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VOCATIONAL EDUCATION SEX EQUITY REPORT: POST-SECONDARY 1985



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COMMISSION ON THE ECONOMIC STATUS OF WOMEN

VOCATIONAL EDUCATION SEX EQUITY REPORT: POST-SECONDARY 1985

Prepared for the Minnesota Department of Vocational Education
under Contract No. 50-SB-130/94-482 by:

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INTRODUCTION

There was a significant change in vocational education as a result of the 1976 Vocational Education Amendments. This law, called Title II, complemented the basic non-discrimination requirements of another federal law, Title IX.

The vocational law required that vocational programs work to actively overcome sex bias, stereotyping and discrimination. As a result of Title II there have been substantial changes in traditional practices, policies, procedures and attitudes. This has resulted in greater participation of women and girls in vocational education.

The new Carl D. Perkins Vocational Education Act of 1984 is a landmark statute for women and girls. It contains the largest set-aside of vocational training dollars targetted to female populations in U.S. history. In addition, the law provides encouragement to states to support programs and strategies dealing with sex equity issues. The new law has the potential to provide greatly increased opportunities for women and girls.

Women and girls have a far greater range of interests, abilities and economic needs than their enrollment and employment patterns would suggest. The economic condition of women and female-headed families shows that women need to be trained for jobs that provide a living wage.

* * * * *

This report is the ninth 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 student enrollment and follow-up and for staff patterns. A detailed appendix provides information for individual AVTIs, a course-by-course statewide listing and definitions.

It should be noted that 1983-84 student data are from a different data base than those of previous reports. The information from prior years are from budget data, which are no longer available by sex. The 1983-84 data are from the post-secondary follow-up system. The data from previous years are included, despite being from a different data base, in order to provide some comparison.

In addition, a small number of students were not included because gender was not indicated. However, this was only one or two students in a handful of classes and their exclusion is not statistically significant.

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.

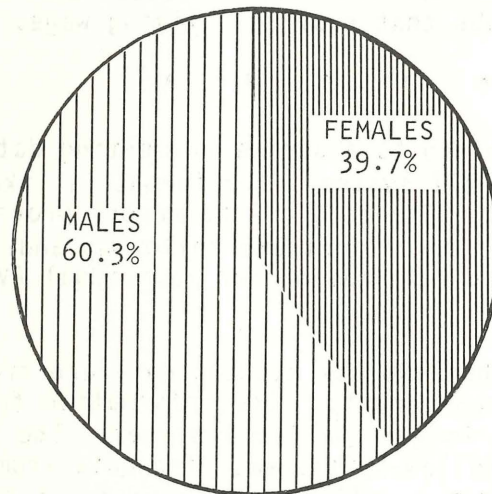
AVTI ENROLLMENTS, 1983-84

In the fall of 1983, AVTIs had higher enrollments than any of the public higher education systems except the University of Minnesota. Male students account for the majority of AVTI enrollments. In 1983-84 the total statewide enrollment of 50,618 consisted of 20,086 female students and 30,532 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 (58 percent female), the State University System (53 percent female) and the University of Minnesota system (45 percent female).

Women are the majority of students at two AVTIs: East Grand Forks and Rochester. At eight additional AVTIs, women represent less than one-third of students. Women account for one-third to one-half of students at the remaining 23 AVTIs. (See Table 1.)

AVTI HEADCOUNT, 1983-84



50,618 STUDENTS

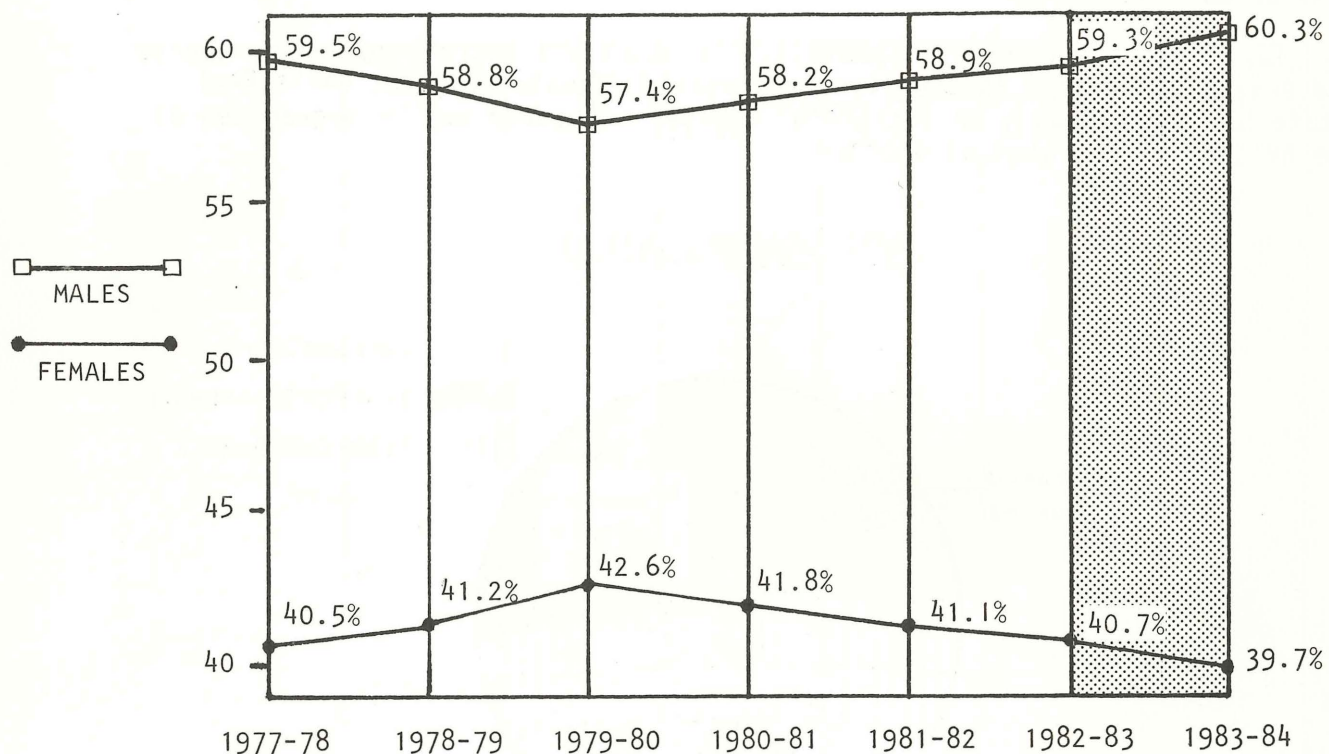
Except where otherwise noted, all enrollment data in this report refer to an actual student headcount of all students enrolled at a particular time during the school year. Average daily membership, the usual measure of enrollment, is not reported by sex.

AVTI ENROLLMENT TRENDS

Enrollment figures for 1983-84 show a greater number of students than 1982-83. The percentage of AVTI students who are women is slightly lower.

Over the years, female enrollments have remained fairly constant. Since 1977-78 there has been an increase in both female and male enrollments - 16% for women and 20% for men.

STUDENT HEADCOUNT ENROLLMENTS



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	25,365	24,345	26,041	27,942	29,373	29,309	30,532
Number of FEMALES	17,258	17,080	19,346	20,108	20,512	20,077	20,086
TOTAL	42,623	41,425	45,387	48,050	49,885	49,386	50,618

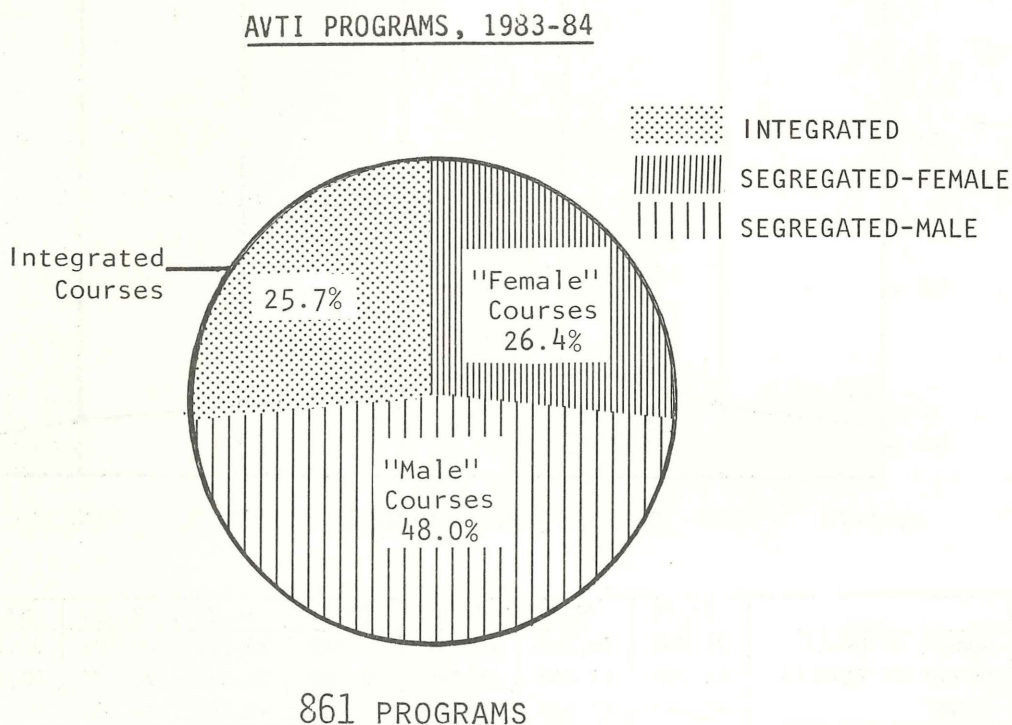
PROGRAM TYPES, 1983-84

A total of 861 programs are offered at individual AVTIs in the state, with an average of 26 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 student 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, Automotive Specialist is usually a segregated "male" course and Practical Nursing is usually a segregated "female" course, while Real Estate Sales is usually an integrated course. A course may be segregated at one AVTI and integrated at another.

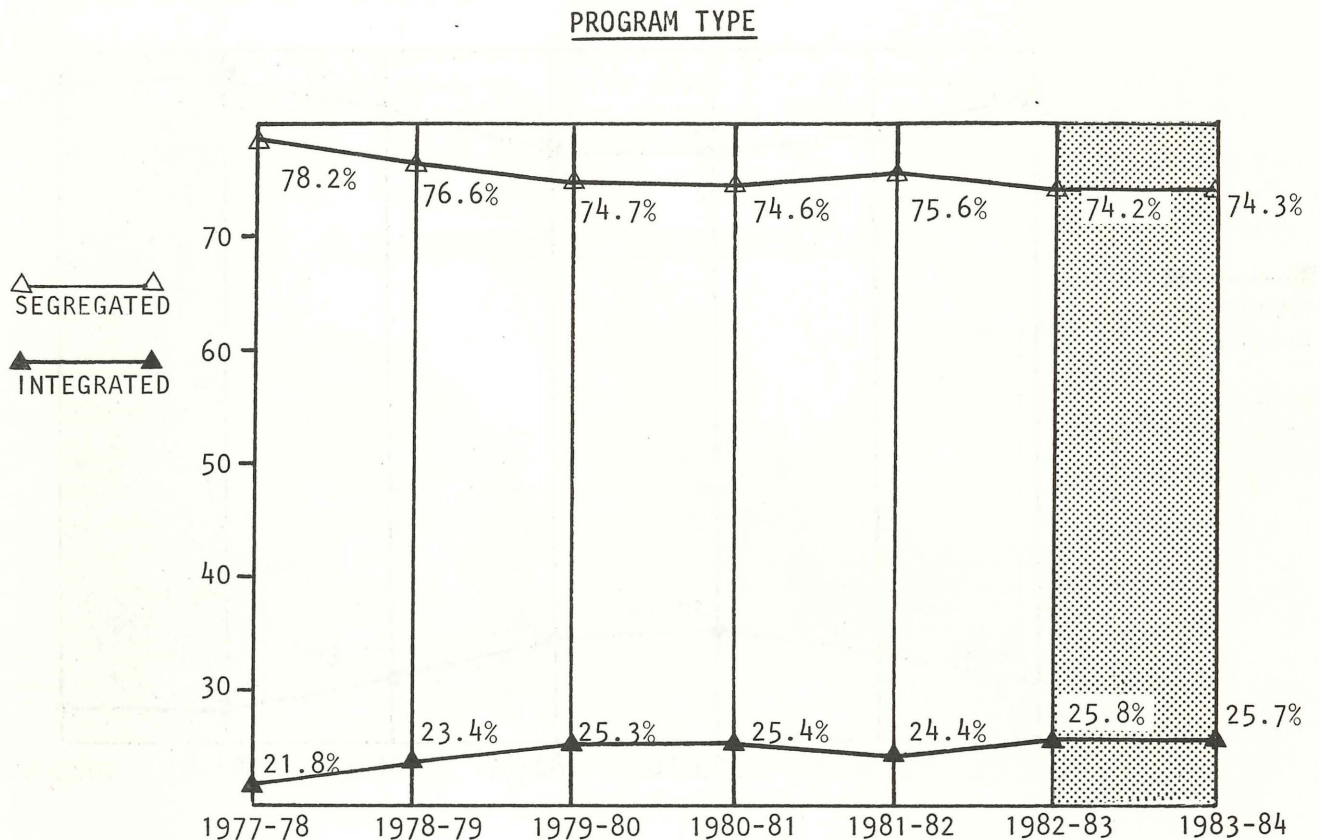


Of the 861 programs offered at individual AVTIs, 413 are segregated "male" programs and 227 are segregated "female" programs. In fact, nearly three in ten programs are either all-male or all-female. (See Tables 2 and 4.)

PROGRAM TYPES - TRENDS

The number of AVTI programs which are integrated has increased steadily over the years.

The total number of programs offered at individual AVTIs is nearly 11 percent greater than the past year, while the number of integrated programs is 12 percent greater. Over the past several years integrated programs have accounted for one-quarter of all AVTI programs.



