

DOCUMENT RESUME

ED 110 823

CE 004 647

TITLE Report of Biographical Information on People Who Enrolled in the Full-Time Day Programs of the Minnesota Area Vocational-Technical Institutes Between July 1, 1972 and June 30, 1973. Summary of All Enrollees: Across the State.

INSTITUTION Minnesota Univ., Minneapolis. Vocational Follow-Up System.

PUB DATE Nov 73

NOTE 32p.; For related documents, see CE 004 648-9

EDRS PRICE MF-\$0.76 HC-\$1.95 Plus Postage

DESCRIPTORS \*Area Vocational Schools; \*Biographical Inventories; Curriculum Design; Day Students; Enrollment Rate; Occupational Clusters; Post Secondary Education; State Surveys; \*Student Characteristics; \*Student Enrollment; \*Tables (Data); Technical Institutes

IDENTIFIERS \*Minnesota

ABSTRACT

One of a series of reports summarizing data on students in the full-time day postsecondary programs of the Minnesota area vocational-technical institutes, the report features biographical data gathered from students enrolled between July 1, 1972 and June 30, 1973. Data presented include age, sex, marital status, geographical location, information about family occupations and income, students' prior education and work experience, and curriculum area in which enrolled. Appendixes give the system curriculum guide of broad occupational clusters and curriculum area for specific programs, and a list of the counties in Minnesota's 11 economic regions. (MF)

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SUMMARY OF ALL ENROLLEES:

ACROSS THE STATE

## FOREWORD

This report is one of a series of reports which summarize biographical information gathered from students enrolled in the full-time day programs of the Area Vocational-Technical Institutes of Minnesota. It should be useful in better understanding the population of people attending the institutes.

The Vocational Follow-Up System gathers biographical data on students enrolled in the Area Vocational-Technical Institutes, data on the progress of the students through the programs of the area institutes, and follow-up data on graduates about one year after graduation. The enrollee biographical data provide information concerning the population of people being served by the area institutes. The biographical data also provide the basic information necessary to follow up students in the future. The data on the progress of students through the training programs provide information concerning the number of enrollees who withdrew, changed programs, completed training objectives or graduated from the programs they entered. The follow-up data provide information on what happens to individuals in the world of work after they leave the training programs.

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INTERPRETATION OF TABLES

This report features biographical data gathered from students who enrolled in full-time, day programs offered by the Area Vocational-Technical Institutes of Minnesota between July 1, 1972 and June 30, 1973. The data were taken from the Enrollee Information Forms which were to be completed by all students upon enrollment in full-time, day programs. The tables included in this report serve the purpose of describing the clientele being served by these programs and should be valuable in planning, operating, and modifying the programs.

Table X, "Sex of Enrollees," is an example of the tables presented in this report. It does not contain information concerning a real program.

TABLE X - SEX OF ENROLLEES

C A T E G O R Y	NUMBER	PERCENT
1. FEMALE	2297	34.79
2. MALE	4306	65.21
DID NOT RESPOND	27	-----
T O T A L S	6603	100.00

The number of enrollees who indicated they were female and the number who indicated they were male are indicated in the column labeled "Number." The percentage of the total number of enrollees who indicated they were female and the percentage of those who indicated they were male are indicated in the column labeled "Percent." Those who did not respond to the question are indicated but they are not included in the calculation of the percentages. Therefore, in this sample table 2297 of the 6603 enrollees who responded, or 34.79 percent, indicated they were female; and 4306 of the 6603, or 65.21 percent, indicated they were male. Twenty-seven of the 6603 did not respond to this item on the Enrollee Information Form. In the row labeled "Totals," the percentage should equal 100; but in some instances the total may be slightly larger or smaller, due to decimal rounding.

A clear distinction ought to be made between those tables which utilize "Did Not Respond" categories and those tables (9 and 13) which utilize "Did Not Indicate" categories. Both number and percentage are calculated for Table 9 - "Did Not Indicate a Handicap" and Table 13 - "Did Not Indicate Prior Experience."

LIST OF TABLES

1. AGE OF ENROLLEES
2. SEX OF ENROLLEES
3. MARITAL STATUS OF ENROLLEES
4. GEOGRAPHIC LOCATIONS OF ENROLLEES' PERMANENT ADDRESSES
5. OCCUPATIONS OF PARENTS OR GUARDIANS OF ENROLLEES
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11. YEARS OF PRIOR SCHOOLING COMPLETED BY ENROLLEES
12. NUMBER OF ENROLLEES WITH PRIOR VOCATIONAL TRAINING (REPORTED AS TRAINING RELATED TO PROGRAM IN WHICH ENROLLED, SOME RELATED AND SOME UNRELATED PRIOR TRAINING, TRAINING UNRELATED TO PROGRAM IN WHICH ENROLLED, AND NO PRIOR VOCATIONAL TRAINING)
13. PRIOR WORK EXPERIENCE OF ENROLLEES
14. ACTIVITY IN WHICH ENROLLEES SPENT THE MOST TIME DURING THE YEAR PRIOR TO ENROLLMENT
15. NUMBER OF ENROLLEES WHO REPORTED THEY WERE ENROLLED IN EACH CURRICULUM AREA
16. NUMBER OF ENROLLEES WHO REPORTED THEY WERE ENROLLED IN EACH AVTI

## DETAILED DESCRIPTIONS OF TABLES

### TABLE 1 - AGE OF ENROLLEES

Table 1 presents the numbers of enrollees in different age categories.

### TABLE 2 - SEX OF ENROLLEES

Table 2 presents the number of enrollees of each sex.

### TABLE 3 - MARITAL STATUS OF ENROLLEES

Table 3 indicates the number of enrollees in each of the marital status categories: single, married, and other.

### TABLE 4 - GEOGRAPHIC LOCATIONS OF ENROLLEES' PERMANENT ADDRESSES

Table 4 presents a description of the geographic locations of the permanent addresses of enrollees. The geographic locations are categorized into categories representing the eleven economic regions (see Appendix B), surrounding states, and other states and countries.

### TABLE 5 - OCCUPATIONS OF PARENTS OR GUARDIANS OF ENROLLEES

Table 5 indicates the numbers of enrollees' parents or guardians who were employed in various occupational classifications. Each enrollee listed one parent or guardian's occupation. The occupational categories are: (1) professional, technical, and related; (2) managers, officials, proprietors; (3) clerical and related; (4) sales workers; (5) craftsmen; (6) operatives, including mine workers; (7) service workers; (8) laborers, except farm and mine workers; (9) farmers and farm workers; (10) retired; (11) housewife; and (12) unable to categorize. The "unable to categorize" category includes parents or guardians who were deceased, disabled, or unemployed as well as those who could not be placed in a category.

