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ABSTRACT

The main purpose of a followup of Minnesota area postsecondary vocational-technical institute graduates was to determine what happens to graduates after they leave school. Information obtained from graduates and their employers allows school personnel to judge the effectiveness of their programs and how they might be improved. Experience with the followup system in Minnesota has been very successful. During the July 1, 1971-June 30, 1972 year returns were received from 80 percent of the graduates and from 92 percent of their employers. The data are presented in 35 tables and corresponding narratives covering the broad subject matter of the graduates' employment status at one year after graduation, including their employment history, employer followup, and graduates' evaluation of their school training programs. Appendixes give the system curriculum guide for 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 ONE-YEAR FOLLOW-UP INFORMATION  
ON GRADUATES WHO GRADUATED FROM FULL-TIME DAY PROGRAMS  
OF THE MINNESOTA AREA VOCATIONAL-TECHNICAL INSTITUTES  
BETWEEN JULY 1, 1971, AND JUNE 30, 1972

SUMMARY OF ALL GRADUATES:  
ACROSS THE STATE

U.S. DEPARTMENT OF HEALTH,  
EDUCATION & WELFARE  
NATIONAL INSTITUTE OF  
EDUCATION

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November, 1973

JUL 16 1975

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## FOREWORD

This report is one of several featuring one-year follow-up data gathered from students who graduated from the Minnesota Area Vocational-Technical Institutes between July 1, 1971, and June 30, 1972. The data were gathered by the Vocational Follow-Up System under a contract with the Minnesota State Department of Education together with the cooperation of the institutes. Experience with the follow-up system in Minnesota has been highly successful. During the past year returns have been received from 80 percent of the graduates followed up and 92 percent of their employers.

Four different types of follow-up reports have been generated from the data: (1) a summary of data on all graduates followed up across the entire state, (2) a summary of data on graduates followed up in each curriculum area (e.g., auto mechanics) across the entire state, (3) a summary of data on graduates followed up within each institute, and (4) a summary on all graduates followed up within each curriculum area within each institute.

The reports were prepared by the clerical staff of the Vocational Follow-Up System under the supervision of Dominic A. Mohamed and Paul Gunderson. Comments concerning the reports and their effectiveness should be addressed to:

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## INTRODUCTION

### Why Follow Up Vocational Students?

The main purpose of a follow-up of Area Vocational-Technical Institute (AVTI) graduates is to determine what happens to graduates after they leave their vocational institutes. Knowledge obtained from graduates of the Minnesota Area Vocational-Technical Institutes and their employers allows AVTI personnel to determine the present effectiveness of their programs and to specify how those programs might be changed in order to increase their effectiveness.

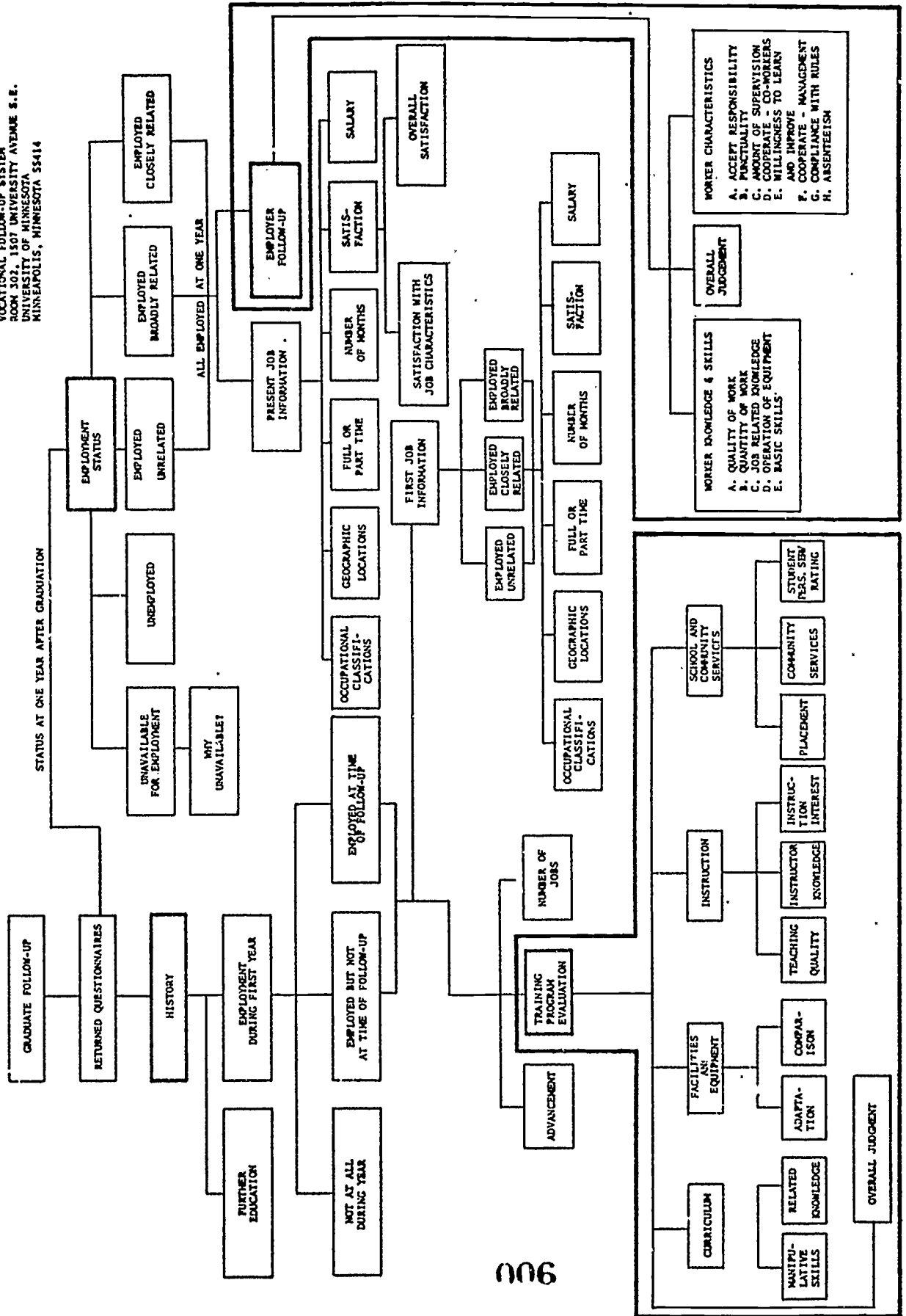
The Vocational Follow-Up System, aided by a specialized staff which is responsive to the needs of the Area Vocational-Technical Institutes and the State Department of Education, provides a more efficient vehicle for gathering such follow-up information than would be possible if each institute followed up its own students. Efficiency is increased, not only because a central unit can be financed more inexpensively than individual units at each of the Area Vocational-Technical Institutes, but also because a central unit can utilize data-gathering methods which maximize the accuracy of the data and returns.