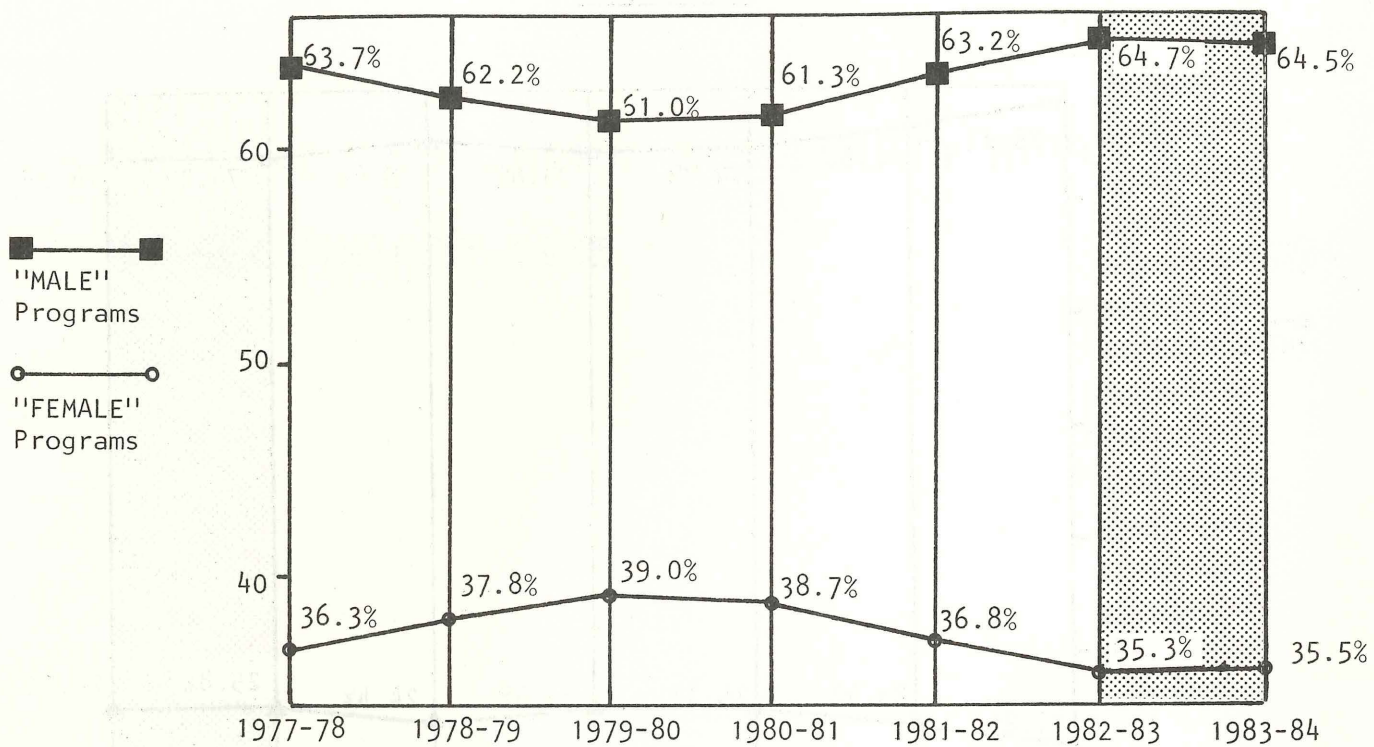
	77-78	78-79	79-80	80-81	81-82	82-83	83-84
# of SEGREGATED Programs	592	592	579	581	590	570	640
# of INTEGRATED Programs	165	181	196	198	190	198	221
TOTAL Programs	757	773	775	779	780	768	861

PROGRAM TYPES - TRENDS, continued

Segregated programs are not evenly divided into "male" and "female" courses. Since 1977-78 segregated "male" courses have outnumbered segregated "female" courses by a substantial margin.

Data for the current year show nearly the same percentage of "male" and "female" programs as last year.

SEGREGATED PROGRAMS



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
# of "MALE" Programs	377	368	353	356	373	369	413
# of "FEMALE" Programs	215	224	226	225	217	201	227
TOTAL Segregated Programs	592	592	579	581	590	570	640

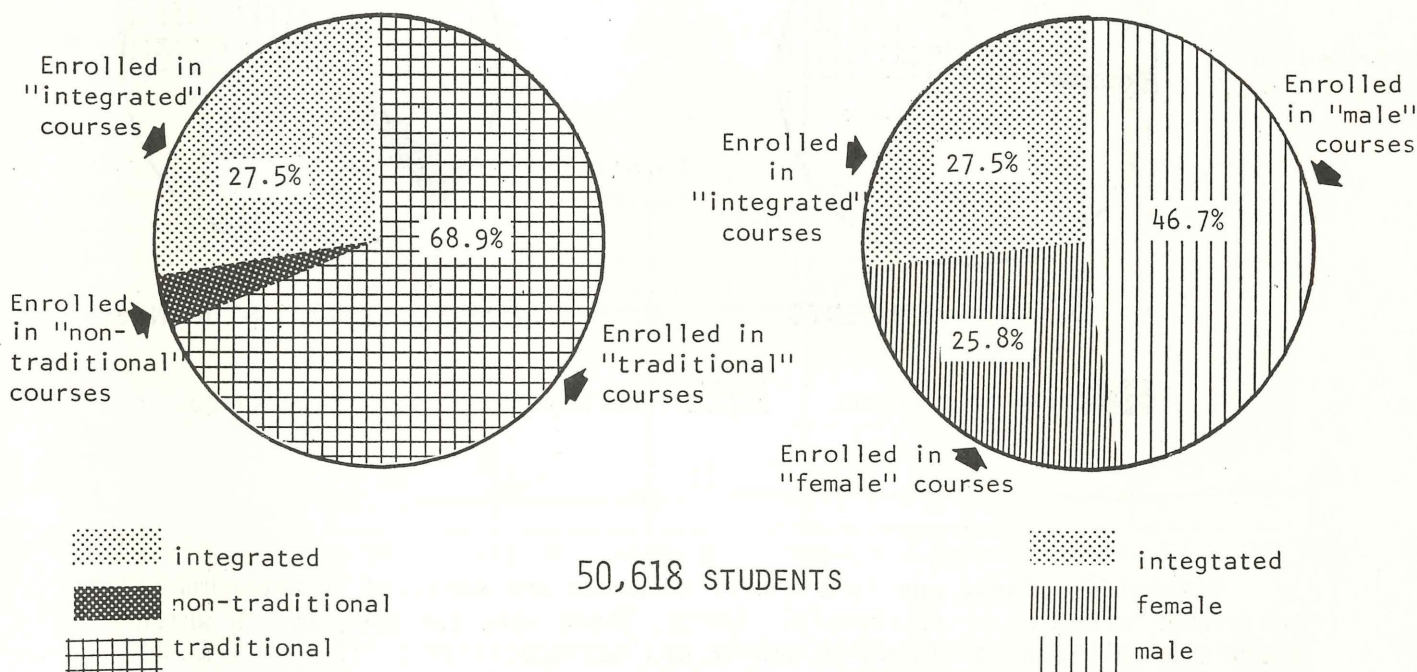
ENROLLMENTS BY PROGRAM TYPE, 1983-84

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" 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, 1983-84



At nine AVTIs -- Albert Lea, Mankato, Minneapolis, Moorhead, 916, Pipestone, Red Wing, St. Cloud and Staples -- integrated programs account for more than one-third of all students.

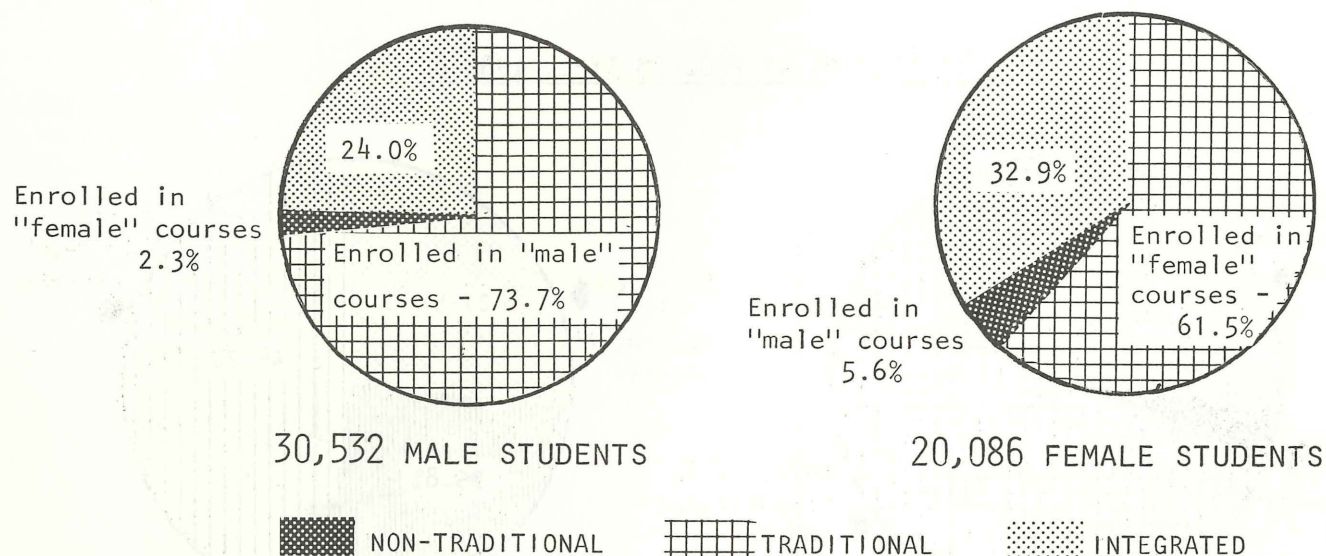
Hibbing and East Grand Forks continue to have the largest proportion of students enrolled in non-traditional programs, accounting for seven and six percent respectively. In addition, three schools -- Duluth, Minneapolis and Rochester -- have non-traditional enrollments of at least five percent.

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 AVTIs.

Female students are more likely than male students to be enrolled in integrated programs -- one-third of women compared to one-fourth of men. Female students are over two times as likely as male students to be enrolled in non-traditional programs -- about 1 in 18 female students compared with about 1 in 44 male students. (See Tables 6 and 7.)

AVTI ENROLLMENT BY PROGRAM TYPE, 1983-84



Statewide, almost one in six AVTI students are enrolled in programs which are either all-male or all-female. (Note: There were ten programs in which there was only one-sex in which gender was not specified.) There are 5,450 male students in programs with no women and 3,001 female students in courses with no men. (See Tables 3 and 4.)

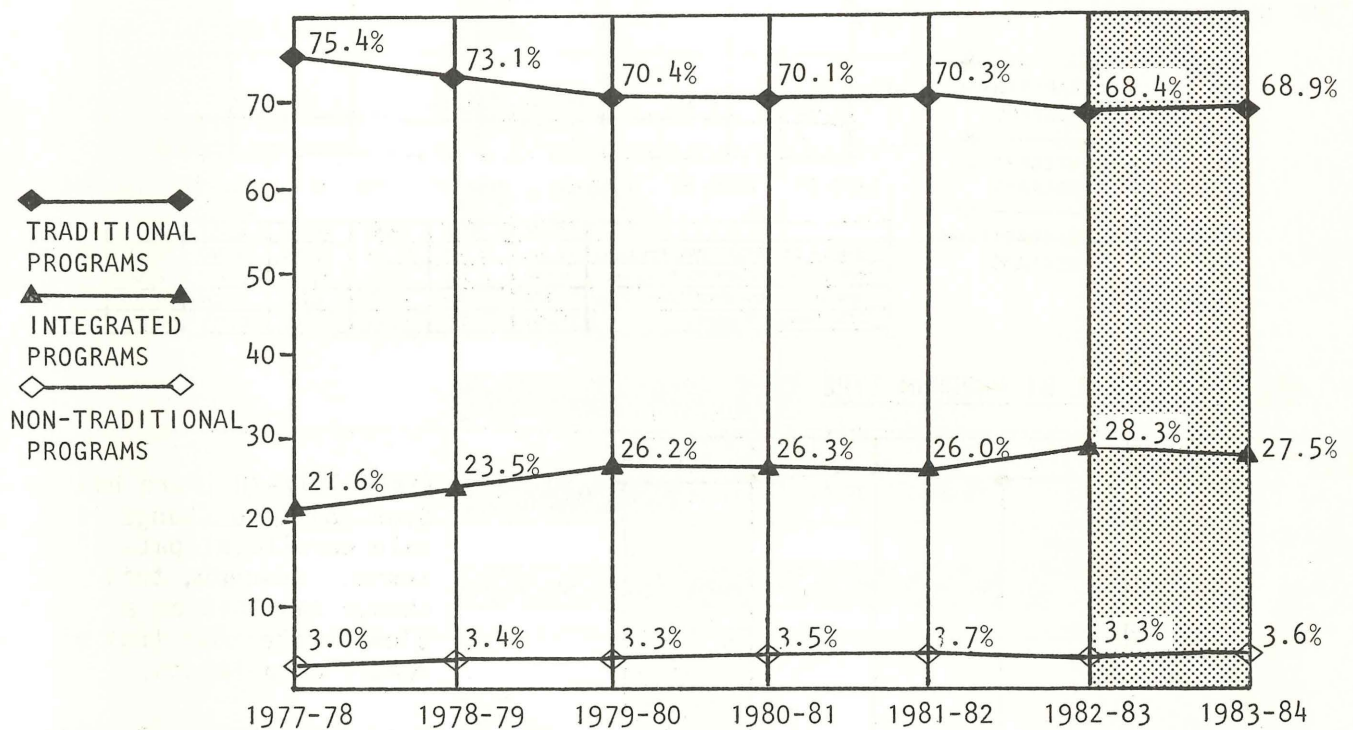
In addition, many courses have only one female student or only one male student. These pioneering students are in courses with an average of 41 students of the other sex. Eighty-eight women are "the only woman" in courses such as Cable Television Technician. Thirty-seven men are "the only man" in courses such as Optometric Assistant. (Note: There was only one course in which there was only one person of any sex in which gender was not specified.)

ENROLLMENTS BY PROGRAM TYPE - TRENDS

Little change has occurred over the past five years in enrollment patterns for traditional, non-traditional and integrated programs. 1983-84 data show a slight increase in both traditional and non-traditional enrollments. Integrated enrollments decreased slightly.

The proportion of students enrolled in integrated programs has remained at more than one-quarter, up from one-fifth five years ago. Non-traditional students account for about 1 in 28 students, and there has been relatively little change since 1978-79.

STUDENT ENROLLMENT BY PROGRAM TYPE



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
# in TRADITIONAL Programs	32,143	30,284	31,974	33,701	35,063	33,759	34,869
# in INTEGRATED Programs	9,202	9,731	11,893	12,644	12,967	13,975	13,921
# in NON-TRADITIONAL Programs	1,278	1,410	1,520	1,705	1,855	1,652	1,828
TOTAL Students	42,623	41,425	45,387	48,050	49,885	49,386	50,618

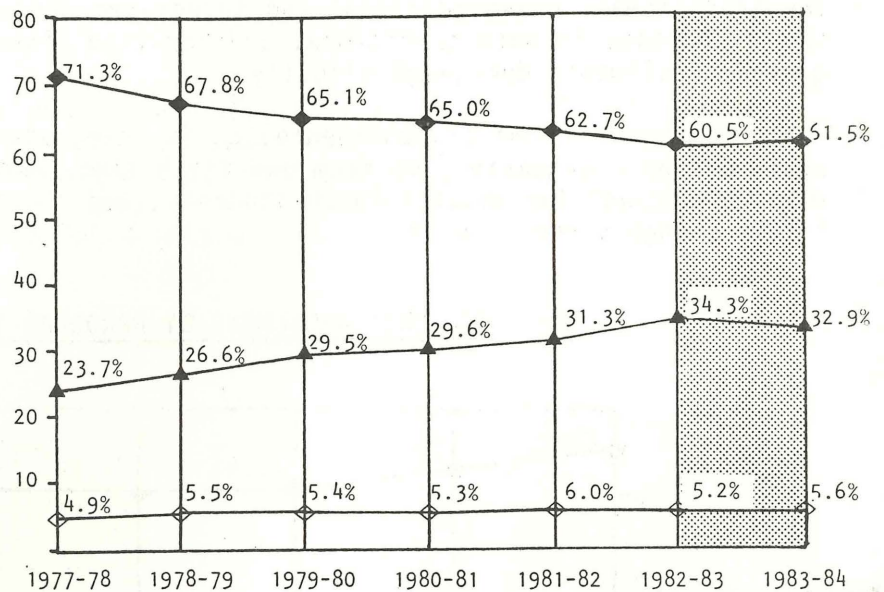
ENROLLMENTS BY PROGRAM TYPE - TRENDS, con't.

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 showed a slight gain in 1983-84.