### TABLE 6 - INCOMES OF HOUSEHOLDS IN WHICH ENROLLEES LIVED LAST YEAR

Table 6 indicates the numbers of enrollees who lived in households with various annual incomes during the year prior to enrollment. The income categories are: (1) under \$3,000, (2) \$3,000 - \$4,999, (3) \$5,000 - \$8,000, and (4) over \$8,000.

### TABLE 7 - NUMBERS OF PEOPLE IN HOUSEHOLDS IN WHICH ENROLLEES LIVED LAST YEAR

Table 7 presents information on the numbers of people residing in the households in which enrollees lived last year. For each category (number of people in the household) the table indicates the number of enrollees who lived in a household of that size.



TABLE 8 - NUMBER OF ENROLLEES CATEGORIZED  
ACCORDING TO LAST YEAR'S INCOME OF THE HOUSEHOLD IN WHICH THEY LIVED  
AND THE NUMBER OF PEOPLE LIVING IN THE HOUSEHOLD

Table 8 presents information derived from Tables 6 and 7. The numbers of enrollees are categorized in terms of last year's income of the household in which they lived and the number of people living in the household.

TABLE 9 - ENROLLEES WITH HANDICAPS

Table 9 presents the numbers of enrollees with various types of reported handicaps. The types of handicaps are categorized as: deaf, hard of hearing (need hearing aid), speech impaired (stutter, etc.), blind (20/200 or less in better eye after correction), partially sighted (20/200 - 20/70 in better eye after correction), physically impaired (crippled, heart condition, etc.), and more than one of the previously mentioned handicaps. Information on mental and emotional handicaps was not collected and is therefore not reported.

TABLE 10 - ENROLLEES WITH HIGH SCHOOL DIPLOMA OR EQUIVALENT

Table 10 indicates the numbers of enrollees who stated they did or did not have high school diplomas or the equivalent. One indicator of educational disadvantage as indicated in the State Plan for Vocational-Technical Education is the lack of a high school diploma or its equivalent.

TABLE 11 - YEARS OF PRIOR SCHOOLING COMPLETED BY ENROLLEES

Table 11 indicates the number of enrollees who completed a specific number of years of school.

TABLE 12 - NUMBER OF ENROLLEES WITH PRIOR VOCATIONAL TRAINING  
(REPORTED AS TRAINING RELATED TO PROGRAM IN WHICH ENROLLED,  
SOME RELATED AND SOME UNRELATED PRIOR TRAINING,  
TRAINING UNRELATED TO PROGRAM IN WHICH ENROLLED,  
AND NO PRIOR VOCATIONAL TRAINING)

Table 12 indicates the number and percent of enrollees who had prior high school and post-high school vocational training. Both high school and post-high school vocational training are subdivided into five classifications: (1) the number and percent of enrollees who indicated they had received prior vocational training related to the programs in which enrolled, (2) the number and percent of enrollees who indicated they had received both some related and some unrelated prior vocational training, (3) the number and percent who indicated they had received prior vocational training unrelated to the programs in which enrolled, (4) the number and percent who indicated no prior vocational training, and (5) the number and percent of enrollees who did not respond.

In interpreting this table it is important to note that it was left to the enrollee to define whether the training was vocational and whether it was related to the program in which he enrolled.

TABLE 13 - PRIOR WORK EXPERIENCE OF ENROLLEES

Table 13 presents a classification of months of work experience obtained by enrollees before entering the Area Vocational-Technical Institutes. Prior work experience is categorized as either full or part-time (full-time = 35 or more hours per week) and as related or unrelated to training. (The enrollee decided if the experience was related.)

TABLE 14 - ACTIVITY IN WHICH ENROLLEES SPENT THE MOST TIME DURING THE YEAR PRIOR TO ENROLLMENT

Table 14 indicates the activity status of enrollees in terms of how they spent most of the year prior to enrolling in a program. For each activity category, the number and percentage of enrollees who spent most of the previous year engaged in that activity are indicated.

TABLE 15 - NUMBER OF ENROLLEES WHO REPORTED THEY WERE ENROLLED IN EACH CURRICULUM AREA

Table 15 presents the number of new enrollees who reported they were enrolled in a particular vocational education curriculum area. The broad occupational areas, the curriculum areas within each broad occupational area, and the specific programs offered by the Area Vocational-Technical Institutes (which are included within each of the curriculum areas) are indicated in Appendix A.

TABLE 16 - NUMBER OF ENROLLEES WHO REPORTED THEY WERE ENROLLED IN EACH AVTI

Table 16 presents the number of new enrollees who indicated they were enrolled in each of the Area Vocational-Technical Institutes included in this report.

TABLE 1-AGE OF ENROLLEES

C A T E G O R Y	NUMBER	PERCENT
1. LESS THAN 17 YEARS OF AGE . . . . .	44	0.24
2. 17 . . . . .	1539	8.36
3. 18 . . . . .	7499	40.71
4. 19 . . . . .	3014	16.36
5. 20 . . . . .	1773	9.63
6. 21 . . . . .	766	4.16
7. 22 . . . . .	730	3.96
8. 23 . . . . .	673	3.65
9. 24 . . . . .	552	3.00
10. 25 . . . . .	327	1.78
11. GREATER THAN 25 . . . . .	1503	8.16
DID NOT RESPOND . . . . .	310	**
T O T A L S	18730	100.01

TABLE 2-SEX OF ENROLLEES

C A T E G O R Y	NUMBER	PERCENT
1. FEMALE . . . . .	7179	38.33
2. MALE . . . . .	11551	61.67
DID NOT RESPOND . . . . .	0	**
T O T A L S	18730	100.00

TABLE 3-MARITAL STATUS OF ENROLLEES

C A T E G O R Y	NUMBER	PERCENT
1. SINGLE . . . . .	15155	82.12
2. MARRIED . . . . .	2817	15.26
3. OTHER . . . . .	482	2.61
DID NOT RESPOND . . . . .	276	**
T O T A L S	18730	99.99

