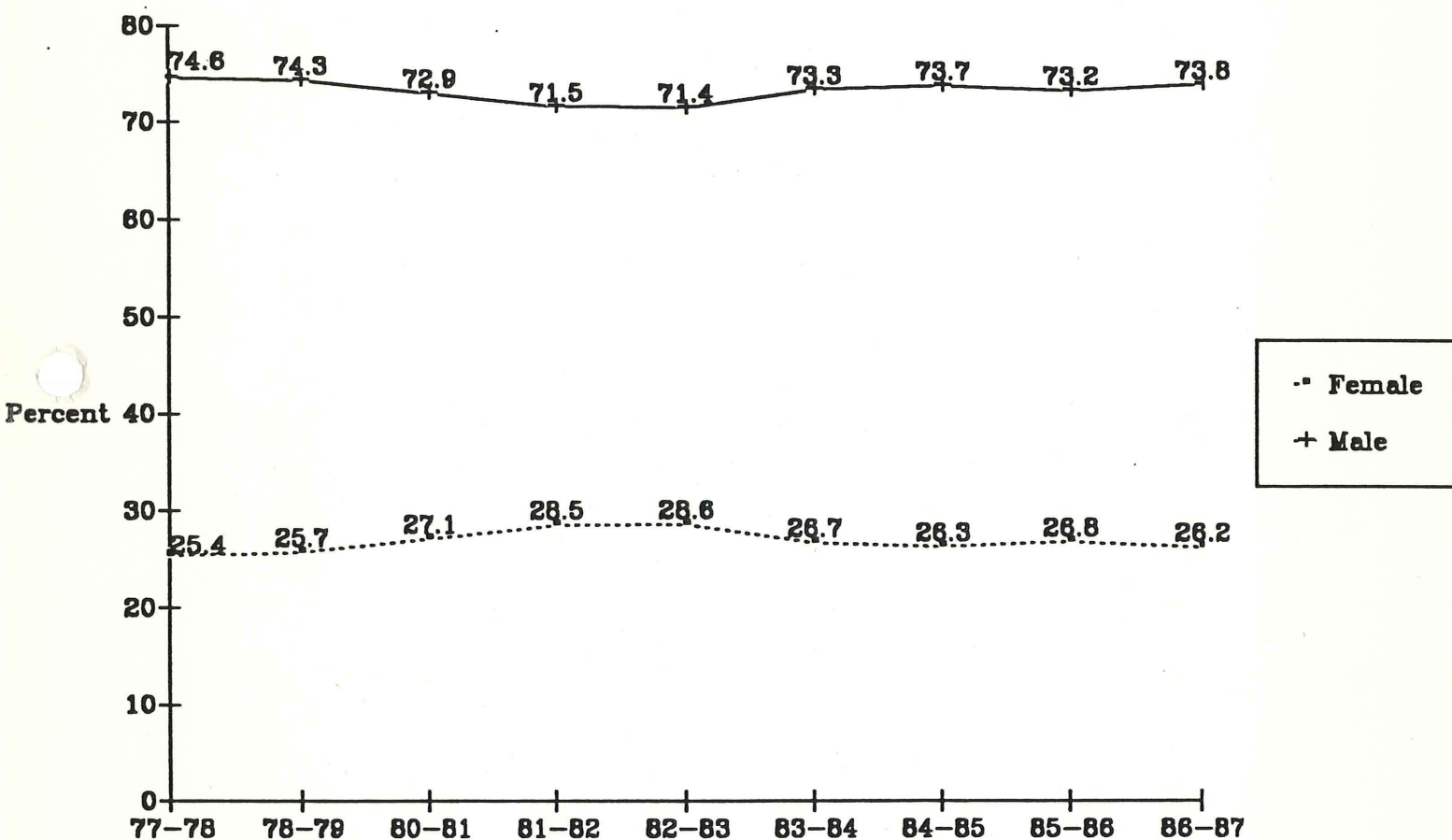


The proportion of instructors who are female is lower than the proportion of students who are female in every program area except health. This is true even for some areas that are predominately female such as business and office, where women are over 80 percent of the students but only 50 percent of the instructors.

Staff Trends

Since 1977-78 there has been a decrease of 540 FTE instructor positions at Minnesota Technical Institutes. This includes a decrease of 417 male instructors and a decrease of 123 female instructors. Statewide, female teachers have represented approximately one-quarter of all instructors during this period.

There has been an overall gain in the representation of women among technical institute system administrators and supervisors since 1977-78. The percentage of women has increased from 11 to 19 percent during this time.



Appendices

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Appendix I - Trends

STUDENT HEADCOUNT ENROLLMENTS

See page 4

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	17,258	40.5%	17,080	41.2%	19,346	42.6%	20,108	41.8%	20,512	41.1%
Number of MALES	25,365	59.5%	24,345	58.8%	26,041	57.4%	27,942	58.2%	29,373	58.9%
TOTAL	42,623	100.0%	41,425	100.0%	45,387	100.0%	48,050	100.0%	49,885	100.0%

PROGRAM TYPE

See page 6

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
# of SEGREGATED Pgs	592	78.2%	592	76.6%	579	74.7%	581	74.6%	590	75.6%
# of INTEGRATED Pgs	165	21.8%	181	23.4%	196	25.3%	198	25.4%	190	24.4%
TOTAL Programs	757	100.0%	773	100.0%	775	100.0%	779	100.0%	780	100.0%

SEGREGATED PROGRAMS

See page 7

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
# of "FEMALE" Pgs	215	36.3%	224	37.8%	226	39.0%	225	38.7%	217	36.8%
# of "MALE" Pgs	377	63.7%	368	62.2%	353	61.0%	356	61.3%	373	63.2%
TOTAL Segregated Pgs	592	100.0%	592	100.0%	579	100.0%	581	100.0%	590	100.0%

STUDENT ENROLLMENT BY PROGRAM TYPE

See page 10

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
# in TRADITIONAL Pgs	32,143	75.4%	30,284	73.1%	31,974	70.4%	33,701	70.1%	35,063	70.3%
# in INTEGRATED Pgs	9,202	21.6%	9,731	23.5%	11,893	26.2%	12,644	26.3%	12,967	26.0%
# in NON-TRADITIONAL	1,278	3.0%	1,410	3.4%	1,520	3.3%	1,705	3.5%	1,855	3.7%
TOTAL Students	42,623	100.0%	41,425	100.0%	45,387	100.0%	48,050	100.0%	49,885	100.0%

FEMALE ENROLLMENTS BY PROGRAM TYPE

See page 11

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
# in TRADITIONAL Pgs	12,312	71.3%	11,585	67.8%	12,598	65.1%	13,078	65.0%	12,860	62.7%
# in INTEGRATED Pgs	4,092	23.7%	4,551	26.6%	5,712	29.5%	5,958	29.6%	6,417	31.3%
# in NON-TRADITIONAL	854	4.9%	944	5.5%	1,036	5.4%	1,072	5.3%	1,235	6.0%
TOTAL Female Students	17,258	100.0%	17,080	100.0%	19,346	100.0%	20,108	100.0%	20,512	100.0%

(Trends, continued)

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
20,077	40.7%	20,086	39.7%	17,686	39.5%	17,655	40.6%	18,340	41.8%
29,309	59.3%	30,532	60.3%	27,063	60.5%	25,806	59.4%	25,489	58.2%
49,386	100.0%	50,618	100.0%	44,749	100.0%	43,461	100.0%	43,829	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
570	74.2%	640	74.3%	596	74.7%	580	72.8%	597	73.3%
198	25.8%	221	25.7%	202	25.3%	217	27.2%	217	26.7%
768	100.0%	861	100.0%	798	100.0%	797	100.0%	814	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
201	35.3%	227	35.5%	213	35.7%	209	36.0%	207	34.7%
369	64.7%	413	64.5%	383	64.3%	371	64.0%	390	65.3%
570	100.0%	640	100.0%	596	100.0%	580	100.0%	597	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
33,759	68.4%	34,869	68.9%	30,885	69.0%	29,817	68.6%	29,918	68.3%
13,975	28.3%	13,921	27.5%	12,088	27.0%	12,047	27.7%	12,191	27.8%
1,652	3.3%	1,828	3.6%	1,776	4.0%	1,597	3.7%	1,720	3.9%
49,386	100.0%	50,618	100.0%	44,749	100.0%	43,461	100.0%	43,829	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
2,155	60.5%	12,358	61.5%	10,963	62.0%	10,944	62.0%	11,180	61.0%
6,883	34.3%	6,607	32.9%	5,717	32.3%	5,706	32.3%	6,075	33.1%
1,039	5.2%	1,121	5.6%	1,006	5.7%	1,005	5.7%	1,085	5.9%
20,077	100.0%	20,086	100.0%	17,686	100.0%	17,655	100.0%	18,340	100.0%

(Trends, continued)

MALE ENROLLMENTS BY PROGRAM TYPE

See page 11

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
# in TRADITIONAL Pgs	19,831	78.2%	18,699	76.8%	19,376	74.4%	20,623	73.8%	22,203	75.6%
# in INTEGRATED Pgs	5,110	20.1%	5,180	21.3%	6,181	23.7%	6,686	23.9%	6,550	22.3%
# in NON-TRADITIONAL	424	1.7%	466	1.9%	484	1.9%	633	2.3%	620	2.1%
TOTAL Male Students	25,365	100.0%	24,345	100.0%	26,041	100.0%	27,942	100.0%	29,373	100.0%

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - AGRICULTURE

See page 13

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	337	16.4%	352	17.8%	445	20.5%	376	17.2%	342	14.7%
Number of MALES	1,718	83.6%	1,629	82.2%	1,729	79.5%	1,809	82.8%	1,991	85.3%
TOTAL	2,055	100.0%	1,981	100.0%	2,174	100.0%	2,185	100.0%	2,333	100.0%

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - DISTRIBUTION

See page 14

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	1,756	53.2%	1,832	54.3%	1,874	56.2%	1,984	57.6%	2,084	55.6%
Number of MALES	1,545	46.8%	1,540	45.7%	1,463	43.8%	1,459	42.4%	1,665	44.4%
TOTAL	3,301	100.0%	3,372	100.0%	3,337	100.0%	3,443	100.0%	3,749	100.0%

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - HEALTH

See page 14

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	4,795	92.7%	4,350	91.8%	5,014	92.2%	5,028	89.8%	5,077	89.3%
Number of MALES	377	7.3%	390	8.2%	425	7.8%	574	10.2%	607	10.7%
TOTAL	5,172	100.0%	4,740	100.0%	5,439	100.0%	5,602	100.0%	5,684	100.0%

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - HOME ECONOMICS

See page 15

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	602	79.7%	540	79.4%	723	84.4%	815	80.0%	1,127	69.1%
Number of MALES	153	20.3%	140	20.6%	134	15.6%	204	20.0%	503	30.9%
TOTAL	755	100.0%	680	100.0%	857	100.0%	1,019	100.0%	1,630	100.0%

(Trends, continued)