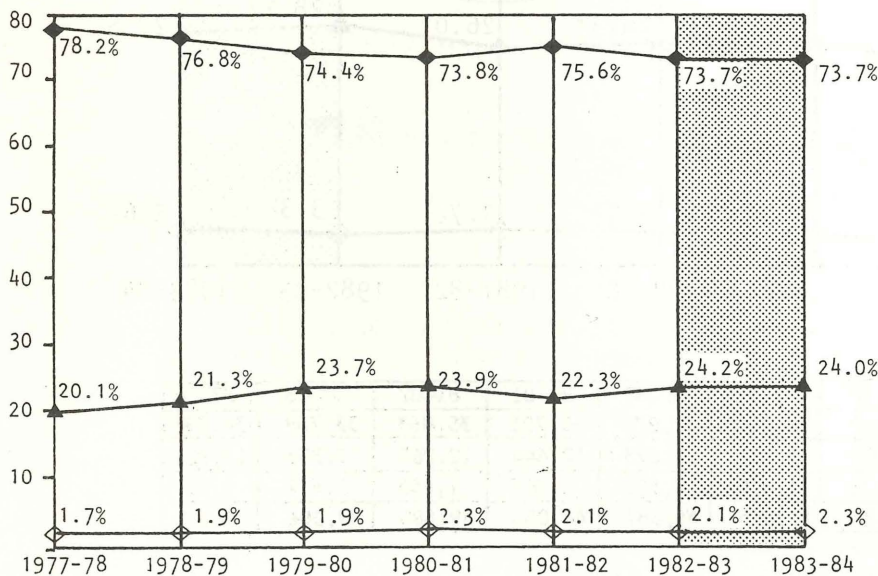
◆ TRADITIONAL PROGRAMS
▲ INTEGRATED PROGRAMS
◇ NON-TRADITIONAL PROGRAMS

FEMALE ENROLLMENTS BY PROGRAM TYPE



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Females in TRADITIONAL Programs	12,312	11,585	12,598	13,078	12,860	12,155	12,358
Females in INTEGRATED Programs	4,092	4,551	5,712	5,958	6,417	6,883	6,607
Females in NON-TRADITIONAL Prog	854	944	1,036	1,072	1,235	1,039	1,121
TOTAL Female Students	17,258	17,080	19,346	20,108	20,512	20,077	20,086

MALE ENROLLMENT BY PROGRAM TYPE



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

Male enrollments in integrated programs remained at about 1 in 4, up from 1 in 5 in late 1970's.

◆ TRADITIONAL PROGRAMS
▲ INTEGRATED PROGRAMS
◇ NON-TRADITIONAL PROGRAMS

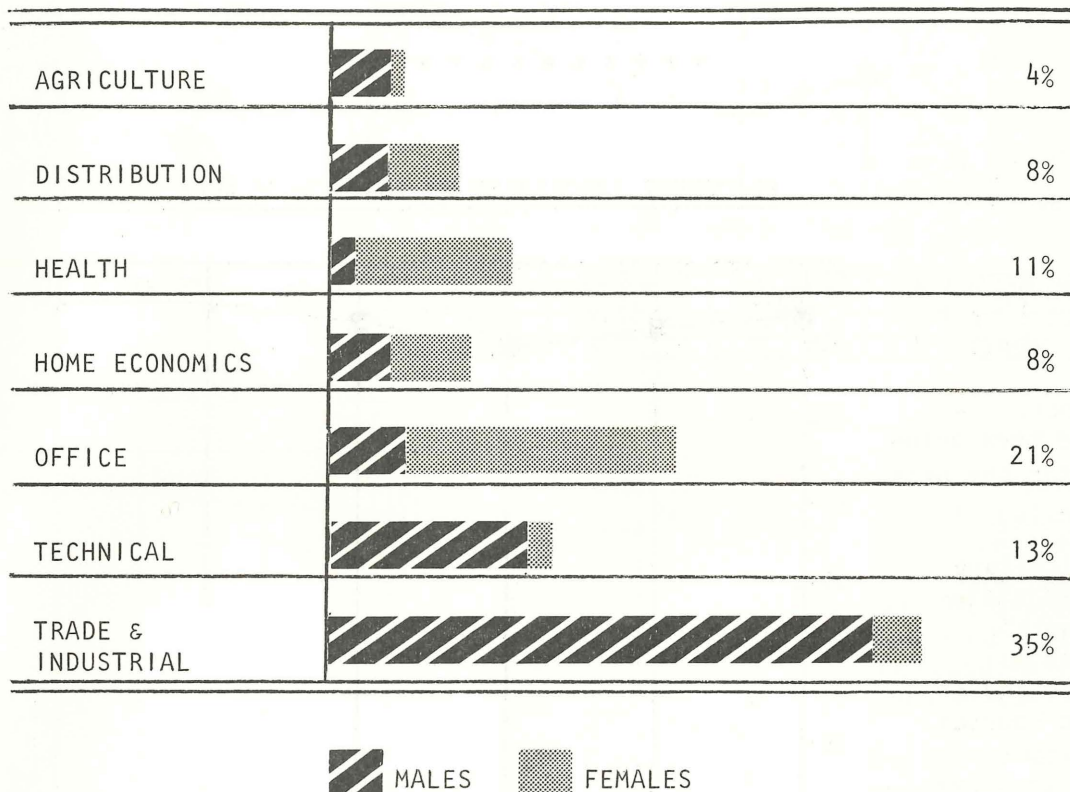
	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Males in TRADITIONAL Programs	19,831	18,699	19,376	20,623	22,203	21,604	22,511
Males in INTEGRATED Programs	5,110	5,180	6,181	6,686	6,550	7,092	7,314
Males in NON-TRADITIONAL Prog.	424	466	484	633	620	613	707
TOTAL Male Students	25,365	24,345	26,041	27,942	29,373	29,309	30,532

ENROLLMENT BY CURRICULUM AREA, 1983-84

The graph 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, 1983-84



There is also segregation within program areas. For example, over half of male office students are enrolled in just 2 of the 17 courses offered: Accounting and Computer Programming.

Just over half of female students in the trade-industrial area are enrolled in just 2 of the 58 courses: Commercial Arts and Offset Printing. (See Table 11.)

ENROLLMENT BY CURRICULUM AREA - TRENDS

There have been few changes in male and female enrollment patterns by program since 1977-78. Agriculture, technical and trade-industrial courses continue to be "male" courses; business and office is nearly 80 percent 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 courses in 1983-84, see Table 11 in the appendix to this report.

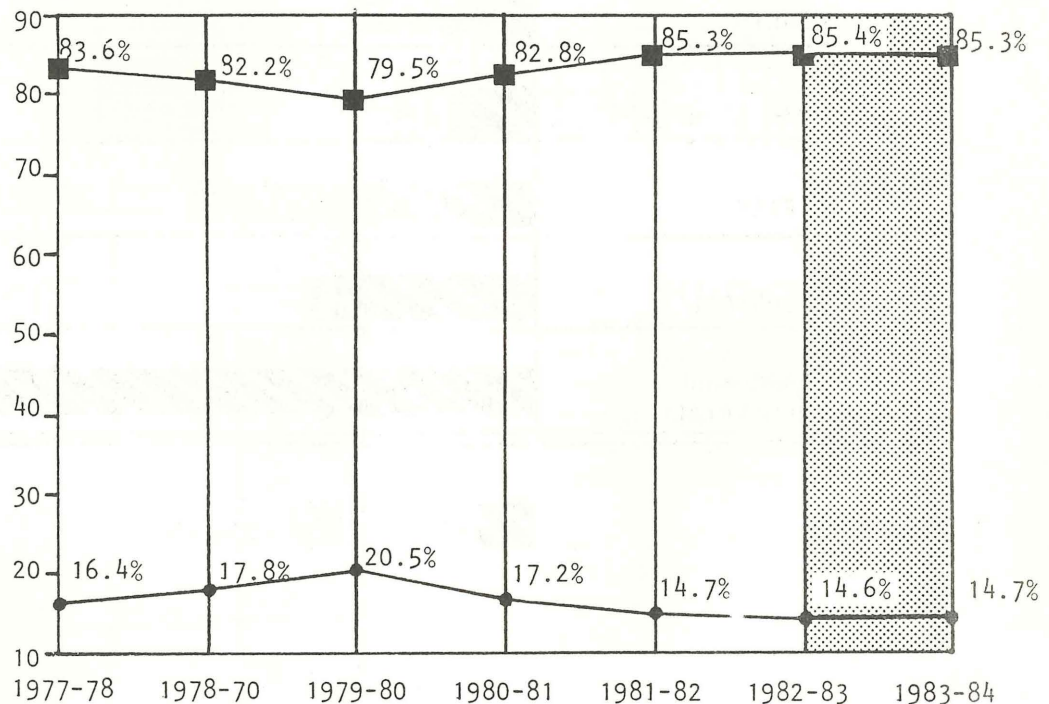
HEADCOUNT ENROLLMENT BY CURRICULUM AREA - AGRICULTURE

Women continue to represent about 1 in 7 agriculture students.

Female enrollments in this area have been below that of 1977 for the past several years.

Of the 14 agriculture courses offered state-wide, 8 are "male" courses, one is a "female" course and 5 are integrated courses. The "male" courses account for over three-fifths of agriculture students. Just over one-third of the students are enrolled in integrated courses.

MALES
FEMALES



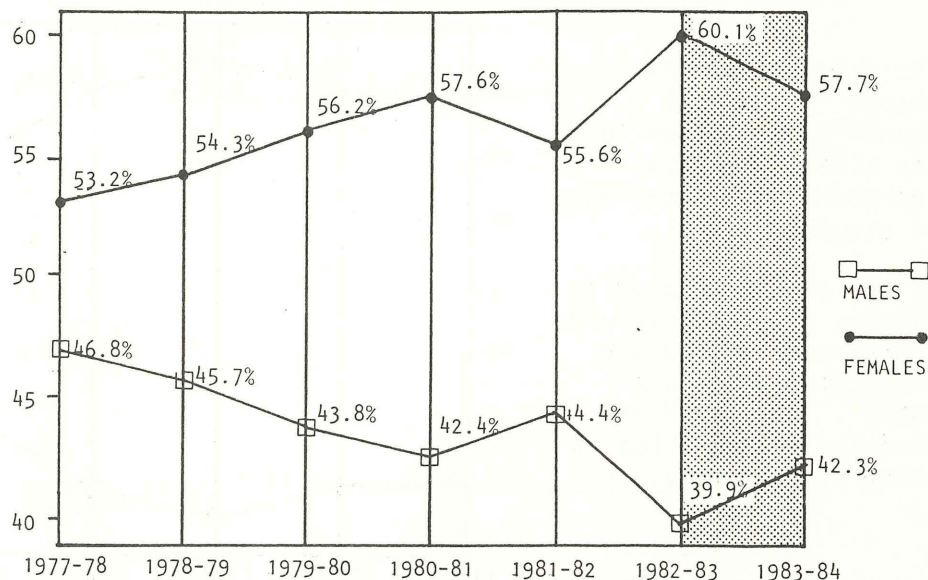
	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	1,718	1,629	1,729	1,809	1,991	1,808	1,815
Number of FEMALES	337	352	445	376	342	310	312
TOTAL	2,055	1,981	2,174	2,185	2,333	2,118	2,127

CURRICULUM AREA - TRENDS, con't.

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - DISTRIBUTION

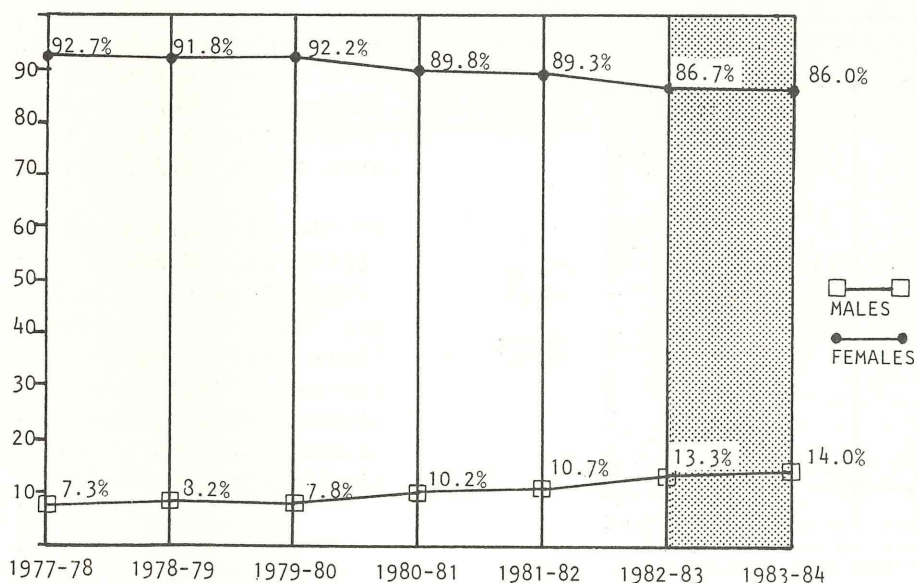
Distribution has historically been the most balanced by sex of the curriculum areas.

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



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	1,545	1,540	1,463	1,459	1,665	1,414	1,607
Number of FEMALES	1,756	1,832	1,874	1,984	2,084	2,130	2,190
TOTAL	3,301	3,372	3,337	3,443	3,749	3,544	3,797

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - HEALTH



Men now represent nearly 1 in 7 health students. Their enrollment has increased by over 100 percent since 1977-78 compared to a 2 percent decrease in female enrollments.

Beginning in 1982-83 several courses previously assigned to Trade & Industrial were assigned to Health.

Of the 22 health courses offered statewide, 11 are "female" courses, 4 are "male" courses, and 7 are integrated courses. Over four-fifths of health students are enrolled in a "female" class.

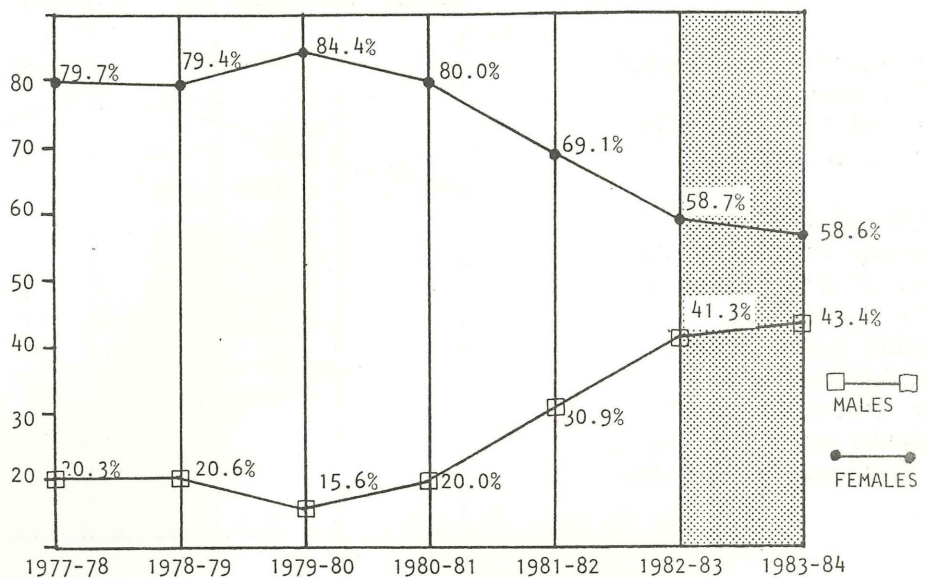
	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	377	390	425	574	607	708	766
Number of FEMALES	4,795	4,350	5,014	5,028	5,077	4,625	4,712
TOTAL	5,172	4,740	5,439	5,602	5,684	5,333	5,478

CURRICULUM AREA - TRENDS, con't.