TABLE 4-GEOGRAPHIC LOCATION OF ENROLLEES PERMANENT ADDRESS

C A T E G O R Y	NUMBER	PERCENT
1. MINNESOTA ECONOMIC REGION 1 . . . . .	492	2.63
2. MINNESOTA ECONOMIC REGION 2 . . . . .	358	1.91
3. MINNESOTA ECONOMIC REGION 3 . . . . .	1492	7.97
4. MINNESOTA ECONOMIC REGION 4 . . . . .	1323	7.06
5. MINNESOTA ECONOMIC REGION 5 . . . . .	1056	5.64
6. MINNESOTA ECONOMIC REGION 6 . . . . .	1131	6.04
7. MINNESOTA ECONOMIC REGION 7 . . . . .	1592	8.50
8. MINNESOTA ECONOMIC REGION 8 . . . . .	991	5.29
9. MINNESOTA ECONOMIC REGION 9 . . . . .	1326	7.08
10. MINNESOTA ECONOMIC REGION 10 . . . . .	1835	9.80
11. MINNESOTA ECONOMIC REGION 11 . . . . .	6746	36.02
12. IOWA . . . . .	70	0.37
13. NORTH DAKOTA . . . . .	83	0.44
14. SOUTH DAKOTA . . . . .	85	0.45
15. WISCONSIN . . . . .	102	0.54
16. OTHER STATES - COUNTRIES . . . . .	45	0.24
DID NOT RESPOND . . . . .	3	**
T O T A L S	18730	99.98

TABLE 5-OCCUPATIONS OF PARENT OR GUARDIAN OF ENROLLEES

C A T E G O R Y	NUMBER	PERCENT
1. PROFESSIONAL, TECHNICAL AND RELATED	1554	9.10
2. MANAGERS, OFFICIALS, PROPRIETORS . . .	1613	9.45
3. CLERICAL AND RELATED . . . . .	973	5.70
4. SALES WORKERS . . . . .	769	4.50
5. CRAFTSMAN . . . . .	3252	19.05
6. OPERATIVES, INCLUDING MINE WORKERS	1811	10.61
7. SERVICE WORKERS . . . . .	1107	6.48
8. LABORERS, NOT FARM AND MINE WORKERS	726	4.25
9. FARMERS AND FARM WORKERS . . . . .	2966	17.37
10. RETIRED . . . . .	805	4.72
11. HOUSEWIFE . . . . .	555	3.25
12. UNABLE TO CATEGORIZE . . . . .	941	5.51
DID NOT RESPOND . . . . .	1658	**
T O T A L S	18730	99.99

TABLE 6-INCOME OF HOUSEHOLDS IN WHICH ENROLLEES LIVED LAST YEAR

C A T E G O R Y	NUMBER	PERCENT
1. UNDER 3,000 . . . . .	2202	13.17
2. 3,000 - 4,999 . . . . .	3093	18.50
3. 5,000 - 8,000 . . . . .	5076	30.36
4. OVER 8,000 . . . . .	6349	37.97
DID NOT RESPOND . . . . .	2010	**
T O T A L S	18730	100.00

TABLE 7-NUMBER OF PEOPLE IN HOUSEHOLDS  
IN WHICH ENROLLEES LIVED LAST YEAR

C A T E G O R Y	NUMBER	PERCENT
1. 1 PERSON . . . . .	775	4.33
2. 2 PEOPLE . . . . .	1608	8.98
3. 3 PEOPLE . . . . .	3153	17.62
4. 4 PEOPLE . . . . .	3457	19.32
5. 5 PEOPLE . . . . .	3068	17.14
6. 6 PEOPLE . . . . .	2263	12.64
7. 7 PEOPLE . . . . .	1410	7.88
8. 8 PEOPLE . . . . .	936	5.23
9. 9 PEOPLE . . . . .	496	2.77
10. 10 OR MORE PEOPLE . . . . .	731	4.08
DID NOT RESPOND . . . . .	833	**
T O T A L S	18730	99.99

TABLE 8-NUMBER OF ENROLLEES CATEGORIZED ACCORDING TO LAST YEARS INCOME OF THE HOUSEHOLD IN WHICH THEY LIVED AND THE NUMBER OF PEOPLE LIVING IN THE HOUSEHOLD

C A T E G O R Y	NUMBER	PERCENT
1. UNDER 3,000-1 PERSON IN HOUSEHOLD	387	2.36
2. UNDER 3,000-2 PEOPLE IN HOUSEHOLD	448	2.74
3. UNDER 3,000-3 PEOPLE IN HOUSEHOLD	442	2.70
4. UNDER 3,000-4 PEOPLE IN HOUSEHOLD	286	1.75
5. UNDER 3,000-5 PEOPLE IN HOUSEHOLD	176	1.08
6. UNDER 3,000-6 PEOPLE IN HOUSEHOLD	133	0.81
7. UNDER 3,000-7 PEOPLE IN HOUSEHOLD	81	0.49
8. UNDER 3,000-8 PEOPLE IN HOUSEHOLD	57	0.35
9. UNDER 3,000-9 PEOPLE IN HOUSEHOLD	28	0.17
10. UNDER 3,000-10 OR MORE PEOPLE . . .	49	0.30
11. 3,000-4,999 - 1 PERSON IN HOUSEHOLD	211	1.29
12. 3,000-4,999 - 2 PEOPLE IN HOUSEHOLD	408	2.49
13. 3,000-4,999 - 3 PEOPLE IN HOUSEHOLD	670	4.09
14. 3,000-4,999 - 4 PEOPLE IN HOUSEHOLD	555	3.39
15. 3,000-4,999 - 5 PEOPLE IN HOUSEHOLD	400	2.44
16. 3,000-4,999 - 6 PEOPLE IN HOUSEHOLD	303	1.85
17. 3,000-4,999 - 7 PEOPLE IN HOUSEHOLD	184	1.12
18. 3,000-4,999 - 8 PEOPLE IN HOUSEHOLD	118	0.72
19. 3,000-4,999 - 9 PEOPLE IN HOUSEHOLD	58	0.35
20. 3,000-4,999 - 10 OR MORE PEOPLE . .	102	0.62
21. 5,000-8,000 - 1 PERSON IN HOUSEHOLD	118	0.72
22. 5,000-8,000 - 2 PEOPLE IN HOUSEHOLD	440	2.69
23. 5,000-8,000 - 3 PEOPLE IN HOUSEHOLD	919	5.61
24. 5,000-8,000 - 4 PEOPLE IN HOUSEHOLD	987	6.03
25. 5,000-8,000 - 5 PEOPLE IN HOUSEHOLD	825	5.04
26. 5,000-8,000 - 6 PEOPLE IN HOUSEHOLD	637	3.89