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
21,604	73.7%	22,511	73.7%	19,922	73.6%	18,873	73.1%	18,738	73.5%
7,092	24.2%	7,314	24.0%	6,371	23.5%	6,341	24.6%	6,116	24.0%
613	2.1%	707	2.3%	770	2.8%	592	2.3%	635	2.5%
29,309	100.0%	30,532	100.0%	27,063	100.0%	25,806	100.0%	25,489	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
310	14.6%	312	14.7%	256	14.6%	248	16.2%	206	16.8%
1,808	85.4%	1,815	85.3%	1,503	85.4%	1,279	83.8%	1,021	83.2%
2,118	100.0%	2,127	100.0%	1,759	100.0%	1,527	100.0%	1,227	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
2,130	60.1%	2,190	57.7%	1,990	57.0%	2,090	60.4%	2,093	60.7%
1,414	39.9%	1,607	42.3%	1,502	43.0%	1,371	39.6%	1,356	39.3%
3,544	100.0%	3,797	100.0%	3,492	100.0%	3,461	100.0%	3,449	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
4,625	86.7%	4,712	86.0%	3,739	85.1%	3,510	85.0%	3,699	84.5%
708	13.3%	766	14.0%	653	14.9%	618	15.0%	680	15.5%
5,333	100.0%	5,478	100.0%	4,392	100.0%	4,128	100.0%	4,379	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
2,445	58.7%	2,378	56.6%	2,116	58.7%	2,091	62.8%	2,072	62.5%
1,721	41.3%	1,821	43.4%	1,489	41.3%	1,236	37.2%	1,242	37.5%
4,166	100.0%	4,199	100.0%	3,605	100.0%	3,327	100.0%	3,314	100.0%

(Trends, continued)

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - BUSINESS & OFFICE

See page 15

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	6,987	82.0%	6,777	82.1%	7,494	81.8%	7,891	81.8%	8,268	80.0%
Number of MALES	1,534	18.0%	1,474	17.9%	1,663	18.2%	1,755	18.2%	2,069	20.0%
TOTAL	8,521	100.0%	8,251	100.0%	9,157	100.0%	9,646	100.0%	10,337	100.0%

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - TECHNICAL

See page 16

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	314	8.8%	405	11.4%	550	13.3%	538	12.7%	603	12.4%
Number of MALES	3,254	91.2%	3,136	88.6%	3,593	86.7%	3,714	87.3%	4,278	87.6%
TOTAL	3,568	100.0%	3,541	100.0%	4,143	100.0%	4,252	100.0%	4,881	100.0%

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - TRADE & INDUSTRIAL

See page 16

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
Number of FEMALES	2,467	12.8%	2,807	14.9%	3,246	16.0%	3,476	15.9%	3,011	14.2%
Number of MALES	16,806	87.2%	16,036	85.1%	17,034	84.0%	18,427	84.1%	18,260	85.8%
TOTAL	19,273	100.0%	18,843	100.0%	20,280	100.0%	21,903	100.0%	21,271	100.0%

TECHNCIAL INSTITUTE SYSTEM INSTRUCTORS

See page 19

	1977-1978		1978-1979		1979-1980		1980-1981		1981-1982	
	#	%	#	%	#	%	#	%	#	%
# FEMALE Instructors	574	25.4%	591	25.7%	NA	NA	638	27.1%	675	28.5%
# MALE Instructors	1,690	74.6%	1,710	74.3%	NA	NA	1,716	72.9%	1,695	71.5%
TOTAL Instructors	2,264	100.0%	2,301	100.0%	NA	NA	2,354	100.0%	2,370	100.0%

(Trends, continued)

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
8,419	79.3%	8,220	78.6%	7,449	79.5%	7,454	81.7%	7,863	82.8%
2,198	20.7%	2,236	21.4%	1,921	20.5%	1,666	18.3%	1,635	17.2%
10,617	100.0%	10,456	100.0%	9,370	100.0%	9,120	100.0%	9,498	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
775	12.2%	780	11.6%	712	11.5%	839	13.0%	940	14.2%
5,600	87.8%	5,935	88.4%	5,498	88.5%	5,599	87.0%	5,679	85.8%
6,375	100.0%	6,715	100.0%	6,210	100.0%	6,438	100.0%	6,619	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
1,373	8.0%	1,494	8.4%	1,424	8.9%	1,423	9.2%	1,467	9.6%
15,860	92.0%	16,352	91.6%	14,497	91.1%	14,037	90.8%	13,876	90.4%
17,233	100.0%	17,846	100.0%	15,921	100.0%	15,460	100.0%	15,343	100.0%

1982-1983		1983-1984		1984-1985		1985-1986		1986-87	
#	%	#	%	#	%	#	%	#	%
669	28.6%	514	26.7%	489	26.3%	474	26.8%	451	26.2%
1,672	71.4%	1,412	73.3%	1,367	73.7%	1,298	73.2%	1,273	73.8%
2,341	100.0%	1,926	100.0%	1,856	100.0%	1,772	100.0%	1,724	100.0%

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Table 1. Headcount Enrollments By Sex, 1986-87

TI	Female Student	Male Student	Total Student	Percent Female	Percent Male
Albert Lea	360	449	809	44.5%	55.5%
Alexandria	806	1,002	1,808	44.6%	55.4%
Anoka	1,054	1,228	2,282	46.2%	53.8%
Austin	337	505	842	40.0%	60.0%
Bemidji	306	290	596	51.3%	48.7%
Brainerd	561	534	1,095	51.2%	48.8%
Canby	97	248	345	28.1%	71.9%
Dakota County	1,055	1,228	2,283	46.2%	53.8%
Detroit Lakes	408	562	970	42.1%	57.9%
Duluth	1,033	1,048	2,081	49.6%	50.4%
East Grand Forks	412	550	962	42.8%	57.2%
Eveleth	171	265	436	39.2%	60.8%
Faribault	287	304	591	48.6%	51.4%
Granite Falls	167	314	481	34.7%	65.3%
Hennepin	1,426	2,877	4,303	33.1%	66.9%
Hibbing	235	679	914	25.7%	74.3%
Hutchinson	386	578	964	40.0%	60.0%
Jackson	208	429	637	32.7%	67.3%
Mankato	830	1,057	1,887	44.0%	56.0%
Minneapolis	1,403	1,988	3,391	41.4%	58.6%
Moorhead	526	630	1,156	45.5%	54.5%
Northeast Metro	1,398	1,649	3,047	45.9%	54.1%
Pine City	148	207	355	41.6%	58.3%
Pipestone	149	327	476	31.3%	68.7%
Red Wing	160	362	522	30.7%	69.3%
Rochester	550	597	1,147	48.0%	52.0%
Saint Cloud	897	1,089	1,986	45.2%	54.8%
Saint Paul	1,288	1,825	3,113	41.4%	58.6%
Staples	124	609	733	16.9%	83.1%
Thief River Falls	271	427	698	38.8%	61.2%
Wadena	349	436	785	44.5%	55.5%
Willmar	687	849	1,536	44.7%	55.3%
Winona	251	347	598	42.0%	58.0%
TOTAL	18,340	25,489	43,829	41.8%	58.2%

Table 2. Segregated and Integrated Programs, 1986-87

TI	Segregated Programs						Integrated Progs		
	Total	"Female"		"Male"		Total	Total		
	Programs	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Albert Lea	14	2	14.3%	7	50.0%	9	64.3%	5	35.7%
Alexandria	35	13	37.1%	15	42.9%	28	80.0%	7	20.0%
Anoka	35	14	40.0%	13	37.1%	27	77.1%	8	22.9%
Austin	19	5	26.3%	9	47.4%	14	73.7%	5	26.3%
Bemidji	12	5	41.7%	4	33.3%	9	75.0%	3	25.0%
Brainerd	23	10	43.5%	5	21.7%	15	65.2%	8	34.8%
Canby	10	4	40.0%	6	60.0%	10	100.0%	0	0.0%
Dakota County	36	6	16.7%	20	55.6%	26	72.2%	10	27.8%
Detroit Lakes	23	4	17.4%	14	60.9%	18	78.3%	5	21.7%
Duluth	30	8	26.7%	13	43.3%	21	70.0%	9	30.0%
East Grand Forks	18	7	38.9%	6	33.3%	13	72.2%	5	27.8%
Eveleth	13	2	15.4%	7	53.8%	9	69.2%	4	30.8%
Faribault	15	4	26.7%	7	46.7%	11	73.3%	4	26.7%
Granite Falls	14	5	35.7%	6	42.9%	11	78.6%	3	21.4%
Hennepin	78	11	14.1%	45	57.7%	56	71.8%	22	28.2%
Hibbing	13	2	15.4%	7	53.8%	9	69.2%	4	30.8%
Hutchinson	20	5	25.0%	9	45.0%	14	70.0%	6	30.0%
Jackson	15	2	13.3%	10	66.7%	12	80.0%	3	20.0%
Mankato	26	6	23.1%	11	42.3%	17	65.4%	9	34.6%
Minneapolis	40	5	12.5%	18	45.0%	23	57.5%	17	42.5%
Moorhead	24	8	33.3%	10	41.7%	18	75.0%	6	25.0%
Northeast Metro	60	14	23.3%	29	48.3%	43	71.7%	17	28.3%
Pine City	10	1	10.0%	8	80.0%	9	90.0%	1	10.0%
Pipestone	14	4	28.6%	6	42.9%	10	71.4%	4	28.6%
Red Wing	18	3	16.7%	12	66.7%	15	83.3%	3	16.7%
Rochester	25	11	44.0%	8	32.0%	19	76.0%	6	24.0%
Saint Cloud	35	10	28.6%	16	45.7%	26	74.3%	9	25.7%
Saint Paul	43	10	23.3%	17	39.5%	27	62.8%	16	37.2%
Staples	19	2	10.5%	11	57.9%	13	68.4%	6	31.6%
Thief River Falls	16	6	37.5%	7	43.8%	13	81.3%	3	18.8%
Wadena	17	4	23.5%	11	64.7%	15	88.2%	2	11.8%
Willmar	27	8	29.6%	14	51.9%	22	81.5%	5	18.5%
Winona	17	6	35.3%	9	52.9%	15	88.2%	2	11.8%
TOTAL	814	207	25.4%	390	47.9%	597	73.3%	217	26.7%