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - HOME ECONOMICS

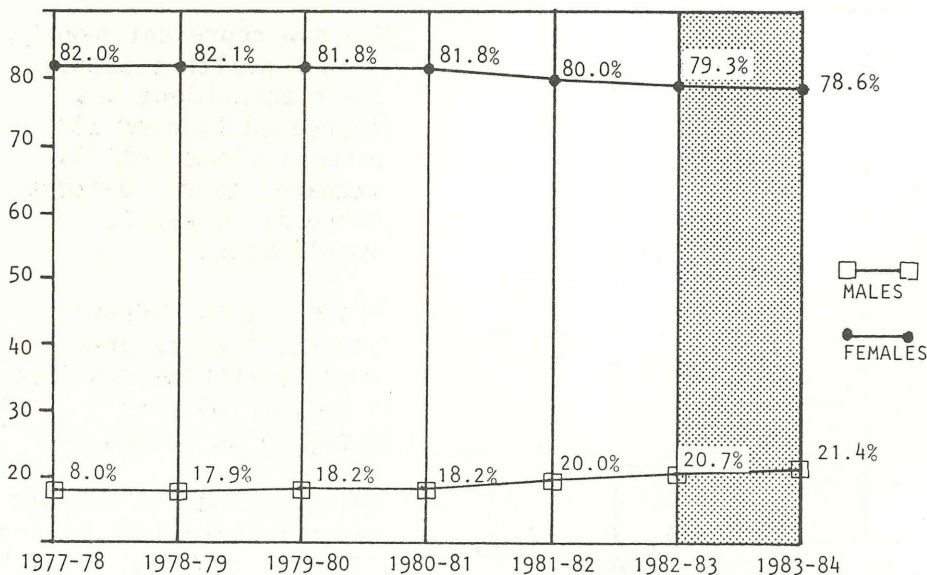
There has been more change in the home economics area than in any other. Men now represent over two-fifths of students.

Of the 22 home economics courses offered statewide 7 are "female", 12 are integrated and 3 are "male". Over half of students are enrolled in integrated courses.



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	153	140	134	204	503	1,721	1,821
Number of FEMALES	602	540	723	815	1,127	2,445	2,378
TOTAL	755	680	857	1,019	1,630	4,166	4,199

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - BUSINESS & OFFICE



Men continue to represent 1 in 5 business-office students. There has been little change in this area since 1977-78.

Of the 17 courses offered statewide, 10 are "female" courses, and 7 are integrated courses. There are no "male" courses. Just over three-fifths of the students are enrolled in the integrated courses.

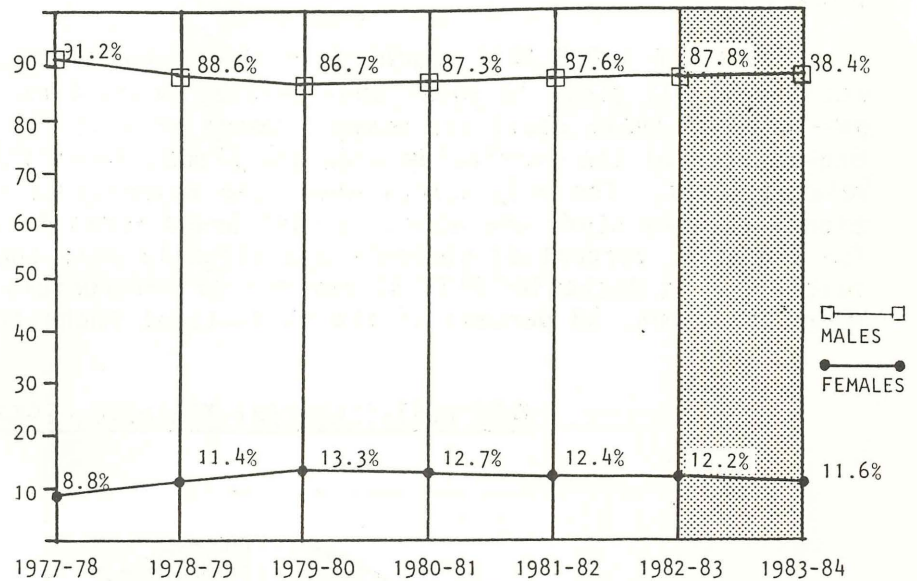
	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	1,534	1,474	1,663	1,755	2,069	2,198	2,236
Number of FEMALES	6,987	6,777	7,494	7,891	8,268	8,419	8,220
TOTAL	8,521	8,251	9,157	9,646	10,337	10,617	10,456

CURRICULUM AREA - TRENDS, con't.

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - TECHNICAL

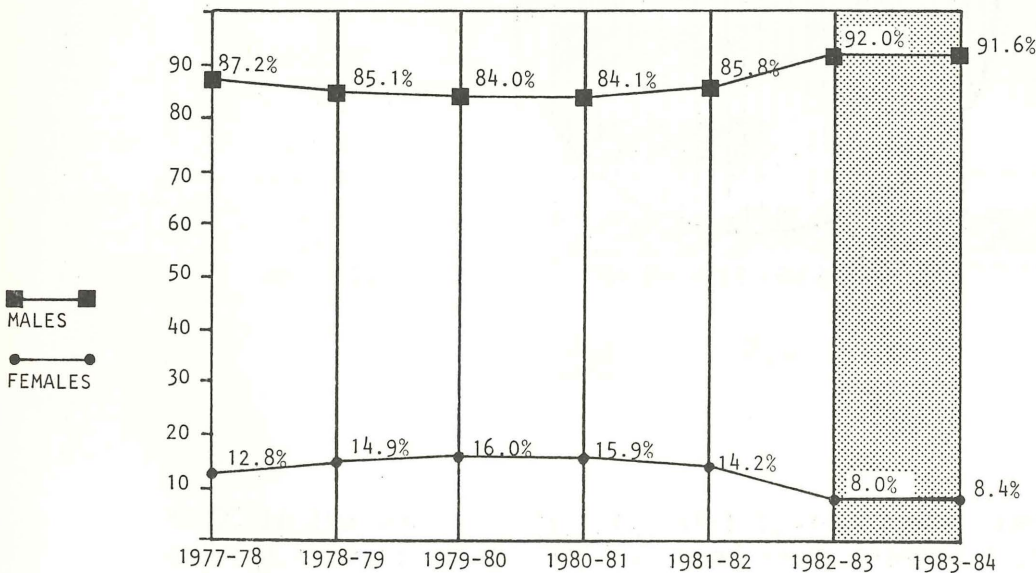
Women account for about 1 in 9 technical students. Although their representation has decreased over the last several years, it remains above the level of 1977-78.

Of the 35 technical courses offered statewide, 30 are "male" course and 5 are integrated courses. There are no "female" courses. The male courses account for nearly nine-tenths of the students.



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	3,254	3,136	3,593	3,714	4,278	5,600	5,935
Number of FEMALES	314	405	550	538	603	775	780
TOTAL	3,568	3,541	4,143	4,252	4,881	6,375	6,715

HEADCOUNT ENROLLMENT BY CURRICULUM AREA - TRADE & INDUSTRIAL



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALES	16,806	16,036	17,034	18,427	18,260	15,860	16,352
Number of FEMALES	2,467	2,807	3,246	3,476	3,011	1,373	1,494
TOTAL	19,273	18,843	20,280	21,903	21,271	17,233	17,846

Women account for about 1 in 12 trade-industrial students.

Of the 58 trade-industrial courses offered statewide, 48 are "male" courses and 10 are integrated courses. The integrated courses account for 17 percent of students.

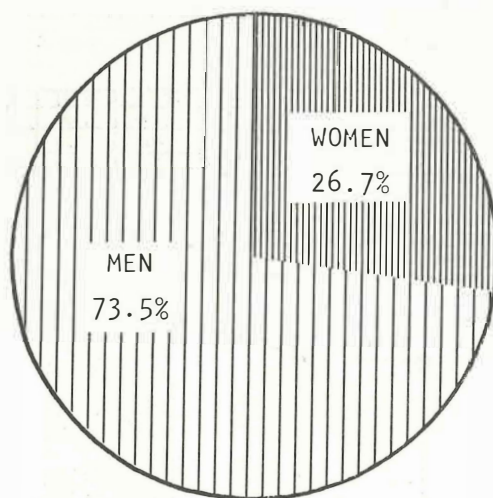
There are no "female" courses. Seven courses have no female students.

STAFF PATTERNS, 1983-84

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 1,927 AVTI teachers in the seven curriculum areas. There are an additional 371 staff in vocational related activities. Overall, less than one-third of these staff are women. Women account for slightly more than one-quarter of the curriculum area and almost two-fifths of the vocational-related staff. The only school where the majority of all teachers and vocational related staff are women is East Grand Forks AVTI, where women account for almost 51 percent of students and slightly more than 51 percent of teachers. At Rochester AVTI 53 percent of instructors in the seven curriculum areas are women, 53 percent of the students at Rochester AVTI are women.

AVTI POST-SECONDARY TEACHERS, 1983-84



1,927 FTE TEACHERS

Female teachers have lower average salaries than male teachers at 30 of the 33 AVTIs, including 8 schools where the women have more years of service than their male counterparts.

Statewide, men now earn an average of \$2,332 per year of service, compared with 2,263 for women. (See Table 14 and 15.)

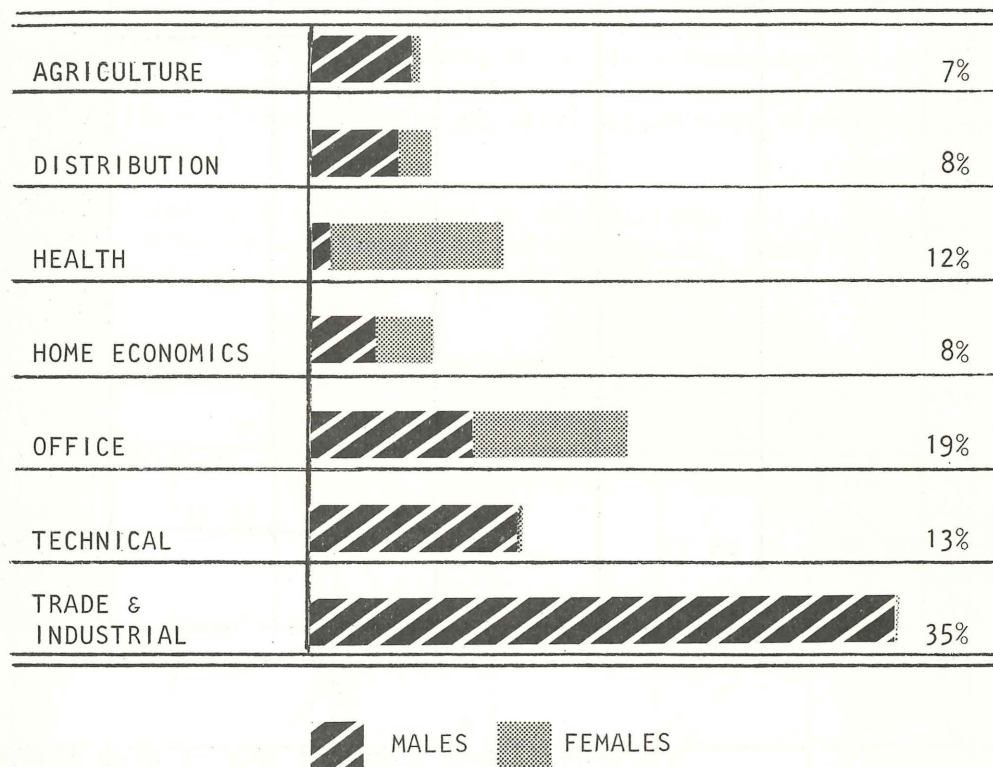
Women account for 19 percent of post-secondary administrators and supervisors in the state.

TEACHERS BY CURRICULUM AREA, 1983-84

The chart below shows the distribution of teachers by curriculum area, excluding vocational related activities. 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 one in seven of the 1926.5 FTE teachers are women in technical or trade & industrial programs -- accounting for less than 2 percent of all teachers in these areas.

AVTI TEACHERS BY CURRICULUM AREA, 1983-84



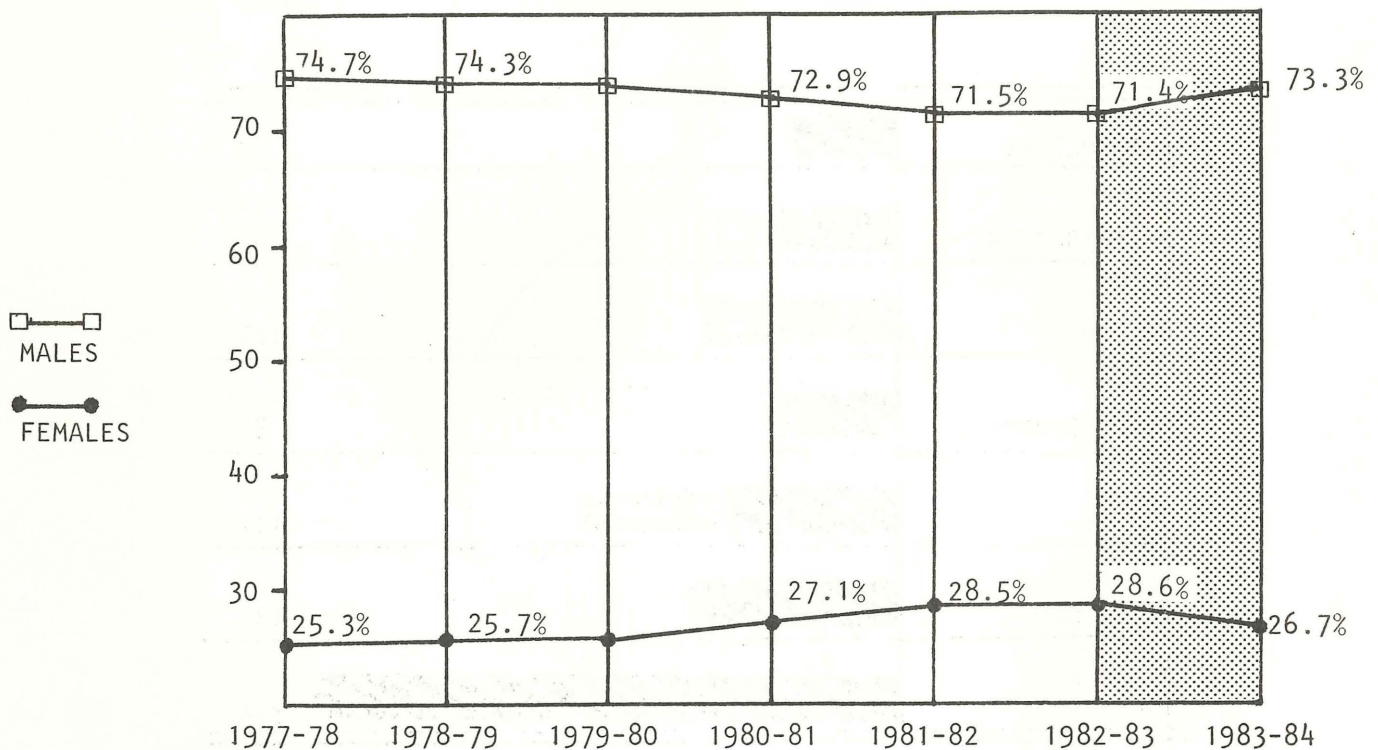
The proportion of teachers who are female is lower than the proportion of students who are female in every program area except health. This is true even for some areas that are predominately female such as business-office, where women are 79 percent of the students but only 49 percent of the teachers.

STAFF TRENDS

Since 1977-78, there has been a net increase of 34 FTE teaching positions at Minnesota AVTIs. This included a decrease of 48 male teachers and a gain of 82 female teachers. The statewide representation of female teachers increased accordingly over this period, from 25 percent to nearly 29 percent of all AVTI teachers.

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 19 percent during this time.