(TABLE CONTINUED ON NEXT PAGE)

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27. 5,000-8,000 - 7 PEOPLE IN HOUSEHOLD	419	2.56
28. 5,000-8,000 - 8 PEOPLE IN HOUSEHOLD	300	1.83
29. 5,000-8,000 - 9 PEOPLE IN HOUSEHOLD	160	0.98
30. 5,000-8,000 - 10 OR MORE PEOPLE . .	193	1.18
31. OVER 8,000-1 PERSON IN HOUSEHOLD . .	43	0.26
32. OVER 8,000-2 PEOPLE IN HOUSEHOLD . .	243	1.48
33. OVER 8,000-3 PEOPLE IN HOUSEHOLD . .	911	5.57
34. OVER 8,000-4 PEOPLE IN HOUSEHOLD . .	1336	8.16
35. OVER 8,000-5 PEOPLE IN HOUSEHOLD . .	1355	8.28
36. OVER 8,000-6 PEOPLE IN HOUSEHOLD . .	961	5.87
37. OVER 8,000-7 PEOPLE IN HOUSEHOLD . .	555	3.39
38. OVER 8,000-8 PEOPLE IN HOUSEHOLD . .	364	2.22
39. OVER 8,000-9 PEOPLE IN HOUSEHOLD . .	199	1.22
40. OVER 8,000-10 OR MORE PEOPLE . . . .	307	1.88
DID NOT RESPOND . . . . .	2362	**
-----		
T O T A L S	18730	99.97

TABLE 9-ENROLLEES WITH HANDICAPS

C A T E G O R Y	NUMBER	PERCENT
-----		
1. DEAF ONLY . . . . .	54	0.29
2. HARD OF HEARING ONLY . . . . .	94	0.50
3. SPEECH IMPAIRED ONLY . . . . .	96	0.51
4. BLIND ONLY . . . . .	38	0.20
5. PARTIALLY SIGHTED ONLY . . . . .	471	2.51
6. PHYSICALLY IMPAIRED ONLY . . . . .	462	2.47
7. MORE THAN ONE OF ABOVE HANDICAPS . .	55	0.29
DID NOT INDICATE A HANDICAP . . . . .	17460	93.22
-----		
T O T A L S	18730	99.99



TABLE 10-ENROLLEES WITH HIGH SCHOOL DIPLOMA OR EQUIVALENT

C A T E G O R Y	N U M B E R	P E R C E N T
1. HAVE H.S. DIPLOMA OR EQUIVALENT . .	17509	94.81
2. HAVE NO H.S. DIPLOMA OR EQUIVALENT	958	5.19
DID NOT RESPOND . . . . .	263	**
T O T A L S	18730	100.00

TABLE 11-YEARS OF PRIOR SCHOOLING COMPLETED BY ENROLLEES

C A T E G O R Y	N U M B E R	P E R C E N T
1. 8 OR LESS YEARS . . . . .	83	0.45
2. 9 YEARS . . . . .	309	1.68
3. 10 YEARS . . . . .	432	2.35
4. 11 YEARS . . . . .	449	2.44
5. 12 YEARS . . . . .	13848	75.23
6. 13 YEARS . . . . .	2269	12.33
7. 14 YEARS . . . . .	713	3.87
8. MORE THAN 14 YEARS . . . . .	304	1.65
DID NOT RESPOND . . . . .	323	**
T O T A L S	18730	100.00

TABLE 12-NUMBER OF ENROLLEES WITH PRIOR VOCATIONAL TRAINING  
(REPORTED AS TRAINING RELATED TO PROGRAM IN WHICH ENROLLED,  
SOME RELATED AND SOME UNRELATED PRIOR TRAINING,  
TRAINING UNRELATED TO PROGRAM IN WHICH ENROLLED,  
AND NO PRIOR VOCATIONAL TRAINING)

I T E M		REL.	REL./ UNREL.	UNREL.	NONE	NO RESP.	TOTALS
1. HIGH SCHOOL VOC. TRAINING	NO.	3434	21	1516	12304	1455	18730
	PCT.	19.88	0.12	8.78	71.22	**	99.98
2. POST HIGH SCHOOL VOC. TRAINING	NO.	1290	5	1002	14900	1533	18730
	PCT.	7.50	0.03	5.83	86.64	**	99.98

TABLE 13-PRIOR WORK EXPERIENCE OF ENROLLEES

I T E M		1-6 MOS.	7-12 MOS.	13-24 MOS.	25-36 MOS.	36+ MOS.	NO RESP.	TOTALS
1. FULL-TIME WORK EXP./ RELATED	NO.	1010	586	515	275	369	15975	18730
	PCT.	5.39	3.13	2.75	1.47	1.97	85.29	99.97
2. FULL TIME WORK EXP./ UNRELATED	NO.	2771	1584	1318	679	1300	11078	18730
	PCT.	14.79	8.46	7.04	3.63	6.94	59.15	99.97
3. PART-TIME WORK EXP./ RELATED	NO.	1036	740	479	211	148	16116	18730
	PCT.	5.53	3.95	2.56	1.13	0.79	86.04	99.98
4. PART-TIME WORK EXP./UNRELATED	NO.	2401	1860	1856	1018	635	10960	18730
	PCT.	12.82	9.93	9.91	5.44	3.39	58.52	99.97

TABLE 14-ACTIVITY IN WHICH ENROLLEES SPENT THE MOST TIME DURING THE YEAR PRIOR TO ENROLLMENT

C A T E G O R Y	NUMBER	PERCENT
1. EMPLOYED . . . . .	5328	29.16
2. GOING TO SCHOOL . . . . .	9887	54.10
3. MILITARY . . . . .	963	5.27
4. UNEMPLOYED, LOOKING FOR WORK . . . . .	1247	6.82
5. OTHER . . . . .	849	4.65
DID NOT RESPOND . . . . .	456	**
T O T A L S	18730	100.00