Table 3. Single-Sex Enrollments, 1986-87

TI	Total Students			Number of Students			Percent of Students		
	Female	Male	Total	Female In All- F Progs	Male In All- M Progs	Total In One-Sex Programs	Female In All- F Progs	Male In All- M Progs	Total In One-Sex Programs
Albert Lea	360	449	809	0	47	47	0.0%	10.5%	5.8%
Alexandria	806	1,002	1,808	122	243	365	15.1%	24.3%	20.2%
Anoka	1,054	1,228	2,282	178	81	259	16.9%	6.6%	11.3%
Austin	337	505	842	0	84	84	0.0%	16.6%	10.0%
Bemidji	306	290	596	54	16	70	17.6%	5.5%	11.7%
			0						
Brainerd	561	534	1,095	90	0	90	16.0%	0.0%	8.2%
Canby	97	248	345	31	177	208	32.0%	71.4%	60.3%
Dakota County	1,055	1,228	2,283	0	228	228	0.0%	18.6%	10.0%
Detroit Lakes	408	562	970	23	86	109	5.6%	15.3%	11.2%
Duluth	1,033	1,048	2,081	8	108	116	0.8%	10.3%	5.6%
			0						
East Grand Forks	412	550	962	39	82	121	9.5%	14.9%	12.6%
Eveleth	171	265	436	22	105	127	12.9%	39.6%	29.1%
Faribault	287	304	591	0	105	105	0.0%	34.5%	17.8%
Granite Falls	167	314	481	77	39	116	46.1%	12.4%	24.1%
Hennepin	1,426	2,877	4,303	1	580	581	0.1%	20.2%	13.5%
			0						
Hibbing	235	679	914	58	61	119	24.7%	9.0%	13.0%
Hutchinson	386	578	964	179	46	225	46.4%	8.0%	23.3%
Jackson	208	429	637	85	115	200	40.9%	26.8%	31.4%
Mankato	830	1,057	1,887	53	190	243	6.4%	18.0%	12.9%
Minneapolis	1,403	1,988	3,391	40	62	102	2.9%	3.1%	3.0%
			0						
Moorhead	526	630	1,156	82	150	232	15.6%	23.8%	20.1%
Northeast Metro	1,398	1,649	3,047	208	99	307	14.9%	6.0%	10.1%
Pine City	148	207	355	0	99	99	0.0%	47.8%	27.9%
Pipestone	149	327	476	1	20	21	0.7%	6.1%	4.4%
Red Wing	160	362	522	1	68	69	0.6%	18.8%	13.2%
			0						
Rochester	550	597	1,147	79	241	320	14.4%	40.4%	27.9%
Saint Cloud	897	1,089	1,986	106	231	337	11.8%	21.2%	17.0%
Saint Paul	1,288	1,825	3,113	73	160	233	5.7%	8.8%	7.5%
Staples	124	609	733	2	84	86	1.6%	13.8%	11.7%
Thief River Falls	271	427	698	85	38	123	31.4%	8.9%	17.6%
			0						
Wadena	349	436	785	42	15	57	12.0%	3.4%	7.3%
Willmar	687	849	1,536	93	350	443	13.5%	41.2%	28.8%
Winona	251	347	598	51	143	194	20.3%	41.2%	32.4%
TOTAL	18,340	25,489	43,829	1,883	4,153	6,036	10.3%	16.3%	13.8%

Table 4. Single-Sex Programs, 1986-87

TI	Total Programs	All- Female	All- Male	Total One-Sex Programs	Percent One-Sex Programs
Albert Lea	14	0	2	2	14.3%
Alexandria	35	5	6	11	31.4%
Anoka	35	5	3	8	22.9%
Austin	19	0	3	3	15.8%
Bemidji	12	2	1	3	25.0%
				0	
Brainerd	23	4	0	4	17.4%
Canby	10	2	4	6	60.0%
Dakota County	36	0	9	9	25.0%
Detroit Lakes	23	1	5	6	26.1%
Duluth	30	1	2	3	10.0%
				0	
East Grand Forks	18	3	3	6	33.3%
Eveleth	13	1	4	5	38.5%
Faribault	15	0	4	4	26.7%
Granite Falls	14	4	2	6	42.9%
Hennepin	78	1	16	17	21.8%
				0	
Hibbing	13	2	2	4	30.8%
Hutchinson	20	4	3	7	35.0%
Jackson	15	1	3	4	26.7%
Mankato	26	3	5	8	30.8%
Minneapolis	40	1	3	4	10.0%
				0	
Moorhead	24	2	5	7	29.2%
Northeast Metro	60	5	8	13	21.7%
Pine City	10	0	6	6	60.0%
Pipestone	14	1	1	2	14.3%
Red Wing	18	1	4	5	27.8%
				0	
Rochester	25	3	5	8	32.0%
Saint Cloud	35	2	7	9	25.7%
Saint Paul	43	2	5	7	16.3%
Staples	19	1	3	4	21.1%
Thief River Falls	16	4	2	6	37.5%
				0	
Wadena	17	1	2	3	17.6%
Willmar	27	3	6	9	33.3%
Winona	17	2	6	8	47.1%
				0	
TOTAL	814	67	140	207	25.4%

Table 5. Enrollments by Program Type, 1986-87

TI	Total Students		Segregated				Integrated	
	Number	Percent	Traditional Number	Percent	Non-traditional Number	Percent	Number	Percent
Albert Lea	809	100.0%	447	55.3%	20	2.5%	342	42.3%
Alexandria	1,808	100.0%	1,229	68.0%	42	2.3%	537	29.7%
Anoka	2,282	100.0%	1,833	80.3%	98	4.3%	351	15.4%
Austin	842	100.0%	651	77.3%	39	4.6%	152	18.1%
Bemidji	596	100.0%	423	71.0%	13	2.2%	160	26.8%
Brainerd	1,095	100.0%	677	61.8%	34	3.1%	384	35.1%
Canby	345	100.0%	334	96.8%	11	3.2%	*	*
Dakota County	2,283	100.0%	1,614	70.7%	91	4.0%	578	25.3%
Detroit Lakes	970	100.0%	694	71.5%	34	3.5%	242	24.9%
Duluth	2,081	100.0%	1,444	69.4%	107	5.1%	530	25.5%
East Grand Forks	962	100.0%	736	76.5%	47	4.9%	179	18.6%
Eveleth	436	100.0%	294	67.4%	9	2.1%	133	30.5%
Faribault	591	100.0%	412	69.7%	33	5.6%	146	24.7%
Granite Falls	481	100.0%	352	73.2%	15	3.1%	114	23.7%
Hennepin	4,303	100.0%	2,849	66.2%	158	3.7%	1,296	30.1%
Hibbing	914	100.0%	594	65.0%	62	6.8%	258	28.2%
DHutchinson	964	100.0%	610	63.3%	30	3.1%	324	33.6%
Jackson	637	100.0%	503	79.0%	25	3.9%	109	17.1%
Mankato	1,887	100.0%	1,012	53.6%	47	2.5%	828	43.9%
Minneapolis	3,391	100.0%	1,966	58.0%	183	5.4%	1,242	36.6%
Moorhead	1,156	100.0%	769	66.5%	28	2.4%	359	31.1%
Northeast Metro	3,047	100.0%	1,971	64.7%	140	4.6%	936	30.7%
Pine City	355	100.0%	285	80.3%	4	1.1%	66	18.6%
Pipestone	476	100.0%	342	71.8%	15	3.2%	119	25.0%
Red Wing	522	100.0%	404	77.4%	20	3.8%	98	18.8%
Rochester	1,147	100.0%	831	72.4%	43	3.7%	273	23.8%
Saint Cloud	1,986	100.0%	1,236	62.2%	62	3.1%	688	34.6%
Saint Paul	3,113	100.0%	2,020	64.9%	153	4.9%	940	30.2%
Staples	733	100.0%	510	69.6%	26	3.5%	197	26.9%
Thief River Falls	698	100.0%	570	81.7%	24	3.4%	104	14.9%
Wadena	785	100.0%	599	76.3%	31	3.9%	155	19.7%
Willmar	1,536	100.0%	1,184	77.1%	52	3.4%	300	19.5%
Winona	598	100.0%	523	87.5%	24	4.0%	51	8.5%
Total	43,829	100.0%	29,918	68.3%	1,720	3.9%	12,191	27.8%

Table 6. Enrollments by Program Type, 1986-87 - FEMALE

TI	Total Females		Segregated				Integrated	
	Number	Percent	Traditional Number	Percent	Non-traditional Number	Percent	Number	Percent
Albert Lea	360	100.0%	127	35.3%	15	4.2%	218	60.6%
Alexandria	806	100.0%	511	63.4%	26	3.2%	269	33.4%
Anoka	1,054	100.0%	828	78.6%	61	5.8%	165	15.7%
Austin	337	100.0%	269	79.8%	22	6.5%	46	13.6%
Bemidji	306	100.0%	195	63.7%	5	1.6%	106	34.6%
Brainerd	561	100.0%	373	66.5%	12	2.1%	176	31.4%
Canby	97	100.0%	93	95.9%	4	4.1%	*	*
Dakota County	1,055	100.0%	730	69.2%	42	4.0%	283	26.8%
Detroit Lakes	408	100.0%	264	64.7%	23	5.6%	121	29.7%
Duluth	1,033	100.0%	703	68.1%	47	4.5%	283	27.4%
East Grand Forks	412	100.0%	287	69.7%	25	6.1%	100	24.3%
Eveleth	171	100.0%	84	49.1%	7	4.1%	80	46.8%
Faribault	287	100.0%	195	67.9%	11	3.8%	81	28.2%
Granite Falls	167	100.0%	93	55.7%	13	7.8%	61	36.5%
Hennepin	1,426	100.0%	767	53.8%	120	8.4%	539	37.8%
Hibbing	235	100.0%	58	24.7%	62	26.4%	115	48.9%
HMitchinson	386	100.0%	248	64.2%	29	7.5%	109	28.2%
Jackson	208	100.0%	118	56.7%	22	10.6%	68	32.7%
Mankato	830	100.0%	358	43.1%	37	4.5%	435	52.4%
Minneapolis	1,403	100.0%	682	48.6%	99	7.1%	622	44.3%
Moorhead	526	100.0%	330	62.7%	18	3.4%	178	33.8%
Northeast Metro	1,398	100.0%	848	60.7%	105	7.5%	445	31.8%
Pine City	148	100.0%	96	64.9%	3	2.0%	49	33.1%
Pipestone	149	100.0%	84	56.4%	7	4.7%	58	38.9%
Red Wing	160	100.0%	105	65.6%	16	10.0%	39	24.4%
Rochester	550	100.0%	363	66.0%	18	3.3%	169	30.7%
Saint Cloud	897	100.0%	522	58.2%	25	2.8%	350	39.0%
Saint Paul	1,288	100.0%	736	57.1%	96	7.5%	456	35.4%
Staples	124	100.0%	23	18.5%	25	20.2%	76	61.3%
Thief River Falls	271	100.0%	194	71.6%	19	7.0%	58	21.4%
Wadena	349	100.0%	219	62.8%	24	6.9%	106	30.4%
Willmar	687	100.0%	466	67.8%	38	5.5%	183	26.6%
Winona	251	100.0%	211	84.1%	9	3.6%	31	12.4%
Total	18,340	100.0%	11,180	61.0%	1,085	5.9%	6,075	33.1%