POST-SECONDARY AVTI TEACHERS



	77-78	78-79	79-80	80-81	81-82	82-83	83-84
Number of MALE Teachers	1,690	1,710	NA	1,716	1,695	1,672	1,412
Number of FEMALE Teachers	574	591	NA	638	675	669	514
TOTAL Teachers	2,264	2,301	NA	2,354	2,370	2,341	1,926

STUDENT FOLLOW-UP, 1983-84

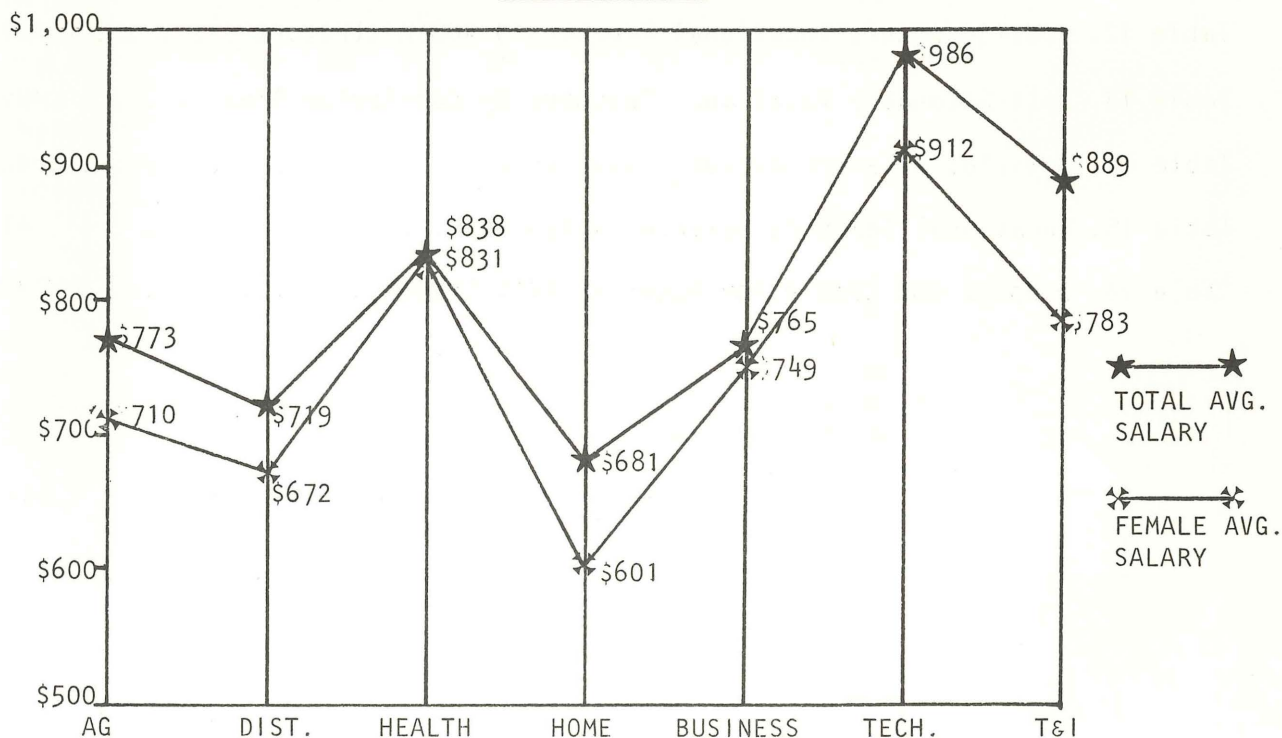
Data are available for 12,467 women and 16,512 men who left AVTI programs in fiscal year 1983. There are few differences between women and men. The major exception is women's earnings - they are consistently lower than the average earnings of all students.

The students who leave an AVTI are classified as either dropouts or completers. There are some differences in dropout and completion rates of women and men. Overall, women are slightly less likely to dropout and more likely to complete than their male counterparts. Women have a higher dropout rate in agriculture, technical and trade-industrial. The difference in agriculture is greater than the other two curriculum areas. Women have a higher completion rate in distribution, health, home economics and business and office. The greatest difference is in business and office. (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 course of study. There is a very high placement rate of these students, with few differences by sex. The largest differences are in agriculture, where men have a higher placement rate, and in health and business and office, where women have higher placement rates. (See Table 16.)

The salary data is available only by all students and by female students. There is not a separate breakdown for male students. Overall, as well as by every curriculum area, women's salaries are less than men's salaries.

AVERAGE EARNINGS OF AVTI GRADUATES BY CURRICULUM AREA
ONE YEAR LATER



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TABLE 1. HEADCOUNT ENROLLMENTS BY SEX, 1983-84

AVTI	Female Students	Male Students	Total Students	Percent Female
Albert Lea	247	446	693	35.6%
Alexandria	857	1,087	1,944	44.1%
Anoka	1,205	1,657	2,862	42.1%
Austin	398	649	1,047	38.0%
Bemidji	265	292	557	47.6%
Brainerd	560	582	1,142	49.0%
Canby	182	465	647	28.1%
Dakota County	983	1,251	2,234	44.0%
Detroit Lakes	365	709	1,074	34.0%
Duluth	1,034	1,290	2,324	44.5%
East Grand Forks	515	501	1,016	50.7%
Eveleth	225	265	490	45.9%
Faribault	245	352	597	41.0%
Granite Falls	194	336	530	36.6%
Hennepin	1,912	3,912	5,824	32.8%
Hibbing	253	656	909	27.8%
Hutchinson	404	647	1,051	38.4%
Jackson	167	545	712	23.5%
Mankato	888	1,178	2,066	43.0%
Minneapolis	1,671	2,335	4,006	41.7%
Moorhead	540	668	1,208	44.7%
916	1,778	2,240	4,018	44.3%
Pine City	124	388	512	24.2%
Pipestone	171	452	623	27.4%
Red Wing	203	667	870	23.3%
Rochester	734	660	1,394	52.7%
St. Cloud	890	1,316	2,206	40.3%
St. Paul	1,194	1,913	3,107	38.4%
Staples	182	772	954	19.1%
Thief River Falls	274	443	717	38.2%
Wadena	279	422	701	39.8%
Willmar	841	948	1,789	47.0%
Winona	306	488	794	38.5%
TOTAL	20,086	30,532	50,618	39.7%

TABLE 2, SEGREGATED AND INTEGRATED PROGRAMS, 1983-84

AVTI	Total Programs	Segregated		Total	Integrated Programs	Percent Integrated
		"Female" Programs	"Male" Programs			
Albert Lea	15	3	6	9	6	40.0%
Alexandria	35	12	15	27	8	22.9%
Anoka	37	16	13	29	8	21.6%
Austin	17	4	8	12	5	29.4%
Bemidji	15	7	4	11	4	26.7%
Brainerd	23	12	8	20	3	13.0%
Canby	14	3	6	9	5	35.7%
Dakota County	40	7	20	27	13	32.5%
Detroit Lakes	28	5	16	21	7	25.0%
Duluth	33	8	16	24	9	27.3%
East Grand Forks	23	10	10	20	3	13.0%
Eveleth	12	4	5	9	3	25.0%
Faribault	17	3	10	13	4	23.5%
Granite Falls	14	6	5	11	3	21.4%
Hennepin	58	9	34	43	15	25.9%
Hibbing	21	8	8	16	5	23.8%
Hutchinson	21	7	10	17	4	19.0%
Jackson	19	3	14	17	2	10.5%
Mankato	27	4	12	16	11	40.7%
Minneapolis	41	7	18	25	16	39.0%
Moorhead	27	9	12	21	6	22.2%
916	66	15	31	46	20	30.3%
Pine City	14	2	11	13	1	7.1%
Pipestone	16	3	9	12	4	25.0%
Red Wing	19	2	13	15	4	21.1%
Rochester	26	11	8	19	7	26.9%
St. Cloud	38	7	18	25	13	34.2%
St. Paul	43	12	18	30	13	30.2%
Staples	20	1	13	14	6	30.0%
Thief River Falls	18	5	9	14	4	22.2%
Wadena	18	5	11	16	2	11.1%
Willmar	28	11	12	23	5	17.9%
Winona	18	6	10	16	2	11.1%
TOTAL	861	227	413	640	221	25.7%

TABLE 3, SINGLE-SEX ENROLLMENTS, 1983-84

	# Students		Total		Percent in One-Sex Programs
	Female In All- F Progs	Male In All- M Progs	In One-Sex Programs	Total Students	
AVTI					
Albert Lea	74	212	286	693	41.3%
Alexandria	78	216	294	1,944	15.1%
Anoka	245	0	245	2,862	8.6%
Austin	79	168	247	1,047	23.6%
Bemidji	90	55	145	557	26.0%
Brainerd	134	51	185	1,142	16.2%
Canby	101	264	365	647	56.4%
Dakota County	0	457	457	2,234	20.5%
Detroit Lakes	0	152	152	1,074	14.2%
Duluth	86	43	129	2,324	5.6%
East Grand Forks	41	130	171	1,016	16.8%
Eveleth	26	38	64	490	13.1%
Faribault	2	138	140	597	23.5%
Granite Falls	94	40	134	530	25.3%
Hennepin	155	238	393	5,824	6.7%
Hibbing	30	68	98	909	10.8%
Hutchinson	147	101	248	1,051	23.6%
Jackson	40	287	327	712	45.9%
Mankato	232	243	475	2066	23.0%
Minneapolis	54	34	88	4,006	2.2%
Moorhead	181	142	323	1,208	26.7%
916	85	310	395	4,018	9.8%
Pine City	80	322	402	512	78.5%
Pipestone	13	232	245	623	39.3%
Red Wing	47	134	181	870	20.8%
Rochester	199	215	414	1,394	29.7%
St. Cloud	191	211	402	2,206	18.2%
St. Paul	53	184	237	3,107	7.6%
Staples	38	49	87	954	9.1%
Thief River Falls	76	199	275	717	38.4%
Wadena	92	115	207	701	29.5%
Willmar	166	240	406	1789	22.7%
Winona	72	162	234	794	29.5%
TOTAL	3,001	5,450	8,451	50,618	16.7%

TABLE 4, SINGLE-SEX PROGRAMS, 1983-84

	# Programs		Total One-Sex Progs	Total Programs	Percent One- Sex Programs
	ALL- Female	All- Male			
AVTI					
Albert Lea	2	5	7	15	46.7%
Alexandria	3	4	7	35	20.0%
Anoka	8	0	8	37	21.6%
Austin	1	3	4	17	23.5%
Bemidji	4	2	6	15	40.0%
Brainerd	5	1	6	23	26.1%
Canby	2	4	6	14	42.9%
Dakota County	0	13	13	40	32.5%
Detroit Lakes	0	5	5	28	17.9%
Duluth	2	2	4	33	12.1%
East Grand Forks	3	6	9	23	39.1%
Eveleth	1	1	2	12	16.7%
Faribault	1	5	6	17	35.3%
Granite Falls	5	1	6	14	42.9%
Hennepin	3	6	9	58	15.5%
Hibbing	4	3	7	21	33.3%
Hutchinson	5	4	9	21	42.9%
Jackson	1	7	8	19	42.1%
Mankato	1	5	6	27	22.2%
Minneapolis	2	2	4	41	9.8%
Moorhead	5	5	10	27	37.0%
916	3	8	11	66	16.7%
Pine City	2	9	11	14	78.6%
Pipestone	2	7	9	16	56.3%
Red Wing	1	6	7	19	36.8%
Rochester	5	4	9	26	34.6%
St. Cloud	3	8	11	38	28.9%
St. Paul	3	5	8	43	18.6%
Staples	1	4	5	20	25.0%
Thief River Falls	3	5	8	18	44.4%
Wadena	4	4	8	18	44.4%
Willmar	6	4	10	28	35.7%
Winona	3	5	8	18	44.4%
TOTAL	94	153	247	861	28.7%

TABLE 5, ENROLLMENTS BY PROGRAM TYPE, 1983-84 - ALL STUDENTS

AVTI	Total Students		In Seg Trad'l Programs		In Seg Non-Trad'l Progs		In Integrated Programs	
	Number	%	Number	%	Number	%	Number	%
Albert Lea	693	100.0%	423	61.0%	3	0.4%	267	38.5%
Alexandria	1,944	100.0%	1,311	67.4%	73	3.8%	560	28.8%
Anoka	2,862	100.0%	2,371	82.8%	124	4.3%	367	12.8%
Austin	1,047	100.0%	748	71.4%	28	2.7%	271	25.9%
Bemidji	557	100.0%	409	73.4%	15	2.7%	133	23.9%
Brainerd	1,142	100.0%	902	79.0%	53	4.6%	187	16.4%
Canby	647	100.0%	537	83.0%	9	1.4%	101	15.6%
Dakota County	2,234	100.0%	1,450	64.9%	63	2.8%	721	32.3%
Detroit Lakes	1,074	100.0%	756	70.4%	34	3.2%	284	26.4%
Duluth	2,324	100.0%	1,707	73.5%	118	5.1%	499	21.5%
East Grand Forks	1,016	100.0%	869	85.5%	73	7.2%	74	7.3%
Evelth	490	100.0%	367	74.9%	20	4.1%	103	21.0%
Faribault	597	100.0%	430	72.0%	18	3.0%	149	25.0%
Granite Falls	530	100.0%	410	77.4%	18	3.4%	102	19.2%
Hennepin	5,824	100.0%	3,861	66.3%	233	4.0%	1,730	29.7%
Hibbing	909	100.0%	696	76.6%	56	6.2%	157	17.3%
Hutchinson	1,051	100.0%	829	78.9%	47	4.5%	175	16.7%
Jackson	712	100.0%	624	87.6%	18	2.5%	70	9.8%
Mankato	2,066	100.0%	1,091	52.8%	35	1.7%	940	45.5%
Minneapolis	4,006	100.0%	2,306	57.6%	200	5.0%	1,500	37.4%
Moorhead	1,208	100.0%	779	64.5%	24	2.0%	405	33.5%
916	4,018	100.0%	2,485	61.8%	132	3.3%	1,401	34.9%
Pine City	512	100.0%	457	89.3%	5	1.0%	50	9.8%
Pipestone	623	100.0%	387	62.1%	7	1.1%	229	36.8%
Red Wing	870	100.0%	450	51.7%	21	2.4%	399	45.9%
Rochester	1,394	100.0%	1,112	79.8%	73	5.2%	209	15.0%
St. Cloud	2,206	100.0%	1,311	59.4%	57	2.6%	838	38.0%
St. Paul	3,107	100.0%	2,037	65.6%	126	4.1%	944	30.4%
Staples	954	100.0%	589	61.7%	30	3.1%	335	35.1%
Thief River Falls	717	100.0%	581	81.0%	12	1.7%	124	17.3%
Wadena	701	100.0%	559	79.7%	19	2.7%	123	17.5%
Willmar	1,789	100.0%	1,334	74.6%	63	3.5%	392	21.9%
Winona	794	100.0%	691	87.0%	21	2.6%	82	10.3%
TOTAL	50,618	100.0%	34,869	68.9%	1,828	3.6%	13,921	27.5%