TABLE 15-NUMBER OF ENROLLEES WHO REPORTED THEY  
WERE ENROLLED IN EACH CURRICULUM AREA

C A T E G O R Y	NUMBER	PERCENT
1. ACCOUNTING (45) (901) . . . . .	924	4.93
2. AGRI-BUSINESS (50) (902) . . . . .	80	0.43
3. AGRI-TECHNOLOGY (37) (902) . . . . .	81	0.43
4. AIRCRAFT MECHANICS (18) (923) . . . . .	198	1.06
5. AIR TRAFFIC CONTROL (81) (937) . . . . .	25	0.13
6. ARCHITECTURAL DRAFTING (09) (908) . . . . .	371	1.98
7. AUDIO-VISUAL TECHNOLOGY (79) (915) . . . . .	52	0.28
8. AUTO BODY REPAIR (75) (923) . . . . .	490	2.62
9. AUTOMOTIVE (06) (923) . . . . .	1138	6.08
10. AUTOMOTIVE MACHINIST (86) (923) . . . . .	17	0.09
11. BAKERY PROCEDURES (31) (913) . . . . .	63	0.34
12. BANK TELLER (88) (901) . . . . .	35	0.19
13. BARBERING (24) (916) . . . . .	18	0.10
14. BRICKLAYING (28) (925) . . . . .	21	0.11
15. BROADCASTING (63) (904) . . . . .	56	0.30
16. BUTCHER AND MEAT CUTTING (62) (913) . . . . .	115	0.61
17. CABINETMAKING (20) (941) . . . . .	92	0.49
18. CARPENTRY (04) (941) . . . . .	435	2.32
19. CHEFS, COOKS AND FOOD MGMT. (15) (913) . . . . .	595	3.18
20. CHEMICAL TECHNOLOGY (77) (920) . . . . .	68	0.36
21. CHILD DEVELOPMENT ASST. (66) (917) . . . . .	174	0.93
22. CLERICAL TRAINING (47) (901) . . . . .	1022	5.46
23. COMMERCIAL ART (68) (903) . . . . .	220	1.17
24. CONST./MECH. TRADES (92) (934) . . . . .	26	0.14
25. CONSTRUCTION WORKER (78) (906) . . . . .	47	0.25
26. CONSERVATION AND FORESTRY (61) (914) . . . . .	45	0.24
27. COSMETOLOGY (17) (916) . . . . .	390	2.08

(TABLE CONTINUED ON NEXT PAGE)

## (TABLE CONTINUED FROM PREVIOUS PAGE)

28. CUSTODIAL WORKER (71)(907) . . . . .	18.	0.10
29. DATA PROCESSING (49)(901) . . . . .	291	1.55
30. DENTAL ASSISTANT (33)(917) . . . . .	261	1.39
31. DIESEL MECHANICS (10)(923) . . . . .	487	2.60
32. DRY CLEANING AND LAUNDRY (89)(905)	4	0.02
33. EDUCATIONAL AIDE (76)(909) . . . . .	39	0.21
34. ELECTRO-MECHANICAL TECH. (40)(911)	173	0.92
35. ELECTRO-MEDICAL TECH. (82)(910) . .	18	0.10
36. ELECTRONICS (01)(910) . . . . .	625	3.34
37. ENVIRONMENTAL TECHNOLOGY (99)(939)	32	0.17
38. EQUIPMENT PARTS AND SALES (42)(933)	119	0.64
39. FARM EQUIPMENT MECHANICS (13)(902)	117	0.62
40. FARM MANAGEMENT (51)(902) . . . . .	175	0.93
41. FARRIER (70)(912) . . . . .	21	0.11
42. FASHION MERCHANDISING (57)(905) . .	268	1.43
43. FLUID POWER TECH. AND HYD. (22)(923)	161	0.86
44. HEAVY EQUIPMENT (56)(923) . . . . .	8	0.04
45. HIGHWAY TECH. (35)(908) . . . . .	113	0.60
46. INDUS. TECH. (83)(936) . . . . .	37	0.20
47. INTERIOR DESIGN AND SALES (44)(933)	41	0.22
48. INTERNATIONAL DOC. SPEC. (59)(933)	26	0.14
49. JEWELRY (55)(919) . . . . .	14	0.07
50. LAW ENFORCEMENT (60)(922) . . . . .	32	0.17
51. MACHINE SHOP (11)(924) . . . . .	484	2.58
52. MAINTENANCE MECHANIC (46)(924) . . .	33	0.18
53. MARINE AND SMALL ENGINES (25)(923)	251	1.34
54. MECH. AND DRAFTING DESIGN (08)(908)	346	1.85
55. MECH. REF. AIR. CON. APP. REP. (32)(911)	212	1.13
56. MEDICAL CLERICAL (96)(901) . . . . .	245	1.31

(TABLE CONTINUED ON NEXT PAGE)

(TABLE CONTINUED FROM PREVIOUS PAGE)

57. MEDICAL SECRETARIAL (91)(901) . . .	446	2.38
58. MEDICAL LABORATORY ASST. (39)(917)	174	0.93
59. MOBILE HOMES SERVICE (84)(926) . . .	30	0.16
60. NEEDLE ARTS (53)(905) . . . . .	128	0.68
61. NEWSPAPER SKILLS (87)(927) . . . . .	28	0.15
62. NURSES AIDE OR ORDERLY (67)(917) . .	639	3.41
63. NURSERY/LANDSCAPE TECH. (34)(921)	175	0.93
64. OCCUPATIONAL THERAPY ASST. (74)(917)	59	0.32
65. OFFICE MACHINE MECHANICS (30)(928)	70	0.37
66. OPTICAL TECHNOLOGY (38)(929) . . . .	70	0.37
67. PAINTING AND DECORATING (95)(930)	42	0.22
68. PATTERN MAKING (23)(924) . . . . .	13	0.07
69. PHOTOGRAPHIC TECHNOLOGY (72)(931)	78	0.42
70. PLASTIC INJ. MOLD TECH. (26)(924)	12	0.06
71. PLUMBING (21)(932) . . . . .	110	0.59
72. POWDER METAL TECHNOLOGY (98)(924)	11	0.06
73. POWER AND HOME ELECTRICITY (02)(910)	557	2.97
74. PRACTICAL NURSING (03)(917) . . . .	988	5.27
75. PRINTING AND GRAPHIC ARTS (07)(915)	385	2.06
76. PURCH. AND INVENTORY MGMT. (94)(901)	15	0.08
77. RETAIL FLORIST (43)(921) . . . . .	39	0.21
78. SALES AND BUSINESS MGMT. (41)(933)	668	3.57
79. SECRETARIAL TRAINING (48)(901) . . .	1297	6.92
80. SERVICE STATION MECH. (19)(923) . .	27	0.14
81. SHEET METAL (64)(934) . . . . .	78	0.42
82. SHOE REPAIRING (16)(935) . . . . .	14	0.07
83. SURGICAL TECHNICIAN (80)(917) . . .	37	0.20
84. TECHNICAL ILLUSTRATION (52)(903) . .	17	0.09
85. TELEPHONE COMMUNICATIONS (58)(910)	110	0.59