Table 7. Enrollments by Program Type, 1986-87 - MALE

TI	Total Males		Segregated				Integrated	
	Number	Percent	Traditional	Percent	Nontraditional	Percent	Number	Percent
Albert Lea	449	100.0%	320	71.3%	5	1.1%	124	27.6%
Alexandria	1,002	100.0%	718	71.7%	16	1.6%	268	26.7%
Anoka	1,228	100.0%	1,005	81.8%	37	3.0%	186	15.1%
Austin	505	100.0%	382	75.6%	17	3.4%	106	21.0%
Bemidji	290	100.0%	228	78.6%	8	2.8%	54	18.6%
Brainerd	534	100.0%	304	56.9%	22	4.1%	208	39.0%
Canby	248	100.0%	241	97.2%	7	2.8%	*	*
Dakota County	1,228	100.0%	884	72.0%	49	4.0%	295	24.0%
Detroit Lakes	562	100.0%	430	76.5%	11	2.0%	121	21.5%
Duluth	1,048	100.0%	741	70.7%	60	5.7%	247	23.6%
East Grand Forks	550	100.0%	449	81.6%	22	4.0%	79	14.4%
Eveleth	265	100.0%	210	79.2%	2	0.8%	53	20.0%
Faribault	304	100.0%	217	71.4%	22	7.2%	65	21.4%
Granite Falls	314	100.0%	259	82.5%	2	0.6%	53	16.9%
Hennepin	2,877	100.0%	2,082	72.4%	38	1.3%	757	26.3%
Hibbing	679	100.0%	536	78.9%	0	0.0%	143	21.1%
Hutchinson	578	100.0%	362	62.6%	1	0.2%	215	37.2%
Jackson	429	100.0%	385	89.7%	3	0.7%	41	9.6%
Mankato	1,057	100.0%	654	61.9%	10	0.9%	393	37.2%
Minneapolis	1,988	100.0%	1,284	64.6%	84	4.2%	620	31.2%
Moorhead	630	100.0%	439	69.7%	10	1.6%	181	28.7%
Northeast Metro	1,649	100.0%	1,123	68.1%	35	2.1%	491	29.8%
Pine City	207	100.0%	189	91.3%	1	0.5%	17	8.2%
Pipestone	327	100.0%	258	78.9%	8	2.4%	61	18.7%
Red Wing	362	100.0%	299	82.6%	4	1.1%	59	16.3%
Rochester	597	100.0%	468	78.4%	25	4.2%	104	17.4%
Saint Cloud	1,089	100.0%	714	65.6%	37	3.4%	338	31.0%
Saint Paul	1,825	100.0%	1,284	70.4%	57	3.1%	484	26.5%
Staples	609	100.0%	487	80.0%	1	0.2%	121	19.9%
Thief River Falls	427	100.0%	376	88.1%	5	1.2%	46	10.8%
Wadena	436	100.0%	380	87.2%	7	1.6%	49	11.2%
Willmar	849	100.0%	718	84.6%	14	1.6%	117	13.8%
Winona	347	100.0%	312	89.9%	15	4.3%	20	5.8%
Total	25,489	100.0%	18,738	73.5%	635	2.5%	6,116	24.0%

Table 8. Enrollments by Curriculum Area, 1986-87

	Agriculture			Distribution			Health			Home Economics			Business & Office		
	#F	#M	%F	#F	#M	%F	#F	#M	%F	#F	#M	%F	#F	#M	%F
Albert Lea	0	11	0.0%	91	29	75.8%	*	*	*	14	19	42.4%	211	35	85.8%
Alexandria	0	46	0.0%	251	148	62.9%	79	4	95.2%	42	1	97.7%	375	113	76.8%
Anoka	13	59	18.1%	75	47	61.5%	489	35	93.3%	53	26	67.1%	295	3	99.0%
Austin	2	37	5.1%	12	20	37.5%	41	3	93.2%	77	6	92.8%	151	8	95.0%
Bemidji	*	*	*	40	27	59.7%	49	6	89.1%	5	8	38.5%	207	21	90.8%
Brainerd	26	82	24.1%	104	48	68.4%	125	10	92.6%	11	12	47.8%	256	28	90.1%
Canby	3	98	3.0%	*	*	*	35	1	97.2%	*	*	*	58	6	90.6%
Dakota County	20	35	36.4%	458	143	76.2%	83	5	94.3%	21	73	22.3%	372	91	80.3%
Detroit Lakes	5	24	17.2%	78	52	60.0%	67	3	95.7%	42	33	56.0%	174	8	95.6%
Duluth	27	107	20.1%	89	62	58.9%	323	57	85.0%	51	64	44.3%	492	87	85.0%
East Grand Forks	0	61	0.0%	*	*	*	154	39	79.8%	*	*	*	216	29	88.2%
Eveleth	*	*	*	*	*	*	27	7	79.4%	*	*	*	119	20	85.6%
Faribault	*	*	*	33	21	61.1%	112	20	84.8%	4	20	16.7%	122	14	89.7%
Granite Falls	*	*	*	7	16	30.4%	23	0	100.0%	*	*	*	115	19	85.8%
Hennepin	61	57	51.7%	104	84	55.3%	238	20	92.2%	100	96	51.0%	510	144	78.0%
Hibbing	*	*	*	21	32	39.6%	49	10	83.1%	45	25	64.3%	*	*	8
Hutchinson	3	40	7.0%	61	50	55.0%	*	*	*	69	1	98.6%	179	0	100.0%
Jackson	*	*	*	17	11	60.7%	*	*	*	*	*	*	164	15	91.6%
Mankato	2	79	2.5%	97	65	59.9%	167	13	92.8%	54	81	40.0%	419	165	71.7%
Minneapolis	*	*	*	26	56	31.7%	236	63	78.9%	319	223	58.9%	521	199	72.4%
Orhead	0	16	0.0%	90	84	51.7%	41	0	100.0%	17	27	38.6%	338	60	84.9%
Northeast Metro	25	12	67.6%	103	6	94.5%	360	241	59.9%	359	160	69.2%	424	166	71.9%
Pine City	0	4	0.0%	0	24	0.0%	*	*	*	*	*	*	145	18	89.0%
Pipestone	1	27	3.6%	32	38	45.7%	*	*	*	35	151	18.8%	79	29	73.1%
Red Wing	0	6	0.0%	1	20	4.8%	50	3	94.3%	2	7	22.2%	84	29	74.3%
Rochester	*	*	*	*	*	*	270	55	83.1%	31	40	43.7%	225	27	89.3%
Saint Cloud	0	7	0.0%	175	170	50.7%	186	14	93.0%	74	21	77.9%	376	83	81.9%
St. Paul	*	*	*	17	28	37.8%	282	53	84.2%	218	100	68.6%	520	121	81.1%
Staples	7	49	12.5%	*	*	*	*	*	*	13	14	48.1%	23	1	95.8%
Thief River Falls	0	3	0.0%	14	16	46.7%	25	3	89.3%	84	2	97.7%	121	12	91.0%
Wadena	*	*	*	21	9	70.0%	*	*	*	87	3	96.7%	217	44	83.1%
Willmar	11	156	6.6%	60	35	63.2%	146	7	95.4%	175	24	87.9%	241	33	88.0%
Winona	0	5	0.0%	16	15	51.6%	42	8	84.0%	70	5	93.3%	114	7	94.2%
TOTAL	206	1,021	16.8%	2,093	1,356	60.7%	3,699	680	84.5%	2,072	1,242	62.5%	7,863	1,635	82.8%

(Table 8. continued)

Technical			Trade & Industrial			Total			
#F	#M	%F	#F	#M	%F	#F	#M	%F	
29	46	38.7%	15	309	4.6%	360	449	44.5%	809
6	146	3.9%	53	544	8.9%	806	1,002	44.6%	1,808
106	340	23.8%	23	718	3.1%	1,054	1,228	46.2%	2,282
35	142	19.8%	19	289	6.2%	337	505	40.0%	842
*	*	*	5	228	2.1%	306	290	51.3%	596
*	*	*	39	354	9.9%	561	534	51.2%	1,095
*	*	*	1	143	0.7%	97	248	28.1%	345
28	195	12.6%	73	686	9.6%	1,055	1,228	46.2%	2,283
8	47	14.5%	34	395	7.9%	408	562	42.1%	970
36	346	9.4%	15	325	4.4%	1,033	1,048	49.6%	2,081
*	*	*	42	421	9.1%	412	550	42.8%	962
10	91	9.9%	15	147	9.3%	171	265	39.2%	436
14	81	14.7%	2	148	1.3%	287	304	48.6%	591
20	198	9.2%	2	81	2.4%	167	314	34.7%	481
102	815	11.1%	311	1661	15.8%	1,426	2,877	33.1%	4,303
58	84	40.8%	62	528	10.5%	235	679	25.7%	914
66	352	15.8%	8	135	5.6%	386	578	40.0%	964
17	103	14.2%	10	300	3.2%	208	429	32.7%	637
37	297	11.1%	54	357	13.1%	830	1,057	44.0%	1,887
49	302	14.0%	252	1145	18.0%	1,403	1,988	41.4%	3,391
9	120	7.0%	31	323	8.8%	526	630	45.5%	1,156
61	305	16.7%	66	759	8.0%	1,398	1,649	45.9%	3,047
*	*	*	3	161	1.8%	148	207	41.7%	355
*	*	*	2	82	2.4%	149	327	31.3%	476
6	57	9.5%	17	240	6.6%	160	362	30.7%	522
21	148	12.4%	3	327	0.9%	550	597	48.0%	1,147
39	352	10.0%	47	442	9.6%	897	1,089	45.2%	1,986
118	555	17.5%	133	968	12.1%	1,288	1,825	41.4%	3,113
11	53	17.2%	70	492	12.5%	124	609	16.9%	733
19	106	15.2%	8	285	2.7%	271	427	38.8%	698
12	151	7.4%	12	229	5.0%	349	436	44.5%	785
15	166	8.3%	39	428	8.4%	687	849	44.7%	1,536
8	81	9.0%	1	226	0.4%	251	347	42.0%	598
940	5,679	14.2%	1,467	13,876	9.6%	18,340	25,489	41.8%	43,829

Table 9. Curriculum Area by Program Type: # of Programs

CURRICULUM AREA	Number of Programs				Percent Distribution of Programs			
	Female	Male	Integrated	Total	Female	Male	Integrated	Total
Agriculture	1	32	11	44	2.3%	72.7%	25.0%	100.0%
Distribution	14	10	44	68	20.6%	14.7%	64.7%	100.0%
Health	60	4	20	84	71.4%	4.8%	23.8%	100.0%
Home Economics	22	5	32	59	37.3%	8.5%	54.2%	100.0%
Business & Office	109	2	45	156	69.9%	1.3%	28.8%	100.0%
Technical	1	96	29	126	0.8%	76.2%	23.0%	100.0%
Trade & Industrial	0	241	36	277	0.0%	87.0%	13.0%	100.0%
TOTAL	207	390	217	814	25.4%	47.9%	26.7%	100.0%

Table 10. Curriculum Area by Program Type: # of Students

CURRICULUM AREA	Number of Students in programs which are:				Percent of Students in programs which are:			
	Female	Male	Integrated	Total	Female	Male	Integrated	Total
Agriculture	60	872	295	1,227	4.9%	71.1%	24.0%	100.0%
Distribution	912	199	2,338	3,449	26.4%	5.8%	67.8%	100.0%
Health	3,437	181	761	4,379	78.5%	4.1%	17.4%	100.0%
Home Economics	1,484	290	1,540	3,314	44.8%	8.8%	46.5%	100.0%
Business & Office	5,921	3	3,574	9,498	62.3%	0.0%	37.6%	100.0%
Technical	1	5,297	1,321	6,619	0.0%	80.0%	20.0%	100.0%
Trade & Industrial	0	12,981	2,362	15,343	0.0%	84.6%	15.4%	100.0%
TOTAL	11,815	19,823	12,191	43,829	27.0%	45.2%	27.8%	100.0%

CURRICULUM AREA	Number of Female Students in programs which are:				Percent of Female Students in programs which are:			
	Female	Male	Integrated	Total	Female	Male	Integrated	Total
Agriculture	54	108	44	206	26.2%	52.4%	21.4%	100.0%
Distribution	862	1,215	16	2,093	41.2%	58.1%	0.8%	100.0%
Health	3,241	510	31	3,782	85.7%	13.5%	0.8%	100.0%
Home Economics	1,322	649	18	1,989	66.5%	32.6%	0.9%	100.0%
Business & Office	5,700	2,163	0	7,863	72.5%	27.5%	0.0%	100.0%
Technical	1	427	512	940	0.1%	45.4%	54.5%	100.0%
Trade & Industrial	0	1,003	464	1,467	0.0%	68.4%	31.6%	100.0%
TOTAL	11,180	6,075	1,085	18,340	61.0%	33.1%	5.9%	100.0%