TABLE 6, ENROLLMENTS BY PROGRAM TYPE, 1983-84 - FEMALE

	Enrolled in Segregated Programs				Enrolled in Integrated Programs	Percent in Integrated Programs
	Total Female Students	In "Female" Programs	In "Male" Programs	Total		
AVTI						
Albert Lea	247	96	1	97	150	60.7%
Alexandria	857	506	46	552	305	35.6%
Anoka	1,205	955	81	1,036	169	14.0%
Austin	398	272	16	288	110	27.6%
Bemidji	265	182	8	190	75	28.3%
Brainerd	560	429	27	456	104	18.6%
Canby	182	119	8	127	55	30.2%
Dakota County	983	640	28	668	315	32.0%
Detroit Lakes	365	227	20	247	118	32.3%
Duluth	1,034	731	65	796	238	23.0%
East Grand Forks	515	445	25	470	45	8.7%
Evelth	225	164	6	170	55	24.4%
Faribault	245	125	12	137	108	44.1%
Granite Falls	194	113	17	130	64	33.0%
Hennepin	1,912	1,062	182	1,244	668	34.9%
Hibbing	253	137	46	183	70	27.7%
Hutchinson	404	270	41	311	93	23.0%
Jackson	167	105	12	117	50	29.9%
Mankato	888	356	28	384	504	56.8%
Minneapolis	1,671	855	102	957	714	42.7%
Moorhead	540	338	17	355	185	34.3%
916	1,778	1,011	82	1,093	685	38.5%
Pine City	124	80	5	85	39	31.5%
Pipestone	171	55	2	57	114	66.7%
Red Wing	203	84	19	103	100	49.3%
Rochester	734	588	19	607	127	17.3%
St. Cloud	890	395	46	441	449	50.4%
St. Paul	1,194	722	65	787	407	34.1%
Staples	182	38	30	68	114	62.6%
Thief River Falls	274	195	8	203	71	25.9%
Wadena	279	181	16	197	82	29.4%
Willmar	841	638	29	667	174	20.7%
Winona	306	244	12	256	50	16.3%
TOTAL	20,086	12,358	1,121	13,479	6,607	32.9%

TABLE 7, ENROLLMENTS BY PROGRAM TYPE, 1983-84 - MALE

AVTI	Enrolled in Segregated Programs				Enrolled in Integrated Programs	Percent in Integrated Programs
	Total Male Students	In "Female" Programs	In "Male" Programs	Total		
Albert Lea	446	2	327	329	117	26.2%
Alexandria	1,087	27	805	832	255	23.5%
Anoka	1,657	43	1,416	1,459	198	11.9%
Austin	649	12	476	488	161	24.8%
Bemidji	292	7	227	234	58	19.9%
Brainerd	582	26	473	499	83	14.3%
Canby	465	1	418	419	46	9.9%
Dakota County	1,251	35	810	845	406	32.5%
Detroit Lakes	709	14	529	543	166	23.4%
Duluth	1,290	53	976	1,029	261	20.2%
East Grand Forks	501	48	424	472	29	5.8%
Evelth	265	14	203	217	48	18.1%
Faribault	352	6	305	311	41	11.6%
Granite Falls	336	1	297	298	38	11.3%
Hennepin	3,912	51	2,799	2,850	1,062	27.1%
Hibbing	656	10	559	569	87	13.3%
Hutchinson	647	6	559	565	82	12.7%
Jackson	545	6	519	525	20	3.7%
Mankato	1,178	7	735	742	436	37.0%
Minneapolis	2,335	98	1,451	1,549	786	33.7%
Moorhead	668	7	441	448	220	32.9%
916	2,240	50	1,474	1,524	716	32.0%
Pine City	388	0	377	377	11	2.8%
Pipestone	452	5	332	337	115	25.4%
Red Wing	667	2	366	368	299	44.8%
Rochester	660	54	524	578	82	12.4%
St. Cloud	1,316	11	916	927	389	29.6%
St. Paul	1,913	61	1,315	1,376	537	28.1%
Staples	772	0	551	551	221	28.6%
Thief River Falls	443	4	386	390	53	12.0%
Wadena	422	3	378	381	41	9.7%
Willmar	948	34	696	730	218	23.0%
Winona	488	9	447	456	32	6.6%
TOTAL	30,532	707	22,511	23,218	7,314	24.0%

TABLE 8, ENROLLMENTS BY CURRICULUM AREA, 1983-84

AVTI	Agriculture			Distribution			HEALTH			HOME ECONOMICS		
	#F	#M	%F	#F	#M	%F	#F	#M	%F	#F	#M	%F
Albert Lea	*	*	*	72	34	67.9%	*	*	*	23	13	63.9%
Alexandria	0	67	0.0%	301	133	69.4%	82	9	90.1%	43	2	95.6%
Anoka	15	86	14.9%	107	92	53.8%	623	54	92.0%	57	34	62.6%
Austin	0	52	0.0%	15	32	31.9%	69	1	98.6%	79	0	100.0%
Bemidji	*	*	*	19	21	47.5%	60	6	90.9%	*	*	*
Brainerd	36	96	27.3%	89	43	67.4%	128	8	94.1%	10	14	41.7%
Canby	7	228	3.0%	*	*	*	69	0	100.0%	10	10	50.0%
Dakota County	13	60	17.8%	418	179	70.0%	67	7	90.5%	24	111	17.8%
Detroit Lakes	15	64	19.0%	71	56	55.9%	83	3	96.5%	40	49	44.9%
Duluth	16	120	11.8%	89	83	51.7%	349	54	86.6%	54	74	42.2%
East Grand Forks	0	90	0.0%	0	1	0.0%	280	37	88.3%	1	1	50.0%
Eveleth	*	*	*	*	*	*	97	13	88.2%	*	*	*
Faribault	0	41	0.0%	22	9	71.0%	108	26	80.6%	1	20	4.8%
Granite Falls	*	*	*	8	8	50.0%	34	0	100.0%	*	*	*
Hennepin	88	144	37.9%	135	109	55.3%	340	49	87.4%	142	178	44.4%
Hibbing	1	0	100.0%	14	27	34.1%	109	18	85.8%	40	30	57.1%
Hutchinson	2	68	2.9%	52	44	54.2%	*	*	*	54	3	94.7%
Jackson	1	49	2.0%	17	11	60.7%	27	4	87.1%	*	*	*
Mankato	7	115	5.7%	109	91	54.5%	132	10	93.0%	65	67	49.2%
Minneapolis	*	*	*	38	73	34.2%	342	68	83.4%	334	261	56.1%
Moorhead	0	27	0.0%	85	97	46.7%	36	0	100.0%	18	41	30.5%
916	30	16	65.2%	132	8	94.3%	419	239	63.7%	464	323	59.0%
Pine City	2	26	7.1%	0	75	0.0%	*	*	*	16	0	100.0%
Pipestone	0	25	0.0%	74	85	46.5%	*	*	*	24	136	15.0%
Red Wing	0	12	0.0%	*	*	*	47	0	100.0%	64	222	22.4%
Rochester	14	8	63.6%	*	*	*	421	69	85.9%	42	15	73.7%
St. Cloud	0	39	0.0%	164	168	49.4%	155	16	90.6%	73	36	67.0%
St. Paul	*	*	*	13	41	24.1%	330	59	84.8%	231	126	64.7%
Staples	11	67	14.1%	*	*	*	*	*	*	14	8	63.6%
Thief River Falls	0	36	0.0%	27	16	62.8%	30	0	100.0%	67	3	96.7%
Wadena	*	*	*	20	7	74.1%	*	*	*	89	3	96.7%
Willmar	54	237	18.6%	79	46	63.2%	193	9	95.5%	189	39	82.9%
Winona	0	42	0.0%	20	18	52.6%	82	7	92.1%	90	2	97.8%
TOTAL	312	1,815	14.7%	2,190	1,607	57.7%	4,712	766	86.0%	2,378	1,821	56.6%

(TABLE 8, CONTINUED)

BUSINESS & OFFICE			TECHNICAL			TRADE & INDUSTRIAL			TOTAL			
#F	#M	%F	#F	#M	%F	#F	#M	%F	#F	#M	%F	
125	27	82.2%	26	45	36.6%	1	327	0.3%	247	446	35.6%	Albert Lea
348	127	73.3%	8	151	5.0%	75	598	11.1%	857	1,087	44.1%	Alexandria
297	2	99.3%	70	357	16.4%	36	1,032	3.4%	1,205	1,657	42.1%	Anoka
170	32	84.2%	32	215	13.0%	33	317	9.4%	398	649	38.0%	Austin
178	38	82.4%	*	*	*	8	227	3.4%	265	292	47.6%	Benidiji
286	34	89.4%	*	*	*	11	387	2.8%	560	582	49.0%	Brainerd
83	12	87.4%	1	13	7.1%	12	202	5.6%	182	465	28.1%	Canby
372	118	75.9%	13	113	10.3%	76	663	10.3%	983	1,251	44.0%	Dakota County
110	10	91.7%	12	28	30.0%	34	499	6.4%	365	709	34.0%	Detroit Lakes
467	101	82.2%	43	404	9.6%	16	454	3.4%	1,034	1,290	44.5%	Duluth
207	34	85.9%	*	*	*	27	338	7.4%	515	501	50.7%	East Grand Forks
102	23	81.6%	11	67	14.1%	15	162	8.5%	225	265	45.9%	Eveleth
103	12	89.6%	6	40	13.0%	5	204	2.4%	245	352	41.0%	Faribault
129	15	89.6%	18	180	9.1%	5	133	3.6%	194	336	36.6%	Granite Falls
712	171	80.6%	139	970	12.5%	356	2,291	13.4%	1,912	3,912	32.8%	Hennepin
35	3	92.1%	2	72	2.7%	52	506	9.3%	253	656	27.8%	Hibbing
249	15	94.3%	28	251	10.0%	19	266	6.7%	404	647	38.4%	Hutchinson
111	11	91.0%	8	105	7.1%	3	365	0.8%	167	545	23.5%	Jackson
492	199	71.2%	32	284	10.1%	51	412	11.0%	888	1,178	43.0%	Mankato
703	288	70.9%	49	272	15.3%	205	1,373	13.0%	1,671	2,335	41.7%	Minneapolis
360	82	81.4%	4	101	3.8%	37	320	10.4%	540	668	44.7%	Moorhead
601	246	71.0%	60	330	15.4%	72	1,078	6.3%	1,778	2,240	44.3%	Nine Sixteen
103	94	52.3%	*	*	*	3	193	1.5%	124	388	24.2%	Pine City
72	53	57.6%	*	*	*	1	153	0.6%	171	452	27.4%	Pipestone
66	56	54.1%	14	164	7.9%	12	213	5.3%	203	667	23.3%	Red Wing
227	35	86.6%	26	187	12.2%	4	346	1.1%	734	660	52.7%	Rochester
405	118	77.4%	43	365	10.5%	50	574	8.0%	890	1,316	40.3%	St. Cloud
429	197	68.5%	85	660	11.4%	106	830	11.3%	1,194	1,913	38.4%	St. Paul
38	0	100.0%	5	21	19.2%	114	676	14.4%	182	772	19.1%	Staples
113	11	91.1%	14	108	11.5%	3	269	1.1%	274	443	38.2%	Thief River Falls
154	34	81.9%	10	163	5.8%	6	215	2.7%	279	422	39.8%	Wadena
271	24	91.9%	12	164	6.8%	43	429	9.1%	841	948	47.0%	Willmar
102	14	87.9%	9	105	7.9%	3	300	1.0%	306	488	38.5%	Winona
8,220	2,236	78.6%	780	5,935	11.6%	1,494	16,352	8.4%	20,086	30,532	39.7%	Total

TABLE 9, CURRICULUM AREA BY PROGRAM TYPE: NUMBER OF PROGRAMS

Curriculum Area	Number of Programs* Which Are:			Total	Percent Integrated
	Female	Male	Integrated		
Agriculture	1	8	5	14	35.7%
Distribution	6	6	12	24	50.0%
Health	11	4	7	22	31.8%
Home Economics	7	3	12	22	54.5%
Business - Office	10	0	7	17	41.2%
Technical	0	30	5	35	14.3%
Trade - Industrial	0	48	10	58	17.2%
TOTAL	35	99	58	192	30.2%

TABLE 10, CURRICULUM AREA BY PROGRAM TYPE: NUMBER OF STUDENTS

Curriculum Area	# Students in Programs* Which Are:			Total	Percent Integrated
	Female	Male	Integrated		
Agriculture	61	1,342	724	2,127	34.0%
Distribution	1,151	238	2,408	3,797	63.4%
Health	4,730	146	602	5,478	11.0%
Home Economics	1,637	300	2,262	4,199	53.9%
Business - Office	5,854	0	4,602	10,456	44.0%
Technical	0	6,187	528	6,715	7.9%
Trade - Industrial	0	15,634	2,212	17,846	12.4%
TOTAL	13,433	23,847	13,338	50,618	26.4%

TABLE 11, ENROLLMENTS BY COURSE BY CURRICULUM AREA, 1983 - 84

AGRICULTURE

OE Code	Course	Female	Male	Total	% Female	% Male	Course Type
010100	Production Agriculture	16	564	580	2.8%	97.2%	Male
010106	Dairy Herd Management	3	23	26	11.5%	88.5%	Male
010200	Ag Supplies Sales-Service	15	116	131	11.5%	88.5%	Male
010200	Agriculture Supplies Sales-Service	1	12	13	7.7%	92.3%	Male
010200	Ag Supplies Sales-Service	48	124	172	27.9%	72.1%	Integrated
010220	Horse Care-Stable Operations	56	5	61	91.8%	8.2%	Female
010300	Farm Equipment Mechanics	2	396	398	0.5%	99.5%	Male
010302	Rural Building Construction	0	35	35	0.0%	100.0%	Male
010500	Horticulture	63	54	117	53.8%	46.2%	Integrated
010502	Commercial Greenhouse Production	10	9	19	52.6%	47.4%	Integrated
010504	Landscape	63	244	307	20.5%	79.5%	Integrated
010600	Natural Resources Management	27	82	109	24.8%	75.2%	Integrated
10615	Land Construction Conservation	1	26	27	3.7%	96.3%	Male
010706	Forest Harvesting	7	125	132	5.3%	94.7%	Male
TOTAL		312	1,815	2,127	14.7%	85.3%	

DISTRIBUTION

OE Code	Course	Female	Male	Total	% Female	% Male	Course Type
040100	Advertising Layout	54	26	80	67.5%	32.5%	Integrated
040103	Visual Merchandising	27	4	31	87.1%	12.9%	Female
040200	Fashion Merchandising	470	37	507	92.7%	7.3%	Female
040400	Finance- Credit Management	82	53	135	60.7%	39.3%	Integrated
040500	Retail Floral	98	5	103	95.1%	4.9%	Female
040600	Supermarket Management	44	136	180	24.4%	75.6%	Integrated
040800	Sales Assoc-Retail Merchandising	248	337	585	42.4%	57.6%	Integrated
040900	Hardware-Home Center	5	39	44	11.4%	88.6%	Male
040910	Lumberyard Management	1	23	24	4.2%	95.8%	Male
041000	Home Furnishing Sale	77	9	86	89.5%	10.5%	Female
041050	Interior Design	134	14	148	90.5%	9.5%	Female
041060	Interior Environment Specialist	2	1	3	66.7%	33.3%	Integrated
041100	Hotel-Motel Restaurant Management	45	42	87	51.7%	48.3%	Integrated
041200	Professional Sales/Advertising	48	101	149	32.2%	67.8%	Integrated
041400	International Trade	43	25	68	63.2%	36.8%	Integrated
041700	Real Estate Sales	7	9	16	43.8%	56.3%	Integrated
041801	Sporting Goods	9	58	67	13.4%	86.6%	Male
041802	Travel Planner	260	16	276	94.2%	5.8%	Female
041805	Arena/Auditorium Management	0	2	2	0.0%	100.0%	Male
041900	Transportation-Distribution	17	45	62	27.4%	72.6%	Integrated
041910	Distribution Center	0	25	25	0.0%	100.0%	Male
042200	Marketing-Sales Management	490	525	1,015	48.3%	51.7%	Integrated
043200	Small Business Management	16	12	28	57.1%	42.9%	Integrated
044000	Materials Management	13	63	76	17.1%	82.9%	Male
TOTAL		2,190	1,607	3,797	57.7%	42.3%	

(TABLE 11, CONTINUED)