(TABLE CONTINUED ON NEXT PAGE)

(TABLE CONTINUED FROM PREVIOUS PAGE)

86. TEST. TECH. AND MET. FAB. (14) (936)	17	0.09
87. TOOL AND DIE (05) (924) . . . . .	130	0.69
88. TRAFFIC TRANS. MGMT. (54) (937) . . .	50	0.27
89. TRUCK DRIVER (90) (937) . . . . .	59	0.32
90. UPHOLSTERING (29) (938) . . . . .	43	0.23
91. WAITER, WAITRESS (85) (913) . . . . .	2	0.01
92. WASTE/WATER TREAT. TECH. (73) (939)	26	0.14
93. WATCH REPAIR (27) (919) . . . . .	20	0.11
94. WATER WELL DRILLING (93) (932) . . .	8	0.04
95. WELDING (12) (940) . . . . .	609	3.25
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T O T A L S	18730	99.98

TABLE 16-NUMBER OF ENROLLEES WHO REPORTED  
THEY WERE ENROLLED IN EACH AVTI

C A T E G O R Y	NUMBER	PERCENT
1. 916 VU-TECH INST. . . . .	1108	5.92
2. ALEXANDRIA . . . . .	761	4.06
3. ALBERT LEA . . . . .	265	1.41
4. ANOKA . . . . .	1543	8.24
5. AUSTIN . . . . .	406	2.17
6. BEMIDJI . . . . .	213	1.14
7. BRAINERD . . . . .	530	2.83
8. CANBY . . . . .	327	1.75
9. DAKOTA COUNTY . . . . .	372	1.99
10. DETROIT LAKES . . . . .	428	2.29
11. DULUTH . . . . .	886	4.73
12. EVELETH . . . . .	226	1.21
13. FARIBAULT . . . . .	304	1.62
14. GRANITE FALLS . . . . .	283	1.51
15. HIBBING . . . . .	275	1.47
16. HUTCHINSON . . . . .	235	1.25
17. JACKSON . . . . .	399	2.13
18. MANKATO . . . . .	846	4.52
19. MINNEAPOLIS . . . . .	898	4.79
20. MOORHEAD . . . . .	652	3.48
21. PINE CITY . . . . .	159	0.85
22. PIPESTONE . . . . .	392	2.09
23. RED WING . . . . .	78	0.42
24. ROCHESTER . . . . .	596	3.18
25. ST. CLOUD . . . . .	877	4.68
26. ST. PAUL . . . . .	1865	9.96
27. STAPLES . . . . .	297	1.59

(TABLE CONTINUED ON NEXT PAGE) .

(TABLE CONTINUED FROM PREVIOUS PAGE)

28. SUBURBAN HENNEPIN . . . . .	1409	7.52
29. THIEF RIVER FALLS . . . . .	379	2.02
30. WADENA . . . . .	352	1.88
31. WILLMAR . . . . .	855	4.56
32. WINONA . . . . .	514	2.74
<hr/>		
TOTALS	18730	100.00



## APPENDIX A - SYSTEM CURRICULUM GUIDE

## Broad Occupational Clusters, Curriculum Areas, and Specific Programs

The following appendix, the System Curriculum Guide, is useful in interpreting Table 15 - Number of Enrollees Who Reported They Were Enrolled In Each Curriculum Area. The appendix lists the broad occupational clusters, the curriculum areas included in each cluster, and specific programs within each curriculum area.

The numbers within parentheses following each curriculum category in Table 15 indicate the broad occupational area and the curriculum area in which that specific program is located. The first number in parentheses is the number of the curriculum area. The second number (the "900" number) is the number of the broad occupational cluster. The broad occupational clusters are arranged numerically within the appendix.

EXAMPLE: In the case of Agri-Business, the first number in parentheses, (50), indicates the number of the curriculum area. The second number in parentheses, (902), indicates that the curriculum area is located in the broad occupational area "Agricultural Related Occupations." The course names underneath (50) Agri-Business are specific programs offered across the state in the curriculum area, Agri-Business.

Some curriculum areas are placed under more than one broad occupational cluster, since graduates of these curriculum areas may find employment related to training in more than one broad occupational cluster.

## APPENDIX A - SYSTEM CURRICULUM GUIDE

## Broad Occupational Clusters, Curriculum Areas, and Specific Programs

- |  |   |
|--|---|
| <p>901. ACCOUNTING AND CLERICAL RELATED OCCUPATIONS</p> <p>45. <u>Accounting</u><br/>Bookkeeping</p> <p>88. <u>Bank Teller</u><br/>Banking and Finance</p> <p>47. <u>Clerical</u><br/>Clerical Training and<br/>Key punch<br/>General Office Practice<br/>Insurance Procedures<br/>Loan Clerk<br/>Typing and Related</p> <p>49. <u>Data Processing</u><br/>Computer Operator<br/>Computer Programmer<br/>Computer Programming<br/>for Accountants<br/>Key punch</p> <p>96. <u>Medical Clerical</u><br/>Hospital Service Coordinator<br/>Hospital Station Secretary<br/>Medical Receptionist</p> <p>91. <u>Medical Secretarial</u><br/>Medical Office Assistant<br/>Medical Office Services<br/>Medical Secretarial</p> <p>94. <u>Purchasing and Inventory</u><br/><u>Management</u></p> <p>48. <u>Secretarial</u><br/>Clerical Secretary<br/>Education Office Occupations<br/>Law Enforcement Office Occupations<br/>Personnel Office<br/>Secretarial, Finance<br/>Secretarial, Legal<br/>Secretarial, Stenography<br/>Steno-Clerical<br/>Traffic Office</p> | <p>902. AGRICULTURAL RELATED OCCUPATIONS</p> <p>50. <u>Agri-Business</u><br/>Agri-Business Sales and<br/>Management<br/>Agricultural Banking</p> <p>37. <u>Agri-Technology</u><br/>Ag Chemicals and Seed<br/>Technology<br/>Agricultural Supplies<br/>Technology<br/>Irrigation Technology<br/>Specialty Crops</p> <p>42. <u>Equipment Parts and Sales</u><br/>Auto Parts Counterman<br/>Partsman Training</p> <p>13. <u>Farm Equipment Mechanics</u><br/>Agri-Business Materials<br/>Handling</p> <p>51. <u>Farm Management</u><br/>Production Agriculture</p> <p>903. ART RELATED OCCUPATIONS</p> <p>68. <u>Commercial Art</u><br/>Production Art</p> <p>52. <u>Technical Illustration</u></p> <p>904. BROADCASTING RELATED OCCUPATIONS</p> <p>63. <u>Broadcasting</u><br/>Radio Broadcasting<br/>Telecasting and Broadcasting<br/>Technology</p> |
|--|---|