CURRICULUM AREA	Number of Male Students in programs which are:				Percent of Male Students in programs which are:			
	Female	Male	Integrated	Total	Female	Male	Integrated	Total
Agriculture	6	187	828	1,021	0.6%	18.3%	81.1%	100.0%
Distribution	50	1,123	183	1,356	3.7%	82.8%	13.5%	100.0%
Health	284	251	150	685	41.5%	36.6%	21.9%	100.0%
Home Economics	74	891	272	1,237	6.0%	72.0%	22.0%	100.0%
Business & Office	221	1,411	3	1,635	13.5%	86.3%	0.2%	100.0%
Technical	0	894	4,785	5,679	0.0%	15.7%	84.3%	100.0%
Trade & Industrial	0	1,359	12,517	13,876	0.0%	9.8%	90.2%	100.0%
TOTAL	635	6,116	18,738	25,489	2.5%	24.0%	73.5%	100.0%

Table 11. Enrollments by Program by Curriculum Area, 1986-87

# of TIs Offering								
Course	OE Code	Course Title	Females	Males	Total	% Female	% Male	Course Type
11	010100	Production Agriculture	5	248	253	2.0%	98.0%	Male
1	010106	Farm Equip Mechanics	3	8	11	27.3%	72.7%	Integrated
1	010108		0	11	11	0.0%	100.0%	Male
7	010200	Ag Supplies Sales-Service	16	129	145	11.0%	89.0%	Male
1	010220	Horse Care-Stable Operations	54	6	60	90.0%	10.0%	Female
8	010300	Farm Equip Mechanics	0	238	238	0.0%	100.0%	Male
1	010302	Rural Building Construction	0	3	3	0.0%	100.0%	Male
3	010500	Horticulture	48	34	82	58.5%	41.5%	Integrated
5	010504	Landscape	49	165	214	22.9%	77.1%	Integrated
3	010600	Nat'l Resources Mgmt	17	68	85	20.0%	80.0%	Integrated
3	010706	Forest Harvesting	14	111	125	11.2%	88.8%	Male
44		AGRICULTURE	206	1,021	1,227	16.8%	83.2%	

# of TIs Offering								
Course	OE Code	Course Title	Females	Males	Total	% Female	% Male	Course Type
2	040100	Advertising Layout	56	21	77	72.7%	27.3%	Integrated
1	040103	Visual Merchandising	41	12	53	77.4%	22.6%	Integrated
8	040200	Fashion-Merchandising	342	34	376	91.0%	9.0%	Female
3	040400	Finance-Credit Mgmt	75	49	124	60.5%	39.5%	Integrated
2	040500	Retail Floral	91	3	94	96.8%	3.2%	Female
3	040600	Supermarket Mgmt	9	61	70	12.9%	87.1%	Male
8	040800	Sales Assoc-Retail Merch	137	173	310	44.2%	55.8%	Integrated
1	040900	Hardware-Home Center	2	11	13	15.4%	84.6%	Male
1	040910	Lumberyard Mgmt	1	10	11	9.1%	90.9%	Male
1	041000	Home Furnishing Sale	55	5	60	91.7%	8.3%	Female
2	041050	Interior Design	180	10	190	94.7%	5.3%	Female
1	041100	Hotel-Motel-Rest Mgmt	64	61	125	51.2%	48.8%	Integrated
4	041200	Prof Sales/Advertising	47	88	135	34.8%	65.2%	Integrated
1	041400	International Trade	22	11	33	66.7%	33.3%	Integrated
1	041700	Real Estate Sales	7	14	21	33.3%	66.7%	Integrated
2	041801	Sporting Goods	6	49	55	10.9%	89.1%	Male
3	041802	Travel Planner	275	20	295	93.2%	6.8%	Female
1	041805	Arena/Auditorium Mgmt	1	20	21	4.8%	95.2%	Male
1	041900	Transportation-Distribution	17	28	45	37.8%	62.2%	Integrated
1	041910	Distribution Center	4	33	37	10.8%	89.2%	Male
15	042200	Marketing-Sales Mgmt	599	574	1,173	51.1%	48.9%	Integrated
1	042201		7	7	14	50.0%	50.0%	Integrated
1	043200	Small Business Mgmt	32	16	48	66.7%	33.3%	Integrated
1	043202	Prep for Small Bus Ownership	10	5	15	66.7%	33.3%	Integrated
2	044000	Materials Mgmt	6	31	37	16.2%	83.8%	Male
1	045000		7	10	17	41.2%	58.8%	Integrated
68		DISTRIBUTION	2,093	1,356	3,449	60.7%	39.3%	

(Table 11, continued)

# of TIs Offering								
Course	OE Code	Course Title	Females	Males	Total	% Female	% Male	Course Type
1	070004		23	6	29	79.3%	20.7%	Integrated
1	070090		27	1	28	96.4%	3.6%	Female
10	070101	Dental Assisting	434	6	440	98.6%	1.4%	Female
2	070103	Dental Lab Technician	55	35	90	61.1%	38.9%	Integrated
6	070203	Medical Lab Technician	179	52	231	77.5%	22.5%	Integrated
22	070302	Practical Nursing	1,614	166	1,780	90.7%	9.3%	Female
7	070303	Nurse Assistant	361	68	429	84.1%	15.9%	Female
4	070305	Surgical Technician	105	24	129	81.4%	18.6%	Female
1	070307	Home Health Aide	18	3	21	85.7%	14.3%	Female
2	070401	Occupational Therapy	148	8	156	94.9%	5.1%	Female
1	070403	Prosthetics Technician	14	75	89	15.7%	84.3%	Male
1	070404	Orthotics Technician	10	43	53	18.9%	81.1%	Male
1	070430	Prosthetic Practitioner	3	15	18	16.7%	83.3%	Male
1	070440	Orthotics Practitioner	4	17	21	19.0%	81.0%	Male
2	070603	Optometric Assistant	45	1	46	97.8%	2.2%	Female
5	070801	Health Occupations	160	6	166	96.4%	3.6%	Female
1	070901	E.E.G. Technologist	29	5	34	85.3%	14.7%	Female
1	070902	Cardiac Technician	27	16	43	62.8%	37.2%	Integrated
3	070903	Respiratory Therapy	60	37	97	61.9%	38.1%	Integrated
3	070906	Human Services Technician	86	17	103	83.5%	16.5%	Female
2	070912	Human Services Assistant	82	19	101	97.8%	2.2%	Female
1	070925	Paramedics	20	43	63	31.7%	68.3%	Integrated
4	070943	Medical Office Assistant	154	5	159	96.9%	3.1%	Female
1	071300	Pharmacy Technician	36	10	46	78.3%	21.7%	Integrated
1	076004		5	2	7	71.4%	28.6%	Integrated
84		HEALTH	3,699	680	4,379	84.5%	15.5%	

(Table 11, continued)

# of TIs Offering								
Course	OE Code	Course Title	Females	Males	Total	% Female	% Male	Course Type
6	090201	Child Development	194	6	200	97.0%	3.0%	Female
3	090208	Chef Training I	40	57	97	41.2%	58.8%	Integrated
4	090209	Apparel Arts	220	42	262	84.0%	16.0%	Female
1	090210	Educational Assistant	69	1	70	98.6%	1.4%	Female
1	090215	Ed Develop-Perm Employment	2	7	9	22.2%	77.8%	Integrated
1	090220	Deaf Interpreter	33	9	42	78.6%	21.4%	Integrated
2	091100	Custodial Service Worker	9	54	63	14.3%	85.7%	Male
1	091102		5	8	13	38.5%	61.5%	Integrated
1	092601	Barbering	32	21	53	60.4%	39.6%	Integrated
8	092602	Cosmetology	853	41	894	95.4%	4.6%	Female
3	092901	Baking	70	53	123	56.9%	43.1%	Integrated
14	092902	Food Service Mgmt	344	615	959	35.9%	64.1%	Integrated
2	092903	Meat Cutting	5	192	197	2.5%	97.5%	Male
1	092905	Food Service Mgmt	6	14	20	30.0%	70.0%	Integrated
2	092906	Spec Foods Delicatessen	32	30	62	51.6%	48.4%	Integrated
3	092907	Special Needs-Food Svces	23	15	38	60.5%	39.5%	Integrated
1	092908	Dietetic Assistant	42	1	43	97.7%	2.3%	Female
1	092909	Dietary Technician	32	0	32	100.0%	0.0%	Female
1	093302	Tailoring	14	1	15	93.3%	6.7%	Female
1	093402	Shoe Repair	4	26	30	13.3%	86.7%	Male
2	093500	Upholstery	43	49	92	46.7%	53.3%	Integrated
59		HOME ECONOMICS	2,072	1,242	3,314	62.5%	37.5%	

(Table 11, continued)

# of TIs Offering		Course Title	Females	Males	Total	% Female	% Male	Course Type
Course	OE Code							
1	140004	Office Sup & Mgmt: Manual	23	1	24	95.8%	4.2%	Female
1	140006		17	3	20	85.0%	15.0%	Female
27	140100	Accounting	1,739	607	2,346	74.1%	25.9%	Integrated
3	140102	Bookkeeping/Prac Bus	73	14	87	83.9%	16.1%	Female
5	140120	Banking and Finance	108	30	138	78.3%	21.7%	Integrated
1	140121	Agriculture Banking	9	22	31	29.0%	71.0%	Integrated
8	140200	Data Proc Occupation	279	342	621	44.9%	55.1%	Integrated
4	140201	E.D.P. Operation	136	107	243	56.0%	44.0%	Integrated
5	140203	Computer Programming	188	291	479	39.2%	60.8%	Integrated
5	140292	Data Entry	203	22	225	90.2%	9.8%	Female
2	140307	Medical Records Technician	54	1	55	98.2%	1.8%	Female
1	140312	Purchasing Office Clerk	17	20	37	45.9%	54.1%	Integrated
1	140313	Traffic Office Clerk	24	11	35	68.6%	31.4%	Integrated
1	140704	Court-Convention Reporting	33	3	36	91.7%	8.3%	Female
31	140730	Secretarial Training	2,690	62	2,752	97.7%	2.3%	Female
17	140731	Clerical-Office Asst	889	40	929	95.7%	4.3%	Female
15	140743	Legal Secretary Trng	504	5	509	99.0%	1.0%	Female
6	140752	Medical Secretary	260	6	266	97.7%	2.3%	Female
13	140753	Medical Secretary Training	328	4	332	98.8%	1.2%	Female
3	140800	Practical Office Mgmt	29	36	65	44.6%	55.4%	Integrated
1	140902	Office Sup & Mgmt: Automated	44	3	47	93.6%	6.4%	Female
4	140906	Word Processing	192	4	196	98.0%	2.0%	Female
1	149999		24	1	25	96.0%	4.0%	Female
156		BUSINESS & OFFICE	7,863	1,635	9,498	82.8%	17.2%	