HEALTH

OE Code	Course	Female	Male	Total	% Female	% Male	Course Type
070101	Dental Assisting	534	3	537	99.4%	0.6%	Female
070103	Dental Lab Technician	63	57	120	52.5%	47.5%	Integrated
070203	Medical Lab Technician	208	47	255	81.6%	18.4%	Female
070302	Practical Nursing	2,064	199	2,263	91.2%	8.8%	Female
070303	Nurse Assistant	691	105	796	86.8%	13.2%	Female
070305	Surgical Technician	126	43	169	74.6%	25.4%	Integrated
070307	Home Health Aide	15	3	18	83.3%	16.7%	Female
070401	Occupational Therapy	130	8	138	94.2%	5.8%	Female
070403	Prosthetics Technician	6	45	51	11.8%	88.2%	Male
070404	Orthotics Technician	7	47	54	13.0%	87.0%	Male
070430	Prosthetic Practitioner	0	20	20	0.0%	100.0%	Male
070440	Orthotics Practitioner	3	18	21	14.3%	85.7%	Male
070603	Optometric Assistant	67	1	68	98.5%	1.5%	Female
070801	Health Occupations	288	11	299	96.3%	3.7%	Female
070901	EEG Technologist	17	3	20	85.0%	15.0%	Female
070903	Respiratory Therapy	71	45	116	61.2%	38.8%	Integrated
070905	Central Service Technician	17	10	27	63.0%	37.0%	Integrated
070906	Human Services Technician	115	20	135	85.2%	14.8%	Female
070911	Mental Retardation Assistant	35	16	51	68.6%	31.4%	Integrated
070925	Paramedics	23	52	75	30.7%	69.3%	Integrated
070943	Medical Office Assistant	197	4	201	98.0%	2.0%	Female
071300	Pharmacy Technician	35	9	44	79.5%	20.5%	Integrated
TOTAL		4,712	766	5,478	86.0%	14.0%	

HOME ECONOMICS

OE Code	Course	Female	Male	Total	% Female	% Male	Course Type
090201	Child Development	261	6	267	97.8%	2.2%	Female
090202	Fabrics, Fashion Merchandising	44	12	56	78.6%	21.4%	Integrated
090208	Chef Training I	46	123	169	27.2%	72.8%	Integrated
090209	Apparel Arts	164	33	197	83.2%	16.8%	Female
090210	Educational Assistant	61	4	65	93.8%	6.2%	Female
090215	Edu Develop-Perm Employment	64	222	286	22.4%	77.6%	Integrated
090220	Deaf Interpreter	34	5	39	87.2%	12.8%	Female
091100	Custodial Service Worker	2	80	82	2.4%	97.6%	Male
091101	Housekeeping Aide	10	36	46	21.7%	78.3%	Integrated
092601	Barbering	34	22	56	60.7%	39.3%	Integrated
092602	Cosmetology	941	30	971	96.9%	3.1%	Female
092901	Baking	59	47	106	55.7%	44.3%	Integrated
092902	Food Service Management	420	820	1240	33.9%	66.1%	Integrated
092903	Meat Cutting	0	183	183	0.0%	100.0%	Male
092905	Food Service Management	15	21	36	41.7%	58.3%	Integrated
092906	Specialty Foods Delicatessen	23	13	36	63.9%	36.1%	Integrated
092907	Special Needs-Food Services	34	43	77	44.2%	55.8%	Integrated
092908	Dietetic Assistant	43	2	45	95.6%	4.4%	Female
092909	Dietary Technician	47	6	53	88.7%	11.3%	Female
093302	Tailoring	29	10	39	74.4%	25.6%	Integrated
093402	Shoe Repair	4	31	35	11.4%	88.6%	Male
093500	Upholstery	43	72	115	37.4%	62.6%	Integrated
TOTAL		2,378	1,821	4,199	56.6%	43.4%	

(TABLE 11, CONTINUED)

BUSINESS - OFFICE

OE Code	Course	Female	Male	Total	% Female	% Male	Course Type
140100	Accounting	1,604	743	2,347	68.3%	31.7%	Integrated
140102	Bookkeeping/Practical Business	101	48	149	67.8%	32.2%	Integrated
140120	Banking and Finance	183	39	222	82.4%	17.6%	Female
140121	Agriculture Banking	38	57	95	40.0%	60.0%	Integrated
140200	Data Processing Occupation	273	379	652	41.9%	58.1%	Integrated
140201	EDP Operation	196	215	411	47.7%	52.3%	Integrated
140203	Computer Programming	347	489	836	41.5%	58.5%	Integrated
140292	Data Entry	253	34	287	88.2%	11.8%	Female
140307	Medical Records Technician	74	1	75	98.7%	1.3%	Female
140704	Court-Convention Reporting	51	3	54	94.4%	5.6%	Female
140730	Secretarial Training	2,667	68	2,735	97.5%	2.5%	Female
140731	Clerical-Office Assistant	987	87	1,074	91.9%	8.1%	Female
140743	Legal Secretary Training	552	4	556	99.3%	0.7%	Female
140752	Medical Secretary	255	1	256	99.6%	0.4%	Female
140753	Medical Secretary Training	446	5	451	98.9%	1.1%	Female
140800	Practical Office Management	53	59	112	47.3%	52.7%	Integrated
140906	Word Processing	140	4	144	97.2%	2.8%	Female
Total		8,220	2,236	10,456	78.6%	21.4%	

(TABLE 11, CONTINUED)

TECHNICAL

OE Code	Course	Female	Male	Total	% Female	% Male	Course Type
160103	Architectural Drafting	113	550	663	17.0%	83.0%	Male
160106	Civil-Engineering Technology	18	202	220	8.2%	91.8%	Male
160108	Electronics	136	1,814	1,950	7.0%	93.0%	Male
160109	Alternative Energy I	2	31	33	6.1%	93.9%	Male
160110	Air-Water Analysis	27	69	96	28.1%	71.9%	Integrated
160111	Industrial Lab Technician	6	79	85	7.1%	92.9%	Male
160112	Industrial Instrumentation	10	105	115	8.7%	91.3%	Male
160113	Solar Energy Technology	8	106	114	7.0%	93.0%	Male
160181	Radio/TV Repair	5	102	107	4.7%	95.3%	Male
160182	Electric Musical Instrument	4	28	32	12.5%	87.5%	Male
160183	Electronics Technician	24	246	270	8.9%	91.1%	Male
160184	Avionics	3	78	81	3.7%	96.3%	Male
160185	Bio-Medical Equipment Technician	13	78	91	14.3%	85.7%	Male
160187	Mobile Communication	1	45	46	2.2%	97.8%	Male
160188	Electro-Mechanical Technician	19	218	237	8.0%	92.0%	Male
160189	Computer Technician	14	66	80	17.5%	82.5%	Male
160190	Television Elec System	2	34	36	5.6%	94.4%	Male
160191	Telephone Central Station	1	51	52	1.9%	98.1%	Male
160501	Chemical Laboratory Technician	50	42	92	54.3%	45.7%	Integrated
160510	Lab Tech Mangagement In Food	31	28	59	52.5%	47.5%	Integrated
160811	Cable Television Technician	1	104	105	1.0%	99.0%	Male
161002	Aviation Technology	8	53	61	13.1%	86.9%	Male
161203	Quality Control Technician	2	34	36	5.6%	94.4%	Male
161301	Mechanical Drafting Technician	147	775	922	15.9%	84.1%	Male
161401	Metallurgical/Powder	4	39	43	9.3%	90.7%	Male
161402	Nondestructive Testing	20	225	245	8.2%	91.8%	Male
161500	Energy Conservation	1	8	9	11.1%	88.9%	Male
162002	Fluid Power Technician	3	305	308	1.0%	99.0%	Male
162400	Optical Technology	41	42	83	49.4%	50.6%	Integrated
162700	Surveying Technology	3	44	47	6.4%	93.6%	Male
165001	Radio/TV Broadcasting	44	154	198	22.2%	77.8%	Integrated
165002	AV/TV Production Technician	13	55	68	19.1%	80.9%	Male
166000	Electrical Technology	2	41	43	4.7%	95.3%	Male
166001	Automated Packaging Machinery	1	53	54	1.9%	98.1%	Male
167000	Water-Waste Treatment	3	31	34	8.8%	91.2%	Male
TOTAL		780	5,935	6,715	11.6%	88.4%	

TRADE INDUSTRIAL

(TABLE 11, CONTINUED)

OE Code	Course	Female	Male	Total	% Female	% Male	Course Type
170100	Air Conditioning-Heating	3	409	412	0.7%	99.3%	Male
170200	Appliance Repair/Refrigeration	1	164	165	0.6%	99.4%	Male
170203	Vending Repair-Merchandise	3	90	93	3.2%	96.8%	Male
170301	Auto Body Rebuilding	11	997	1,008	1.1%	98.9%	Male
170302	Automotive Specialist	57	2,834	2,891	2.0%	98.0%	Male
170308	Parts Sales Management	33	330	363	9.1%	90.9%	Male
170312	Service Station	1	19	20	5.0%	95.0%	Male
170318	Motorcycle Mechanics	3	71	74	4.1%	95.9%	Male
170320	Auto Machinist	1	41	42	2.4%	97.6%	Male
170403	Aviation Mechanics	8	497	505	1.6%	98.4%	Male
170600	Office Machines Technician	4	83	87	4.6%	95.4%	Male
170700	Commercial Art	290	238	528	54.9%	45.1%	Integrated
170705	Technical Art-Illustration	13	12	25	52.0%	48.0%	Integrated
170708	Electric Motors	1	20	21	4.8%	95.2%	Male
170900	Photography	38	48	86	44.2%	55.8%	Integrated
171000	Construction Maintenance Mechanic	3	108	111	2.7%	97.3%	Male
171001	Carpentry	64	1,074	1,138	5.6%	94.4%	Male
171002	Construction Electrician	20	693	713	2.8%	97.2%	Male
171003	Heavy Equipment Operation/Maintenance	2	146	148	1.4%	98.6%	Male
171004	Bricklaying	1	51	52	1.9%	98.1%	Male
171005	Painting-Decorating	14	77	91	15.4%	84.6%	Male
171006	Pipefitting	1	14	15	6.7%	93.3%	Male
171007	Plumbing	1	111	112	0.9%	99.1%	Male
171083	Heavy Equipment Mechanic-Diesel	3	219	222	1.4%	98.6%	Male
171101	Building Electrical	3	283	286	1.0%	99.0%	Male
171200	Diesel Mechanics	24	1,033	1,057	2.3%	97.7%	Male
171401	Electrical Maintenance	1	40	41	2.4%	97.6%	Male
171402	Lineman Electrician	0	107	107	0.0%	100.0%	Male
171900	Offset Printing	475	785	1,260	37.7%	62.3%	Integrated
171907	Photographic Technology	50	89	139	36.0%	64.0%	Integrated
172100	Robotics	4	62	66	6.1%	93.9%	Male
172102	Watch Repair	3	13	16	18.8%	81.3%	Male
172302	Tool-Die Making	60	1,828	1,888	3.2%	96.8%	Male
172303	Production Machines	2	50	52	3.8%	96.2%	Male
172305	Sheet Metal	3	133	136	2.2%	97.8%	Male
172306	Welding	43	1,278	1,321	3.3%	96.7%	Male
172309	Patternmaking	3	37	40	7.5%	92.5%	Male
172700	Fiberglass Lamination	2	64	66	3.0%	97.0%	Male
172802	Law Enforcement	65	410	475	13.7%	86.3%	Male
173100	Marine-Small Engine Mechanic	8	381	389	2.1%	97.9%	Male
173110	Marine Engines	1	37	38	2.6%	97.4%	Male
173200	Total Energy	0	57	57	0.0%	100.0%	Male
173601	Cabinet Making	19	209	228	8.3%	91.7%	Male
173602	Wood Finishing	4	14	18	22.2%	77.8%	Integrated
173700	Gunsmithing	0	52	52	0.0%	100.0%	Male
173801	Musical String Instruments	3	16	19	15.8%	84.2%	Male
173802	Band Instrument Repair	7	24	31	22.6%	77.4%	Integrated
175500	Maintenance Mechanic	0	38	38	0.0%	100.0%	Male
176000	Water Well Drilling	1	14	15	6.7%	93.3%	Male
177050	Mobile Home Maintenance	0	56	56	0.0%	100.0%	Male
177600	Industrial Equipment Mechanic	0	18	18	0.0%	100.0%	Male
177601	Industrial Mechanics-Maintenance	0	84	84	0.0%	100.0%	Male
178801	Audio Visual Technology	38	223	261	14.6%	85.4%	Male
178803	Truck Driving	46	414	460	10.0%	90.0%	Male
179700	Sign Lettering-Design	20	17	37	54.1%	45.9%	Integrated
179800	Telephone Communication	7	78	85	8.2%	91.8%	Male
179900	Micro Computer Technician	12	39	51	23.5%	76.5%	Integrated
179960	Jewelry	14	23	37	37.8%	62.2%	Integrated
TOTAL		1,494	16,352	17,846	8.4%	91.6%	

TABLE 12, POST-SECONDARY VOCATIONAL TEACHERS & ADMINISTRATORS, 1983 - 84

AVTI	Vocational Instructors *				Vocational Related Instructors			
	# Female (FTE)	# Male (FTE)	Total (FTE)	% Female	# Female (FTE)	# Male (FTE)	Total (FTE)	% Female
Albert Lea	4.0	30.0	34.0	11.8%	3.0	2.4	5.4	55.6%
Alexandria	23.3	78.9	102.2	22.8%	4.0	7.0	11.0	36.4%
Anoka	46.0	75.1	121.1	38.0%	6.0	17.0	23.0	26.1%
Austin	12.0	32.7	44.7	26.8%	6.0	3.5	9.5	63.2%
Bemidji	10.6	20.4	31.0	34.2%	5.0	3.1	8.1	61.7%
Brainerd	16.6	24.2	40.8	40.7%	2.0	3.0	5.0	40.0%
Canby	3.0	24.9	27.9	10.8%	1.8	3.0	4.8	37.5%
Dakota County	22.2	75.6	97.8	22.7%	6.0	10.0	16.0	37.5%
Detroit Lakes	8.4	41.0	49.4	17.0%	2.0	5.0	7.0	28.6%
Duluth	19.6	46.0	65.6	29.9%	5.6	6.0	11.6	48.3%
East Grand Forks	17.0	14.4	31.4	54.1%	1.0	2.6	3.6	27.8%
Eveleth	8.0	14.0	22.0	36.4%	0.0	2.0	2.0	0.0%
Faribault	8.0	24.3	32.3	24.8%	0.0	2.6	2.6	0.0%
Granite Falls	5.2	21.4	26.6	19.5%	2.2	2.0	4.2	52.4%
Hennepin	29.4	128.5	157.9	18.6%	20.1	18.5	38.6	52.1%
Hibbing	7.0	28.0	35.0	20.0%	3.1	1.0	4.1	75.6%
Hutchinson	7.4	30.0	37.4	19.8%	6.9	4.0	10.9	63.3%
Jackson	3.0	32.0	35.0	8.6%	0.0	4.0	4.0	0.0%
Mankato	20.6	59.0	79.6	25.9%	3.0	9.0	12.0	25.0%
Minneapolis	36.2	68.0	104.2	34.7%	7.0	14.0	21.0	33.3%
Moorhead	17.2	41.4	58.6	29.4%	4.0	7.0	11.0	36.4%
916	24.9	58.5	83.4	29.9%	16.7	16.7	33.4	50.0%
Pine City	5.0	18.0	23.0	21.7%	1.0	4.0	5.0	20.0%
Pipestone	3.0	29.3	32.3	9.3%	2.0	3.6	5.6	35.7%
Red Wing	8.0	26.0	34.0	23.5%	1.6	2.5	4.1	39.0%
Rochester	33.2	29.1	62.3	53.3%	0.6	7.1	7.7	7.8%
St. Cloud	25.0	64.6	89.6	27.9%	5.0	5.0	10.0	50.0%
St. Paul	36.4	81.0	117.4	31.0%	12.0	32.9	44.9	26.7%
Staples	3.0	43.0	46.0	6.5%	1.0	7.0	8.0	12.5%
Thief River Falls	11.0	27.0	38.0	28.9%	1.0	5.0	6.0	16.7%
Wadena	4.0	30.0	34.0	11.8%	2.0	4.0	6.0	33.3%
Willmar	25.0	71.0	96.0	26.0%	6.7	13.0	19.7	34.0%
Winona	11.0	25.0	36.0	30.6%	3.0	2.0	5.0	60.0%
TOTAL	514.2	1,412.3	1,926.5	26.7%	141.3	229.5	370.8	38.1%