## Broad Occupational Clusters, Curriculum Areas, and Specific Programs

905. CLOTHING RELATED OCCUPATIONS
- 57. Fashion Merchandising  
Fashion Management  
Men's Wear Management  
Men's Wear Merchandising
  - 53. Needle Arts  
Apparel Arts  
Apparel Specialist  
Commercial Tailoring  
Tailoring
  - 89. Drycleaning and Laundry
906. CONSTRUCTION WORKER RELATED OCCUPATIONS
- 04. Carpentry
  - 78. Construction Worker
907. CUSTODIAL RELATED OCCUPATIONS
- 71. Custodial Worker  
Building Cleaning & Care  
Custodial Service  
Household, Commercial and  
Domestic Aid
908. DRAFTING RELATED OCCUPATIONS
- 09. Architectural Drafting and Design  
Electrical Drafting
  - 35. Highway Technology  
Civil Technology  
Civil Engineering Technology
  - 08. Mechanical Drafting and Design  
Design Technology  
Engineering Drafting Technician  
Industrial Drafting  
Municipal Engineering Technology
909. EDUCATIONAL AIDE RELATED OCCUPATIONS
- 76. Educational Aide  
Teacher Aide
910. ELECTRICITY - ELECTRONICS RELATED OCCUPATIONS
- 82. Electro-Medical Technology
  - 01. Electronics  
Communications  
Electronics Engineering  
Technology  
Industrial Electronics  
Instrumentation and Computer  
Maintenance  
Mobile Communications Technology  
Radio and TV Repair  
Radio, TV, and Home Entertainment  
Equipment Service
  - 02. Power and Home Electricity  
Construction Electrician  
Electrical Maintenance  
Electrical Technology  
Electrician, Power Distributing  
Industries  
Lineman Electrician  
Total Energy
  - 58. Telephone Communications Technician
911. ELECTRO - MECHANICAL TECHNOLOGY RELATED OCCUPATIONS
- 92. Construction Mechanical Trades
  - 40. Electro-Mechanical Technology  
Building, Electrical, and  
Mechanical Maintenance  
Building Operation and  
Maintenance  
Industrial Instrumentation

(continued)

## Broad Occupational Clusters, Curriculum Areas, and Specific Programs

911. ELECTRO - MECHANICAL TECHNOLOGY RELATED OCCUPATIONS  
(continued)
32. Mechanical Refrigeration, Air Conditioning, and Heating  
Major Appliance Service  
Refrigeration, Heating,  
Air Conditioning, and  
Appliance Repair
912. FARRIER RELATED OCCUPATIONS
70. Farrier
913. FOOD SERVING AND/OR PROCESSING RELATED OCCUPATIONS
31. Bakery Procedures
62. Butcher and Meat Cutting
15. Chefs, Cooks, and Food Management  
Commercial Foods  
Commercial Cooking and  
Baking  
Dietetic Assistant  
Food Service Management  
Quality Food Production  
and Management  
Quantity Food Preparation  
Restaurant and Hotel  
Cookery Management  
Service Occupations and  
Occupational Home Economics
85. Waiter, Waitress
914. FOREST INDUSTRY RELATED OCCUPATIONS
61. Conservation and Forestry  
Forest Harvesting Technician  
Land Construction Conservation  
Technology  
Natural Resource Technician
36. Paper and Pulp Technology
915. GRAPHIC ARTS RELATED OCCUPATIONS
79. Audio-Visual Technology  
Audio-Video Technician  
Television and Audio-Video  
Production
07. Printing and Graphic Arts  
Offset Printing
916. GROOMING RELATED OCCUPATIONS
24. Barbering
17. Cosmetology
917. HEALTH RELATED OCCUPATIONS
66. Child Development Assistant  
Child Service Technology
33. Dental Assistant  
Dental Lab Technician
96. Medical Clerical  
Hospital Service Coordinator  
Hospital Station Secretary  
Medical Receptionist
39. Medical Laboratory Assistant
91. Medical Secretarial  
Medical Office Assistant  
Medical Office Services  
Medical Record Technician
67. Nurse's Aide or Orderly  
Home Health Aide  
Nursing Assistant  
Psychiatric Technician
74. Occupational Therapy Assistant
03. Practical Nursing
80. Surgical Technician

## Broad Occupational Clusters, Curriculum Areas, and Specific Programs

918. INDUSTRIAL SUPERVISION RELATED OCCUPATIONS
69. Industrial Foremanship Training
919. JEWELRY/WATCH REPAIR RELATED OCCUPATIONS
55. Jewelry Metal Arts
27. Watch Repair
920. LABORATORY ASSISTANT RELATED OCCUPATIONS
77. Chemical Technology Chemical Laboratory Technician
39. Medical Laboratory Assistant
921. LANDSCAPE/FLORISTRY RELATED OCCUPATIONS
34. Nursery/Landscape Technology
43. Retail Floristry
922. LAW ENFORCEMENT RELATED OCCUPATIONS
60. Law Enforcement
923. MACHINERY REPAIR RELATED OCCUPATIONS
18. Aircraft Mechanics Avionics (Aviation Electronics)
75. Auto Body Repair Automobile Body Repairman Used Car Renovator
923. MACHINERY REPAIR RELATED OCCUPATIONS (continued)
06. Automotive Auto Mechanics Automobile Management Automobile Tune-Up Automotive Service Specialist Automotive Technician Wheel Alignment and Brake Service
86. Automotive Machinist
10. Diesel Mechanics Heavy Truck and Diesel Engine Mechanics Truck Mechanics
42. Equipment Parts and Sales Auto Parts Counterman Partsman Training
13. Farm Equipment Mechanics Agri-Business Materials Handling
22. Fluid Power Technology and Hydraulics Industrial Hydraulics and Pneumatics
56. Heavy Equipment Heavy Equipment Operation and Maintenance
25. Marine and Small Engine Mechanics
19. Service Station Mechanic Service Station Sales and Repair
924. MACHINIST RELATED OCCUPATIONS
86. Automotive Machinist