(Table 11, continued)

of TIs Offering								
Course	OE Code	Course Title	Females	Males	Total	% Female	% Male	Course Type
11	160103	Architectural Drafting	109	448	557	19.6%	80.4%	Male
4	160106	Civil-Eng Technology	21	206	227	9.3%	90.7%	Male
18	160108	Electronics	241	1,795	2,036	11.8%	88.2%	Male
2	160110	Air-Water Analysis	16	59	75	21.3%	78.7%	Integrated
2	160111	Industrial Lab Technician	12	23	35	34.3%	65.7%	Integrated
2	160112	Industrial Instrumentation	9	82	91	9.9%	90.1%	Male
1	160113	Solar Energy Technology	1	7	8	12.5%	87.5%	Male
1	160119	Laser Electro-Optics Technology	0	27	27	0.0%	100.0%	Male
2	160130	Electrical/Electronics Drafting	7	43	50	14.0%	86.0%	Male
4	160181	Radio/TV Repair	9	89	98	9.2%	90.8%	Male
1	160182	Elec Musical Instrument	3	24	27	11.1%	88.9%	Male
2	160183	Electronics Technician	2	15	17	11.8%	88.2%	Male
1	160184	Avionics	0	68	68	0.0%	100.0%	Male
4	160185	Bio-Medical Equip Technician	20	135	155	12.9%	87.1%	Male
2	160186	Media Technician	5	35	40	12.5%	87.5%	Male
1	160187	Mobile Communication	1	20	21	4.8%	95.2%	Male
4	160188	Electro-Mechanical Technician	22	195	217	10.1%	89.9%	Male
1	160189	Computer Technician	12	87	99	12.1%	87.9%	Male
1	160190	Television Elec System	0	1	1	0.0%	100.0%	Male
1	160191	Telephone Central Station	4	66	70	5.7%	94.3%	Male
2	160193	Business Machine Maint & Repair	8	67	75	10.7%	89.3%	Male
1	160194	Computer Aided Printed Circuit Tech	3	39	42	7.1%	92.9%	Male
2	160195	Robotics	8	127	135	5.9%	94.1%	Male
2	160501	Chem Lab Technician	43	33	76	56.6%	43.4%	Integrated
2	160510	Lab Tech Mgmt in Food	23	19	42	54.8%	45.2%	Integrated
2	160811	Cable Television Technician	2	57	59	3.4%	96.6%	Male
1	161002	Aviation Technology	19	64	83	22.9%	77.1%	Integrated
2	161203	Quality Control Technician	18	80	98	18.4%	81.6%	Male
20	161301	Mech Drafting Technician	134	669	803	16.7%	83.3%	Male
1	161400	Optical Technology	0	11	11	0.0%	100.0%	Male
1	161401	Metallurgical/Powder	1	18	19	5.3%	94.7%	Male
1	161402	Nondestructive Testing	19	174	193	9.8%	90.2%	Male
1	161500	Energy Conservation	1	26	27	3.7%	96.3%	Male
5	162002	Fluid Power Technician	8	225	233	3.4%	96.6%	Male
2	162400	Optical Technology	63	45	108	58.3%	41.7%	Integrated
1	162700	Surveying Technology	7	52	59	11.9%	88.1%	Male
2	165000	Telecommunications Sysys Technician	14	98	112	12.5%	87.5%	Male
3	165001	Radio/TV Broadcasting	35	83	118	29.7%	70.3%	Integrated
2	165002	AV/TV Production Technician	16	65	81	19.8%	80.2%	Male
1	166000	Industrial Electronics Equip Repair	2	46	48	4.2%	95.8%	Male
2	166001	Automated Pkg Machinery	1	53	54	1.9%	98.1%	Male
1	166002	Automated Equipment Maintenance	0	42	42	0.0%	100.0%	Male
1	166003		0	22	22	0.0%	100.0%	Male
1	167000	Water-Waste Treatment	2	64	66	3.0%	97.0%	Male
1	168001	Media Production/Electronic Component	19	75	94	20.2%	79.8%	Integrated
125		TECHNICAL	940	5,679	6,619	14.2%	85.8%	

(Table 11, continued)

Offering								
Course	OE Code	Course Title	Females	Males	Total	% Female	% Male	Course Type
8	170100	Air Conditioning-Htg	3	385	388	0.8%	99.2%	Male
4	170200	Appliance Repair/Refrigeration	2	135	137	1.5%	98.5%	Male
2	170203	Vending Repair-Mdse	21	71	92	22.8%	77.2%	Integrated
1	170205	Microcomputer/Microprocessor Controls	3	18	21	14.3%	85.7%	Male
19	170301	Auto Body Rebuilding	9	883	892	1.0%	99.0%	Male
28	170302	Automotive Specialist	80	2,346	2,426	3.3%	96.7%	Male
12	170308	Parts Sales Mgmt	54	240	294	18.4%	81.6%	Male
3	170318	Motorcycle Mechanics	3	65	68	4.4%	95.6%	Male
3	170320	Auto Machinist	1	77	78	1.3%	98.7%	Male
1	170325	Automotive Mechanics: Diagnostic Tech	1	24	25	4.0%	96.0%	Male
1	170350		3	22	25	12.0%	88.0%	Male
1	170390	Automotive Appearance	0	14	14	0.0%	100.0%	Male
3	170403	Aviation Mechanics	19	531	550	3.5%	96.5%	Male
1	170600	Office Machines Technician	0	2	2	0.0%	100.0%	Male
8	170700	Commercial Art	302	260	562	53.7%	46.3%	Integrated
1	170705	Technical Art-Illustration	11	11	22	50.0%	50.0%	Integrated
1	170708	Electric Motors	2	23	25	8.0%	92.0%	Male
2	170900	Photography	36	57	93	38.7%	61.3%	Integrated
19	171001	Carpentry	25	921	946	2.6%	97.4%	Male
11	171002	Construction Electrician	32	686	718	4.5%	95.5%	Male
1	171003	Heavy Equip Op/Maintenance	1	119	120	0.8%	99.2%	Male
1	171004	Bricklaying	0	29	29	0.0%	100.0%	Male
3	171005	Painting-Decorating	13	68	81	16.0%	84.0%	Male
1	171006	Pipefitting	0	19	19	0.0%	100.0%	Male
4	171007	Plumbing	6	124	130	4.6%	95.4%	Male
1	171060	Construction/Maintenance: Metal Trades	3	80	83	3.6%	96.4%	Male
4	171083	Heavy Equipment Mech-Diesel	1	182	183	0.5%	99.5%	Male
4	171101	Building Electrical	4	285	289	1.4%	98.6%	Male
16	171200	Diesel Mechanics	28	1,016	1,044	2.7%	97.3%	Male
1	171401	Electrical Maintenance	0	53	53	0.0%	100.0%	Male
3	171402	Lineman Electrician	1	120	121	0.8%	99.2%	Male
11	171900	Offset Printing	465	701	1,166	39.9%	60.1%	Integrated
2	171907	Photographic Technology	42	59	101	41.6%	58.4%	Integrated
2	172000		15	8	23	65.2%	34.8%	Integrated
2	172100	Robotics	0	2	2	0.0%	100.0%	Integrated
1	172102	Watch Repair	13	19	32	40.6%	59.4%	Male
20	172302	Tool-Die Making	38	1,354	1,392	2.7%	97.3%	Male
1	172303	Production Machines	0	6	6	0.0%	100.0%	Male
4	172305	Sheet Metal	1	64	65	1.5%	98.5%	Male
25	172306	Welding	20	895	915	2.2%	97.8%	Male
1	172309	Patternmaking	3	28	31	9.7%	90.3%	Male
2	172700	Fiberglass Lamination	5	58	63	7.9%	92.1%	Male
2	172802	Law Enforcement	58	364	422	13.7%	86.3%	Male
7	173100	Marine-Small Engine Repair	8	318	326	2.5%	97.5%	Male

(Table 11, continued)

1	173110	Marine Engines	1	36	37	2.7%	97.3%	Male
1	173200	Total Energy	0	58	58	0.0%	100.0%	Male
4	173601	Cabinet Making	14	171	185	7.6%	92.4%	Male
1	173602	Wood Finishing	2	30	32	6.3%	93.8%	Male
1	173700	Gunsmithing	1	55	56	1.8%	98.2%	Male
1	173801	Musical String Instruments	2	24	26	7.7%	92.3%	Male
1	173802	Band Instrument Repair	7	26	33	21.2%	78.8%	Integrated
1	175500	Maintenance Mechanic	0	36	36	0.0%	100.0%	Male
1	177050	Mobile Home Maintenance	0	8	8	0.0%	100.0%	Male
1	177600	Industrial Equipment Mechanic	0	13	13	0.0%	100.0%	Male
2	177601	Ind Mechanics-Maintenance	2	80	82	2.4%	97.6%	Male
4	178801	Audio Visual Technology	22	57	79	27.8%	72.2%	Integrated
5	178803	Truck Driving	37	418	455	8.1%	91.9%	Male
1	179700	Sign Lettering-Design	19	23	42	45.2%	54.8%	Integrated
2	179800	Telephone Communication	1	46	47	2.1%	97.9%	Male
1	179900	Micro Computer Technician	9	38	47	19.1%	80.9%	Male
1	179960	Jewelry	18	15	33	54.5%	45.5%	Integrated
277		TRADE & INDUSTRIAL	1,467	13,876	15,343	9.6%	90.4%	
		TOTAL	18,340	25,489	43,829	41.8%	58.2%	

Table 12. Technical Institute System
Instructors & Administrators, 1986-87

TI	Vocational Instructors				Vocational Related Instructors				Total Instructors			
	Female (FTE)	Male (FTE)	Total (FTE)	% Female (FTE)	Female (FTE)	Male (FTE)	Total (FTE)	% Female (FTE)	Female (FTE)	Male (FTE)	Total (FTE)	% Female (FTE)
Albert Lea	5.5	30.6	36.1	15.2%	4.0	4.0	8	50.0%	9.5	34.6	44.1	21.5%
Alexandria	21.7	70.9	92.6	23.4%	4.4	8.0	12.4	35.5%	26.1	78.9	105.0	24.9%
Anoka	35.8	65.0	100.8	35.5%	4.0	12.0	16	25.0%	39.8	77.0	116.8	34.1%
Austin	7.0	25.4	32.4	21.6%	7.0	2.5	9.5	73.7%	14.0	27.9	41.9	33.4%
Bemidji	10.6	20.0	30.6	34.6%	4.0	3.5	7.5	53.3%	14.6	23.5	38.1	38.3%
Brainerd	16.0	25.0	41.0	39.0%	2.0	3.0	5	40.0%	18.0	28.0	46.0	39.1%
Dakota County	23.0	66.4	89.4	25.7%	8.0	8.5	16.5	48.5%	31.0	74.9	105.9	29.3%
Detroit Lakes	7.6	33.0	40.6	18.7%	2.0	4.0	6	33.3%	9.6	37.0	46.6	20.6%
Duluth	21.1	39.2	60.3	35.0%	5.6	7.0	12.6	44.4%	26.7	46.2	72.9	36.6%
East Grand Forks	21.6	15.3	36.9	58.5%	2.6	2.6	5.2	50.0%	24.2	17.9	42.1	57.5%
Eveleth	6.0	14.0	20.0	30.0%		2.0	2	0.0%	6.0	16.0	22.0	27.3%
Faribault	6.0	20.0	26.0	23.1%	1.0	2.0	3	33.3%	7.0	22.0	29.0	24.1%
Hennepin	27.5	111.8	139.3	19.7%	19.1	20.2	39.3	48.6%	46.6	132.0	178.6	26.1%
Hibbing	5.0	28.0	33.0	15.2%	2.6	3.0	5.6	46.4%	7.6	31.0	38.6	19.7%
Hutchinson	6.7	25.9	32.6	20.6%	5.9	4.0	9.9	59.6%	12.6	29.9	42.5	29.6%
Mankato	22.0	59.0	81.0	27.2%	5.0	6.0	11	45.5%	27.0	65.0	92.0	29.3%
Minneapolis	27.0	59.4	86.4	31.3%	3.0	12.0	15	20.0%	30.0	71.4	101.4	29.6%
Moorhead	13.6	42.0	55.6	24.5%	5.6	5.0	10.6	52.8%	19.2	47.0	66.2	29.0%
Northeast Metro	23.1	47.8	70.9	32.6%	12.0	17.4	29.4	40.8%	35.1	65.2	100.3	35.0%
Pine City	5.6	15.9	21.5	26.0%	1.4	2.6	4	35.0%	7.0	18.5	25.5	27.5%
Red Wing	5.0	20.2	25.2	19.8%	1.0	5.0	6	16.7%	6.0	25.2	31.2	19.2%
Rochester	22.2	27.5	49.7	44.7%	5.0	5.6	10.6	47.2%	27.2	33.1	60.3	45.1%
St. Cloud	20.0	62.0	82.0	24.4%	5.0	4.0	9	55.6%	25.0	66.0	91.0	27.5%
St. Paul	25.0	72.5	97.5	25.6%	11.0	30.4	41.4	26.6%	36.0	102.9	138.9	25.9%
Southwestern	13.6	96.6	110.2	12.3%	11.0	12.0	23	47.8%	24.6	108.6	133.2	18.5%
Staples	3.0	40.0	43.0	7.0%	2.0	5.5	7.5	26.7%	5.0	45.5	50.5	9.9%
Thief River Falls	11.0	25.0	36.0	30.6%	1.0	6.0	7	14.3%	12.0	31.0	43.0	27.9%
Wadena	5.0	32.4	37.4	13.4%	2.0	5.0	7	28.6%	7.0	37.4	44.4	15.8%
Willmar	23.0	61.0	84.0	27.4%	9.0	10.4	19.4	46.4%	32.0	71.4	103.4	30.9%
Winona	11.0	21.0	32.0	34.4%	4.0	1.0	5	80.0%	15.0	22.0	37.0	40.5%
TOTAL	451.2	1,272.8	1,724.0	26.2%	150.2	214.2	364.4	41.2%	601.4	1,487.0	2,088.4	28.8%