* Includes 7 curriculum areas

**Includes 7 curriculum areas and vocational related

(TABLE 12, CONTINUED)

Total Instructors **				Vocational Administration				AVTI
# Female (FTE)	# Male (FTE)	Total (FTE)	% Female	# Female (FTE)	# Male (FTE)	Total (FTE)	% Female	
7.0	32.4	39.4	17.8%	0.0	2.0	2.0	0.0%	Albert Lea
27.3	85.9	113.2	24.1%	0.0	3.0	3.0	0.0%	Alexandria
52.0	92.1	144.1	36.1%	1.0	1.0	2.0	50.0%	Anoka
18.0	36.2	54.2	33.2%	1.0	0.0	1.0	100.0%	Austin
15.6	23.5	39.1	39.9%	0.0	3.0	3.0	0.0%	Bemidji
18.6	27.2	45.8	40.6%	0.0	3.0	3.0	0.0%	Brainerd
4.8	27.9	32.7	14.7%	0.0	1.0	1.0	0.0%	Canby
28.2	85.6	113.8	24.8%	2.0	3.0	5.0	40.0%	Dakota County
10.4	46.0	56.4	18.4%	0.0	2.0	2.0	0.0%	Detroit Lakes
25.2	52.0	77.2	32.6%	1.0	3.0	4.0	25.0%	Duluth
18.0	17.0	35.0	51.4%	1.0	0.0	1.0	100.0%	East Grand Forks
8.0	16.0	24.0	33.3%	0.0	2.0	2.0	0.0%	Eveleth
8.0	26.9	34.9	22.9%	1.0	2.0	3.0	33.3%	Faribault
7.4	23.4	30.8	24.0%	0.0	3.0	3.0	0.0%	Granite Falls
49.5	147.0	196.5	25.2%	3.7	14.4	18.1	20.4%	Hennepin
10.1	29.0	39.1	25.8%	0.0	2.0	2.0	0.0%	Hibbing
14.3	34.0	48.3	29.6%	0.0	2.0	2.0	0.0%	Hutchinson
3.0	36.0	39.0	7.7%	0.0	2.0	2.0	0.0%	Jackson
23.6	68.0	91.6	25.8%	1.0	5.0	6.0	16.7%	Mankato
43.2	82.0	125.2	34.5%	2.0	7.0	9.0	22.2%	Minneapolis
21.2	48.4	69.6	30.5%	0.0	3.0	3.0	0.0%	Moorhead
41.6	75.2	116.8	35.6%	2.0	4.0	6.0	33.3%	916
6.0	22.0	28.0	21.4%	0.0	3.0	3.0	0.0%	Pine City
5.0	32.9	37.9	13.2%	1.0	1.0	2.0	50.0%	Pipestone
9.6	28.5	38.1	25.2%	1.0	2.0	3.0	33.3%	Red Wing
33.8	36.2	70.0	48.3%	1.0	2.3	3.3	30.3%	Rochester
30.0	69.6	99.6	30.1%	1.0	3.0	4.0	25.0%	St. Cloud
48.4	113.9	162.3	29.8%	3.0	5.0	8.0	37.5%	St. Paul
4.0	50.0	54.0	7.4%	0.0	1.0	1.0	0.0%	Staples
12.0	32.0	44.0	27.3%	0.0	2.0	2.0	0.0%	Thief River Falls
6.0	34.0	40.0	15.0%	0.0	3.0	3.0	0.0%	Wadena
31.7	84.0	115.7	27.4%	0.0	3.0	3.0	0.0%	Willmar
14.0	27.0	41.0	34.1%	0.0	3.0	3.0	0.0%	Winona
655.5	1,641.8	2,297.3	28.5%	22.7	95.7	118.4	19.2%	TOTAL

TABLE 13, POST-SECONDARY VOCATIONAL TEACHERS BY CURRICULUM AREA

CURRICULUM AREA	Instructors		Total (FTE)	% Female
	# Female (FTE)	# Male (FTE)		
AGRICULTURE	5.3	119.9	125.2	4.2%
DISTRIBUTION	41.8	102.5	144.3	29.0%
HEALTH	202.3	23.8	226.1	89.5%
HOME ECONOMICS	69.3	75.1	144.4	48.0%
BUSINESS & OFFICE	181.1	187.6	368.7	49.1%
TECHNICAL	6.0	236.4	242.4	2.5%
TRADE & INDUSTRIAL	8.4	667.0	675.4	1.2%
SUB-TOTAL	514.2	1412.3	1926.5	26.7%
VOCATIONAL RELATED	141.3	229.5	370.8	38.1%
TOTAL TEACHERS	655.5	1641.8	2297.3	28.5%
VOCATIONAL ADMINISTRATION	22.7	95.7	118.4	19.2%

TABLE 14, SALARIES AND TENURE BY CURRICULUM AREA, 1983-84

	Female		Male	
	Average Salary	Mean Yrs. Ser.	Average Salary	Mean Yrs. Ser.
AGRICULTURE	\$23,461	7.6	\$26,381	13.5
DISTRIBUTION	\$21,964	7.0	\$25,631	9.8
HEALTH	\$22,938	10.7	\$25,713	8.5
HOME ECONOMICS	\$23,084	10.9	\$26,891	10.6
BUSINESS & OFFICE	\$24,202	10.9	\$26,915	12.8
TECHNICAL	\$21,092	6.5	\$26,483	10.6
TRADE & INDUSTRIAL	\$22,714	3.9	\$26,705	11.4
TOTAL	\$23,304	10.3	\$26,583	11.4

TABLE 15, VOCATIONAL TEACHERS SALARIES AND TENURE, 1983-84

	Vocational Instructors				Vocational Related			
	Female		Male		Female		Male	
	Mean Salary	Mean Years Service	Mean Salary	Mean Years Service	Mean Salary	Mean Years Service	Mean Salary	Mean Years Service
AVTI								
Albert Lea	\$20,345	9.0	\$26,947	10.5	\$24,989	8.7	\$24,028	10.0
Alexandria	\$20,679	6.4	\$23,263	11.3	\$21,598	10.5	\$25,836	13.8
Anoka	\$20,472	8.6	\$29,442	11.2	\$28,018	18.2	\$34,156	17.8
Austin	\$19,592	7.8	\$24,499	13.2	\$16,465	10.3	\$27,231	10.8
Bemidji	\$21,246	9.4	\$23,405	11.5	\$21,095	7.1	\$27,961	15.8
Brainerd	\$19,916	9.0	\$26,436	11.6	\$19,256	9.5	\$34,999	24.7
Canby	\$18,893	6.7	\$24,766	13.6	\$20,640	15.0	\$31,646	20.2
Dakota County	\$22,344	7.2	\$24,605	8.3	\$22,114	18.2	\$26,832	9.6
Detroit Lakes	\$24,369	10.9	\$23,758	11.7	\$22,066	9.0	\$26,401	16.8
Duluth	\$21,597	13.4	\$23,465	14.1	\$24,343	15.2	\$30,734	25.6
East Grand Forks	\$16,373	10.2	\$23,053	18.5	\$21,844	14.0	\$25,984	14.7
Eveleth	\$22,175	11.7	\$23,485	8.9	*	*	\$29,019	23.3
Faribault	\$25,827	14.9	\$26,458	14.2	*	*	\$28,385	15.7
Granite Falls	\$22,088	9.2	\$24,180	10.6	\$18,086	15.0	\$30,030	23.0
Hennepin	\$25,951	7.7	\$29,951	9.8	\$20,788	6.0	\$31,600	15.5
Hibbing	\$25,678	10.5	\$25,019	7.2	\$29,582	13.0	\$31,241	14.0
Hutchinson	\$26,089	14.1	\$25,383	13.9	\$13,464	17.9	\$28,495	21.0
Jackson	\$11,418	9.7	\$25,748	14.9	*	*	\$31,646	23.8
Mankato	\$22,055	9.0	\$27,504	9.8	\$21,255	5.0	\$30,219	13.8
Minneapolis	\$30,452	9.5	\$30,998	10.6	\$27,380	13.0	\$33,898	22.3
Moorhead	\$23,679	11.7	\$27,442	11.6	\$29,517	16.5	\$30,849	17.1
916	\$24,106	9.2	\$26,711	8.9	\$22,479	7.4	\$28,290	9.8
Pine City	\$20,848	8.6	\$23,900	10.3	\$18,047	5.0	\$27,746	11.8
Pipestone	\$19,936	6.7	\$24,665	12.2	\$17,919	19.0	\$24,967	11.5
Red Wing	\$24,350	10.3	\$25,775	8.2	\$28,744	19.0	\$26,792	12.2
Rochester	\$24,703	15.4	\$25,722	14.3	\$27,050	15.0	\$30,166	24.0
St. Cloud	\$24,164	12.4	\$27,647	12.4	\$26,307	11.4	\$35,399	24.0
St. Paul	\$26,010	12.4	\$28,037	12.3	\$23,709	10.2	\$32,032	18.3
Staples	\$13,558	6.3	\$26,228	7.2	\$18,877	3.0	\$27,273	16.9
Thief River Falls	\$22,069	11.8	\$25,940	15.7	\$17,855	11.0	\$26,763	10.6
Wadena	\$22,500	9.3	\$23,103	8.9	\$12,458	3.5	\$23,528	12.3
Willmar	\$24,885	12.2	\$29,027	16.5	\$23,194	9.8	\$31,055	18.4
Winona	\$24,514	9.9	\$25,767	10.3	\$24,335	7.0	\$32,906	23.0
TOTAL	\$23,304	10.3	\$26,583	11.4	\$22,354	10.8	\$30,230	17.1

(TABLE 15, CONTINUED)

Total Vocational				Vocational Administration				AVTI
Female		Male		Female		Male		
Mean Salary	Mean Years Service	Mean Salary	Mean Years Service	Mean Salary	Mean Years Service	Mean Salary	Mean Years Service	
\$22,335	8.9	\$26,731	10.5	*	*	\$40,100	22.0	Albert Lea
\$20,813	7.0	\$23,473	11.5	*	*	\$38,800	20.0	Alexandria
\$21,343	9.7	\$30,312	12.4	\$43,575	21.0	\$39,600	20.0	Anoka
\$18,550	8.7	\$24,763	13.0	\$42,000	15.0	*	*	Austin
\$21,197	8.7	\$24,006	12.1	*	*	\$32,607	18.0	Bemidji
\$19,845	9.0	\$27,381	13.0	*	*	\$38,795	21.3	Brainerd
\$19,548	9.8	\$25,506	14.3	*	*	\$40,345	34.0	Canby
\$22,295	9.6	\$24,865	8.5	\$33,311	17.0	\$40,043	12.3	Dakota County
\$23,926	10.5	\$24,046	12.2	*	*	\$39,024	27.5	Detroit Lakes
\$22,207	13.8	\$24,304	15.4	\$25,828	11.0	\$40,283	30.7	Duluth
\$16,676	10.4	\$23,502	17.9	\$31,462	17.0	*	*	East Grand Forks
\$22,175	11.7	\$24,177	10.7	*	*	\$34,031	19.5	Eveleth
\$25,827	14.9	\$26,644	14.4	\$18,100	3.0	\$38,575	15.0	Faribault
\$20,898	11.0	\$24,680	11.6	*	*	\$35,689	24.3	Granite Falls
\$23,855	7.0	\$30,158	10.5	\$38,697	17.0	\$40,571	17.3	Hennepin
\$26,876	11.2	\$25,234	7.5	*	*	\$39,817	38.0	Hibbing
\$19,997	15.9	\$25,749	14.7	*	*	\$39,939	26.0	Hutchinson
\$11,418	9.7	\$26,362	15.8	*	*	\$38,313	30.0	Jackson
\$21,954	8.5	\$27,864	10.3	\$17,474	7.0	\$33,548	11.2	Mankato
\$29,954	10.1	\$31,493	12.6	\$34,228	11.3	\$43,242	24.0	Minneapolis
\$24,781	12.6	\$27,935	12.4	*	*	\$40,145	21.3	Moorhead
\$23,453	8.5	\$27,062	22.7	\$39,039	11.5	\$39,558	14.8	916
\$20,381	8.0	\$24,600	10.6	*	*	\$35,169	15.0	Pine City
\$19,129	11.6	\$24,698	12.1	\$19,885	17.0	\$37,595	37.0	Pipestone
\$25,082	11.8	\$25,865	8.6	\$38,200	34.0	\$39,775	27.5	Red Wing
\$24,745	15.4	\$26,594	16.2	\$40,550	20.0	\$45,258	30.0	Rochester
\$24,521	12.3	\$28,204	13.3	\$41,180	17.0	\$43,567	19.0	St. Cloud
\$25,457	11.9	\$29,191	14.0	\$40,090	22.0	\$44,483	30.0	St. Paul
\$14,888	5.5	\$26,375	8.5	*	*	\$33,680	3.0	Staples
\$21,717	12.8	\$26,069	16.4	*	*	\$35,404	25.5	Thief River Falls
\$19,153	7.4	\$23,153	9.3	*	*	\$36,443	24.0	Wadena
\$24,528	11.7	\$29,341	16.8	*	*	\$40,200	27.7	Willmar
\$24,475	9.3	\$26,296	11.3	*	*	\$36,469	17.0	Winona
\$23,099	10.4	\$27,092	12.8	\$35,016	16.3	\$39,239	21.5	TOTAL

TABLE 16, DROPOUT AND COMPLETION RATES OF AVTI STUDENTS

	Total #	LEAVERS		DROPOUT RATE		COMPLETION RATE		PLACED RELATED	
		% Female	% Male	Female	Male	Female	Male	Female	Male
TOTAL AGRICULTURE	1,250	14.9%	85.1%	35.5%	24.0%	64.5%	76.0%	89.2%	94.1%
TOTAL DISTRIBUTION	1,983	57.7%	42.3%	30.6%	35.8%	69.4%	64.2%	91.0%	93.2%
TOTAL HEALTH	3,840	85.8%	14.2%	17.1%	21.7%	82.9%	78.3%	85.8%	78.3%
TOTAL HOME ECONOMICS	2,527	58.6%	41.4%	25.4%	29.1%	74.6%	70.9%	89.1%	90.5%
TOTAL BUSINESS & OFFICE	6,627	78.8%	21.2%	31.2%	45.6%	68.8%	54.4%	85.4%	79.4%
TOTAL TECHNICAL	3,147	12.7%	87.3%	33.8%	31.9%	66.2%	68.1%	85.7%	84.7%
TOTAL TRADE INDUSTRIAL	9,605	7.7%	92.3%	34.9%	30.2%	65.1%	69.8%	87.9%	87.4%
Total	28,979	43.0%	57.0%	27.1%	31.3%	72.9%	68.7%	86.7%	87.1%

DEFINITIONS

All data in this report are from the Minnesota Department of Vocational 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 an AVTI on that date, and does not control for the amount of time a student is enrolled.

Course or 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 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 an AVTI that are dropouts.

Completion Rate. The percentage of male or female students who leave an AVTI that have completed their course of study.