(continued)

(continued)

## Broad Occupational Clusters, Curriculum Areas, and Specific Programs

- |  |   |
|--|---|
| <p>924. MACHINIST RELATED OCCUPATIONS<br/>(continued)</p> <p>11. <u>Machine Shop</u><br/>Machine Operatcr<br/>Machine Tool Operator<br/>Machine Tool Process<br/>Machine Tool Rebuilding<br/>Machinist<br/>Numerical Control Technology<br/>Production Machinist.</p> <p>46. <u>Maintenance Mechanic</u></p> <p>23. <u>Pattern Making</u></p> <p>26. <u>Plastic Injection Molding<br/>Technology</u></p> <p>05. <u>Tool and Die</u><br/>Machine Shop - Die Making<br/>Machine Tool and Die<br/>Tool Design Technician<br/>Tool, Die, Mold-Making<br/>Tool Engineering Technician</p> | <p>929. OPTIC RELATED OCCUPATIONS</p> <p>38. <u>Optical Technology</u></p> <p>930. PAINTING AND DECORATING RELATED<br/>OCCUPATIONS</p> <p>95. <u>Painting and Decorating</u></p> <p>931. PHOTOGRAPHIC RELATED OCCUPATIONS</p> <p>72. <u>Photographic Technology</u></p> <p>932. PIPEFITTING AND PLUMBING RELATED<br/>OCCUPATIONS</p> <p>92. <u>Construction Mechanical Trad</u></p> <p>21. <u>Plumbing<br/>Pipefitting</u></p> <p>93. <u>Water Well Drilling</u></p>              |
| <p>925. MASONRY RELATED OCCUPATIONS</p> <p>28. <u>Bricklaying</u></p> <p>926. MOBILE HOMES SERVICES RELATED<br/>OCCUPATIONS</p> <p>84. <u>Mobile Homes Services</u></p> <p>927. NEWSPAPER RELATED OCCUPATIONS</p> <p>87. <u>Newspaper Skills</u></p> <p>928. OFFICE MACHINE MECHANIC<br/>RELATED OCCUPATIONS</p> <p>30. <u>Office Machine Mechanics</u></p>  | <p>933. SALES RELATED OCCUPATIONS</p> <p>50. <u>Agri-Business</u><br/>Agri-Business Sales and<br/>Manufacturing<br/>Agricultural Banking</p> <p>42. <u>Equipment Parts and Sales</u><br/>Auto Parts Counterman<br/>Partsman Training</p> <p>57. <u>Fashion Merchandising</u><br/>Fashion Management<br/>Men's Wear Management<br/>Men's Wear Merchandising</p> <p>44. <u>Interior Design and Sales<br/>Assistant</u></p> <p>59. <u>International Documents<br/>Specialist</u></p> |

(continued)

## Broad Occupational Clusters, Curriculum Areas, and Specific Programs

933. SALES RELATED OCCUPATIONS  
(continued)
41. Sales and Business Management  
Aviation Administration  
Food Merchandising  
Hardware Marketing &  
Building Supplies  
Lumberyard Management  
Marketing-Merchandising  
Produce Management  
Retail Merchandising  
Sales Associate  
Sales and Marketing  
Small Business Management  
Supermarket Management  
Wholesaling, Retailing  
Marketing-Management
934. SHEET METAL RELATED OCCUPATIONS
92. Construction Mechanical Trades
64. Sheet Metal  
Sheet Metal and Design
935. SHOE REPAIRING RELATED OCCUPATIONS
16. Shoe Repairing
936. TESTING RELATED OCCUPATIONS
83. Industrial Technology  
Industrial Lab Technician  
Quality Control Technician
14. Testing Technology and Metal Fabrication
937. TRANSPORTATION RELATED OCCUPATIONS
81. Air Traffic Control
54. Traffic Transportation Management
90. Truck Driver
938. UPHOLSTERING RELATED OCCUPATIONS
29. Upholstering
939. WASTE AND WATER TREATMENT TECHNOLOGY RELATED OCCUPATIONS
73. Waste and Water Treatment Technology
940. WELDING RELATED OCCUPATIONS
75. Auto Body Repair  
Automobile Body Repairman  
Used Car Renovator
12. Welding
941. WOODWORKING RELATED OCCUPATIONS
20. Cabinetmaking
04. Carpentry
942. UNSKILLED WORKER
943. MISCELLANEOUS OCCUPATIONS

## APPENDIX B

## COUNTIES INCLUDED IN MINNESOTA'S ELEVEN ECONOMIC PLANNING REGIONS

Region 1

Kittson  
Roseau  
Marshall  
Pennington  
Red Lake  
Polk  
Mahnommen

Region 2

Lake of the Woods  
Koochiching  
Beltrami  
Clear Water  
Hubbard

Region 3

Cook  
Lake  
St. Louis  
Itasca  
Carlton

Region 4

Norman  
Clay  
Becker  
Otter Tail  
Wilkin  
Grant  
Douglas  
Traverse  
Stevens  
Big Stone

Region 5

Cass  
Wadena  
Crow Wing  
Aitkin  
Todd  
Morrison

Region 6

Pope  
Swift  
Lac Qui Parle  
Chippewa  
Kandiyohi  
Yellow Medicine  
Renville  
Redwood

Region 7

Pine  
Kanabec  
Mille Lacs  
Benton  
Sherburne  
Stearns  
Isanti  
Chisago  
Meeker  
Wright

Region 8

Lincoln  
Lyon  
Pipestone  
Murray  
Cotton Wood  
Rock  
Nobles  
Jackson  
Martin

Region 9

McLeod  
Sibley  
Nicollet  
Le Seuer  
Rice  
Brown  
Watonwan  
Blue Earth  
Waseca  
Faribault

Region 10

Goodhue  
Wabasha  
Steele  
Dodge  
Olmsted  
Winona  
Freeborn  
Mower  
Fillmore  
Houston

Region 11

Anoka  
Hennepin  
Ramsey  
Washington  
Carver  
Scott  
Dakota