(Table 12., continued)

TI	Vocational Administrators				Vocational Supervisors				Total Administrators & Supervisors			
	Female (FTE)	Male (FTE)	Total (FTE)	% Female (FTE)	Female (FTE)	Male (FTE)	Total (FTE)	% Female (FTE)	Female (FTE)	Male (FTE)	Total (FTE)	% Female (FTE)
Albert Lea	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Alexandria	0.0	3.0	3.0	0.0%	*	*	*	*	0.0	3.0	3.0	0.0%
Anoka	1.0	3.0	4.0	25.0%	*	*	*	*	1.0	3.0	4.0	25.0%
Austin	1.0	0.0	1.0	100.0%	*	*	*	*	1.0	0.0	1.0	100.0%
Bemidji	0.0	2.5	2.5	0.0%	*	*	*	*	0.0	2.5	2.5	0.0%
Brainerd	0.0	3.0	3.0	0.0%	*	*	*	*	0.0	3.0	3.0	0.0%
Dakota County	0.0	4.5	4.5	0.0%	0.0	1.0	1.0	0.0%	0.0	5.5	5.5	0.0%
Detroit Lakes	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Duluth	0.0	2.8	2.8	0.0%	1.0	*	*	*	1.0	2.8	2.8	35.7%
East Grand Forks	1.0	1.0	2.0	50.0%	*	*	*	*	1.0	1.0	2.0	50.0%
Eveleth	0.0	2.0	2.0	0.0%	0.0	1.0	1.0	0.0%	0.0	3.0	3.0	0.0%
Faribault	1.0	2.0	3.0	33.3%	*	*	*	*	1.0	2.0	3.0	33.3%
Hennepin	1.6	11.3	12.9	12.4%	*	*	*	*	1.6	11.3	12.9	12.4%
Hibbing	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Hutchinson	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Mankato	1.0	4.0	5.0	20.0%	0.0	1.0	1.0	0.0%	1.0	5.0	6.0	16.7%
Minneapolis	1.4	1.0	2.4	58.3%	1.6	1.0	2.6	61.5%	3.0	2.0	5.0	60.0%
Moorhead	0.0	3.0	3.0	0.0%	*	*	*	*	0.0	3.0	3.0	0.0%
Northeast Metro	3.0	5.0	8.0	37.5%	*	*	*	*	3.0	5.0	8.0	37.5%
Pine City	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Red Wing	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Rochester	1.0	1.3	2.3	43.5%	0.0	1.0	1.0	0.0%	1.0	2.3	3.3	30.3%
St. Cloud	1.0	3.0	4.0	25.0%	*	*	*	*	1.0	3.0	4.0	25.0%
St. Paul	2.0	3.0	5.0	40.0%	2.0	1.0	3.0	66.7%	4.0	4.0	8.0	50.0%
Southwestern	0.0	5.0	5.0	0.0%	*	*	*	*	0.0	5.0	5.0	0.0%
Staples	0.0	1.5	1.5	0.0%	0.0	1.0	1.0	0.0%	0.0	2.5	2.5	0.0%
Thief River Falls	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Wadena	0.0	2.0	2.0	0.0%	*	*	*	*	0.0	2.0	2.0	0.0%
Willmar	1.0	2.0	3.0	33.3%	*	*	*	*	1.0	2.0	3.0	33.3%
Winona	0.0	3.0	3.0	0.0%	*	*	*	*	0.0	3.0	3.0	0.0%
TOTAL Admin	16.0	82.9	98.9	16.2%	4.6	7.0	11.6	39.7%	20.6	89.9	110.5	18.6%

**Table 13. Technical Institute System Instructors
by Curriculum Area**

	Total (FTE)	Female		Total (FTE)	Male	
		Mean Salary	Mean Yrs Svc		Mean Salary	Mean Yrs Svc
Agriculture	3.0	\$24,797	6.3	113.5	\$31,397	14.2
Distribution	39.4	\$27,902	9.1	100.2	\$31,702	10.9
Health	166.3	\$28,711	11.9	21.5	\$32,285	9.5
Home Economics	55.2	\$30,060	11.3	64.3	\$32,890	12.7
Office	168.7	\$29,541	12.2	167.6	\$33,505	15.2
Technical	9.0	\$30,309	6.7	238.2	\$32,513	11.4
Trade & Industrial	9.6	\$30,355	6.3	567.5	\$33,073	12.5
Vocational Instructors	451.2	\$29,157	11.4	1272.8	\$32,745	12.6
Vocational Related Instructors	150.2	\$27,669	12.5	214.2	\$36,799	18.9
TOTAL INSTRUCTORS	601.4	\$28,785	11.7	1,487.0	\$33,329	13.5
Administrators	16.0	\$46,729	19.3	82.9	\$48,253	22.9
Supervisors	4.6	\$44,953	17.2	7.0	\$42,555	21.1
TOTAL ADMINISTRATORS & SUPERVISORS	20.6	\$46,332	18.8	89.9	\$47,810	22.8

Table 14. Salaries and Tenure by Curriculum Area, 1986-87

TI	Vocational Instructors				Vocational Related Instructors				Total Instructors			
	Female		Male		Female		Male		Female		Male	
	Mean		Mean		Mean		Mean		Mean		Mean	
	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc
Albert Lea	\$28,397	10.1	\$33,073	11.7	\$29,459	8.5	\$32,058	15.3	\$28,844	9.4	\$32,955	12.1
Alexandria	\$24,138	8.7	\$30,253	13.2	\$24,309	11.0	\$36,882	20.9	\$24,167	9.1	\$30,925	14.0
Anoka	\$30,378	11.8	\$31,589	12.5	\$34,572	19.5	\$36,232	19.8	\$30,799	12.6	\$32,312	13.7
Austin	\$25,127	8.9	\$28,684	12.4	\$29,908	12.7	\$36,762	21.3	\$27,517	10.8	\$29,408	13.2
Bemidji	\$27,834	11.8	\$29,882	13.8	\$28,253	11.2	\$32,599	19.3	\$27,949	11.7	\$30,286	14.6
Brainerd	\$25,808	11.9	\$34,493	13.3	\$30,736	12.5	\$39,811	19.3	\$26,356	11.9	\$35,063	14.0
Dakota County	\$31,306	10.0	\$32,812	8.7	\$32,522	12.3	\$33,584	13.6	\$31,620	10.6	\$32,900	9.2
Detroit Lakes	\$29,068	14.8	\$27,481	11.1	\$26,138	13.5	\$31,359	16.3	\$28,457	14.6	\$27,900	11.6
Duluth	\$27,575	11.3	\$27,348	13.0	\$30,546	14.0	\$34,970	20.6	\$28,198	11.9	\$28,503	14.2
East Grand Forks	\$19,357	6.8	\$29,112	12.0	\$23,119	14.0	\$37,483	18.3	\$19,761	7.6	\$30,328	12.9
Eveleth	\$30,099	11.4	\$30,639	7.7			\$30,149	18.3	\$30,099	11.4	\$30,578	9.0
Faribault	\$33,301	16.4	\$32,216	14.8	\$23,920	3.0	\$39,301	16.0	\$31,961	14.5	\$32,860	14.9
Hennepin	\$35,396	10.3	\$40,597	12.3	\$29,214	8.8	\$34,986	14.2	\$32,862	9.7	\$39,739	12.6
Hibbing	\$28,243	10.6	\$32,182	9.9	\$35,265	19.0	\$32,984	20.0	\$30,645	13.5	\$32,260	10.9
Hutchinson	\$26,902	11.0	\$31,841	12.4	\$18,077	19.4	\$37,015	22.3	\$22,770	14.9	\$32,534	13.7
Mankato	\$28,959	12.7	\$34,067	13.1	\$24,858	10.2	\$37,447	21.7	\$28,200	12.2	\$34,379	13.9
Minneapolis	\$41,813	12.9	\$41,517	13.4	\$38,071	16.7	\$47,833	29.8	\$41,438	13.3	\$42,578	16.2
Moorhead	\$27,314	14.0	\$31,803	14.1	\$32,680	18.0	\$36,473	23.6	\$28,879	15.2	\$32,300	15.1
Northeast Metro	\$31,953	11.7	\$35,859	10.9	\$30,624	9.6	\$39,179	13.1	\$31,499	11.0	\$36,745	11.5
Pine City	\$26,182	6.7	\$30,367	11.8	\$28,602	5.7	\$38,312	16.3	\$26,666	6.5	\$31,483	12.5
Red Wing	\$32,522	7.7	\$29,943	10.5	\$45,060	29.0	\$32,387	6.1	\$34,612	11.3	\$30,428	9.6
Rochester	\$28,816	13.8	\$31,181	11.2	\$28,550	14.6	\$37,383	25.4	\$28,767	14.0	\$32,231	13.6
St. Cloud	\$31,647	14.2	\$33,809	13.8	\$31,604	14.4	\$41,569	28.3	\$31,638	14.2	\$34,279	14.7
St. Paul	\$30,773	11.3	\$32,264	13.5	\$27,279	12.7	\$35,794	20.3	\$29,705	11.7	\$33,307	15.5
Southwestern	\$21,533	9.3	\$27,414	13.8	\$16,322	14.5	\$35,688	20.6	\$19,203	11.6	\$28,329	14.6
Staples	\$22,405	10.7	\$32,574	8.8	\$25,893	5.0	\$38,984	16.7	\$23,800	8.4	\$33,349	9.8
Thief River Falls	\$23,367	12.2	\$32,199	16.8	\$22,749	14.0	\$34,561	16.0	\$23,316	12.3	\$32,656	16.6
Wadena	\$28,371	10.4	\$28,812	9.5	\$17,131	6.5	\$32,815	18.0	\$25,160	9.3	\$29,348	10.6
Willmar	\$25,370	12.9	\$34,468	19.3	\$23,904	11.9	\$40,480	20.4	\$24,958	12.6	\$35,343	19.5
Winona	\$28,968	11.6	\$30,484	11.6	\$26,667	9.3	\$30,001	8.0	\$28,354	11.0	\$30,463	11.4
TOTAL	\$29,157	11.4	\$32,745	12.7	\$27,669	12.5	\$36,799	18.9	\$28,785	11.7	\$33,329	13.6

Table 15. Instructors Salaries and Tenure, 1986-87

TI	Vocational Administrators				Vocational Supervisors				Total Administrators and Supervisors			
	Female		Male		Female		Male		Female		Male	
	Mean		Mean		Mean		Mean		Mean		Mean	
	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc
Albert Lea	*	*	\$48,630	15.0	*	*	*	*	*	*	\$48,630	15.0
Alexandria	*	*	\$42,666	14.0	*	*	*	*	*	*	\$42,666	14.0
Anoka	\$52,550	24.0	\$53,983	18.7	*	*	*	*	\$52,550	24.0	\$53,983	18.7
Austin	\$50,280	17.0	*	*	*	*	*	*	\$50,280	17.0	*	*
Bemidji	*	*	\$42,347	21.0	*	*	*	*	*	*	\$42,347	21.0
Brainerd	*	*	\$46,548	24.3	*	*	*	*	*	*	\$46,548	24.3
Dakota County	*	*	\$48,666	14.2	*	*	\$46,200	16.0	*	*	\$48,218	14.5
Detroit Lakes	*	*	\$49,803	36.0	*	*	*	*	*	*	\$49,803	36.0
Duluth	*	*	\$51,047	30.7	\$34,398	12.0	*	*	\$34,398	12.0	\$51,047	30.7
East Grand Forks	\$42,137	20.0	\$48,500	25.0	*	*	*	*	\$42,137	20.0	\$48,500	25.0
Eveleth	*	*	\$41,044	23.5	*	*	\$38,318	27.0	*	*	\$40,135	24.7
Faribault	\$26,478	8.0	\$49,002	23.5	*	*	*	*	\$26,478	8.0	\$49,002	23.5
Hennepin	\$52,280	22.0	\$53,457	22.3	*	*	*	*	\$52,280	22.0	\$53,457	22.3
Hibbing	*	*	\$46,700	26.5	*	*	*	*	*	*	\$46,700	26.5
Hutchinson	*	*	\$35,354	29.5	*	*	*	*	*	*	\$35,354	29.5
Mankato	\$22,263	10.0	\$43,147	23.0	*	*	\$38,642	18.0	\$22,263	10.0	\$42,246	22.0
Minneapolis	\$50,940	17.0	\$61,000	31.0	\$47,282	15.0	\$48,672	25.0	\$48,989	15.9	\$54,836	28.0
Moorhead	*	*	\$45,020	27.0	*	*	*	*	*	*	\$45,020	27.0
Northeast Metro	\$49,766	19.0	\$53,550	18.2	*	*	*	*	\$49,766	19.0	\$53,550	18.2
Pine City	*	*	\$43,894	16.5	*	*	*	*	*	*	\$43,894	16.5
Red Wing	*	*	\$48,656	23.5	*	*	*	*	*	*	\$48,656	23.5
Rochester	\$46,580	22.0	\$55,947	34.0	*	*	\$46,980	31.0	\$46,580	22.0	\$52,048	32.7
St. Cloud	\$50,398	20.0	\$54,265	22.0	*	*	*	*	\$50,398	20.0	\$54,265	22.0
St. Paul	\$55,357	29.0	\$53,237	22.0	\$48,367	21.5	\$47,767	20.0	\$51,862	25.3	\$51,870	21.5
Southwestern	*	*	\$41,618	25.8	*	*	*	*	*	*	\$41,618	25.8
Staples	*	*	\$44,278	15.0	*	*	\$31,303	11.0	*	*	\$39,088	13.4
Thief River Falls	*	*	\$47,650	30.0	*	*	*	*	*	*	\$47,650	30.0
Wadena	*	*	\$46,174	27.5	*	*	*	*	*	*	\$46,174	27.5
Willmar	\$42,000	13.0	\$50,150	22.5	*	*	*	*	\$42,000	13.0	\$50,150	22.5
Winona	*	*	\$43,332	25.7	*	*	*	*	*	*	\$43,332	25.7
TOTAL	\$46,729	19.3	\$48,253	22.9	\$44,953	17.2	\$42,555	21.1	\$46,332	18.8	\$47,810	22.8

(Table 15. continued)

TI	Vocational Administrators				Vocational Supervisors				Total Administrators and Supervisors			
	Female		Male		Female		Male		Female		Male	
	Mean		Mean		Mean		Mean		Mean		Mean	
	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc	Salary	Yrs Svc
Albert Lea	*	*	\$48,630	15.0	*	*	*	*	*	*	\$48,630	15.0
Alexandria	*	*	\$42,666	14.0	*	*	*	*	*	*	\$42,666	14.0
Anoka	\$52,550	24.0	\$53,983	18.7	*	*	*	*	\$52,550	24.0	\$53,983	18.7
Austin	\$50,280	17.0	*	*	*	*	*	*	\$50,280	17.0	*	*
Bemidji	*	*	\$42,347	21.0	*	*	*	*	*	*	\$42,347	21.0
Brainerd	*	*	\$46,548	24.3	*	*	*	*	*	*	\$46,548	24.3
Dakota County	*	*	\$48,666	14.2	*	*	\$46,200	16.0	*	*	\$48,218	14.5
Detroit Lakes	*	*	\$49,803	36.0	*	*	*	*	*	*	\$49,803	36.0
Duluth	*	*	\$51,047	30.7	\$34,398	12.0	*	*	\$34,398	12.0	\$51,047	30.7
East Grand Forks	\$42,137	20.0	\$48,500	25.0	*	*	*	*	\$42,137	20.0	\$48,500	25.0
Eveleth	*	*	\$41,044	23.5	*	*	\$38,318	27.0	*	*	\$40,135	24.7
Faribault	\$26,478	8.0	\$49,002	23.5	*	*	*	*	\$26,478	8.0	\$49,002	23.5
Hennepin	\$52,280	22.0	\$53,457	22.3	*	*	*	*	\$52,280	22.0	\$53,457	22.3
Hibbing	*	*	\$46,700	26.5	*	*	*	*	*	*	\$46,700	26.5
Hutchinson	*	*	\$35,354	29.5	*	*	*	*	*	*	\$35,354	29.5
Mankato	\$22,263	10.0	\$43,147	23.0	*	*	\$38,642	18.0	\$22,263	10.0	\$42,246	22.0
Minneapolis	\$50,940	17.0	\$61,000	31.0	\$47,282	15.0	\$48,672	25.0	\$48,989	15.9	\$54,836	28.0
Moorhead	*	*	\$45,020	27.0	*	*	*	*	*	*	\$45,020	27.0
Northeast Metro	\$49,766	19.0	\$53,550	18.2	*	*	*	*	\$49,766	19.0	\$53,550	18.2
Pine City	*	*	\$43,894	16.5	*	*	*	*	*	*	\$43,894	16.5
Red Wing	*	*	\$48,656	23.5	*	*	*	*	*	*	\$48,656	23.5
Rochester	\$46,580	22.0	\$55,947	34.0	*	*	\$46,980	31.0	\$46,580	22.0	\$52,048	32.7
St. Cloud	\$50,398	20.0	\$54,265	22.0	*	*	*	*	\$50,398	20.0	\$54,265	22.0
St. Paul	\$55,357	29.0	\$53,237	22.0	\$48,367	21.5	\$47,767	20.0	\$51,862	25.3	\$51,870	21.5
Southwestern	*	*	\$41,618	25.8	*	*	*	*	*	*	\$41,618	25.8
Staples	*	*	\$44,278	15.0	*	*	\$31,303	11.0	*	*	\$39,088	13.4
Thief River Falls	*	*	\$47,650	30.0	*	*	*	*	*	*	\$47,650	30.0
Wadena	*	*	\$46,174	27.5	*	*	*	*	*	*	\$46,174	27.5
Willmar	\$42,000	13.0	\$50,150	22.5	*	*	*	*	\$42,000	13.0	\$50,150	22.5
Winona	*	*	\$43,332	25.7	*	*	*	*	*	*	\$43,332	25.7
TOTAL	\$46,729	19.3	\$48,253	22.9	\$44,953	17.2	\$42,555	21.1	\$46,332	18.8	\$47,810	22.8

Table 16. Dropout and Completion Rates of Students

Curriculum Area	Total	# Female	# Male	% Female	% Male
Agriculture	875	153	722	17.5%	82.5%
Distribution	1,970	1,161	809	58.9%	41.1%
Health	2,611	2,206	405	84.5%	15.5%
Home Economics	2,005	1,218	787	60.7%	39.3%
Business & Office	5,541	4,882	659	88.1%	11.9%
Technical	3,207	405	2,802	12.6%	87.4%
Trade & Industrial	8,314	745	7,569	9.0%	91.0%
TOTAL	24,523	10,770	13,753	43.9%	56.1%

	Dropout Rate		Completion Rate		Available Rate		Placed Rate	
	Female	Male	Female	Male	Female	Male	Female	Male
Agriculture	32.0%	24.2%	68.0%	75.8%	63.4%	72.7%	95.9%	93.9%
Distribution	29.8%	33.4%	70.2%	66.6%	66.2%	62.4%	90.5%	92.1%
Health	22.7%	26.4%	77.3%	73.6%	70.9%	63.2%	91.9%	87.9%
Home Economics	28.5%	29.4%	71.5%	70.6%	66.3%	65.8%	94.1%	95.0%
Business & Office	29.8%	59.9%	64.6%	80.9%	58.7%	76.2%	88.9%	84.1%
Technical	40.5%	35.1%	59.5%	64.9%	57.3%	61.4%	83.2%	84.4%
Trade & Industrial	38.0%	33.7%	62.0%	66.3%	58.3%	62.8%	88.7%	91.8%
TOTAL	29.2%	34.3%	68.3%	67.7%	62.8%	63.9%	90.3%	90.1%

Appendix III - Definitions

All data in this report are from the State Board of Vocational Technical Education, as reported by local school districts. The following definitions are used:

Enrollment. The annual headcount conducted on October 1 includes every student enrolled in a continuous day program in a Technical Institute 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 programs 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 and Office, Technical and Trade and Industrial.

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

Integrated. A program which is not segregated by sex 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. Students enrolled in programs where the total enrollment exceeds 80 percent of their own sex are defined as traditional students.

Non-Traditional. Students enrolled in segregated programs dominated by students of the other sex are defined as non-traditional students.

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.

Dropout Rate. The percentage of male or female students who leave a Technical Institute that are dropouts.

Completion Rate. The percentage of male or female students who leave a Technical Institute that have completed their program of study.