Figure 1 presents a schematic flow chart of the types of information that were gathered by the System during the past year. A list of table titles is provided on pages 3 through 5.

FIGURE I

ORGANIZATION OF THE FOLLOW-UP INFORMATION OBTAINED FROM GRADUATES OF MINNESOTA VOCATIONAL INSTITUTES AND THEIR EMPLOYERS

VOCATIONAL FOLLOW-UP SYSTEM  
ROOM 302, 1507 UNIVERSITY AVENUE S. E.  
UNIVERSITY OF MINNESOTA  
MINNEAPOLIS, MINNESOTA 55414



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35. NUMBER OF STUDENTS INCLUDED IN THIS REPORT WHO GRADUATED FROM EACH CURRICULUM AREA

INTERPRETING THE TABLES

The follow-up information summarized in this report was gathered to provide information of interest to people attempting to determine how they might improve vocational programs. Each major type of information gathered is presented below and discussed in reference to the specific tables displaying the information. This explanation should assist you in interpreting what the information means in terms of your programs.

Table 27 is a sample of the tables presented in this report. The information contained in this table is used as an example, and is not information concerning your program. The table is preceded by a heading which explains the information being presented in the table.

TABLE 27: PROGRAM CHOICE -  
GRADUATES' SATISFACTION WITH THEIR ORIGINAL  
PROGRAM CHOICES ONE YEAR AFTER GRADUATION

<u>C A T E G O R Y</u>	<u>N U M B E R</u>	<u>P E R C E N T</u>
1. GRAD WOULD CHOOSE SAME PROGRAM AGAIN. . . . .	X	Y
2. GRAD WOULDN'T CHOOSE SAME PROGRAM AGAIN . . . . .	Z	I
DID NOT RESPOND . . . . .	N	
T O T A L S T A		

The number of people who provided the information which is summarized in the table is indicated after "Totals" (i.e., T, which means that the table summarized information obtained from X + Z + N graduates). The categories of the information, or the way the information on the graduates was broken down, are indicated along the left side of the table; i.e., (1) "Graduate would choose same program again", (2) "Graduate wouldn't choose same program again".

and "Did not respond." The numbers of people categorized as "did not respond" represent the number of graduates who were followed up but did not fill out the specific question on the follow-up questionnaire. *Caution: There are other types of categories in some tables of this report which are treated similar to the "DID NOT RESPOND" category in this example, such as: DID NOT INDICATE FIRST JOB; DID NOT RESPOND/NO FIRST JOB; DID NOT INDICATE PRESENT JOB; DID NOT RESPOND/EMPLOYED IN UNRELATED JOBS; DID NOT RESPOND/EMPLOYED IN RELATED JOBS; AND DID NOT RESPOND/NO PRESENT JOB.*

The numbers of people who said they would choose the program again and those who would not choose the program again plus those who did not respond are indicated under the column headed "Number." In this sample table, X graduates indicated they would choose the program again, Z indicated they would not choose the same program again, and N did not respond. The percentage of the T people whose information is included in the table who would choose the program again and the percentage of those graduates who would not choose the same program again are indicated in the column labeled "Percent." The number of people who did not respond to the question are indicated, but they are not included in the calculation of the percentages. In this sample table, X of the T people, or Y percent, would choose the same program again; and Z of the T people, or I percent, would not choose the same program again. In the row labeled "Totals," the total percentage should equal 100; but in some instances the total may be slightly larger or smaller, due to decimal rounding.

Since the follow-up procedures used to gather the information successfully obtained information from 80 percent of the graduates, and not all people completed all items on the questionnaire, care should be used in interpreting

the actual numbers of people in each category. It is more appropriate to interpret the tables using the percentage of people from a program in each category than it is to use the number of people.

#### DETAILED DESCRIPTIONS OF TABLES

TABLE 1 - EMPLOYMENT DURING FIRST YEAR -  
GRADUATES' EMPLOYMENT DURING FIRST YEAR AFTER GRADUATION

Table 1 shows (1) how many of the graduates included in this report were employed one year after graduation, (2) how many of the graduates were employed at some time during the year but not at the time when the follow-up was conducted one year after graduation, and (3) how many people were not employed at any time during the year. This group includes people who were unavailable for employment throughout the year as well as those who were unemployed. It is possible to determine the total number of people who were employed at some time during the first year after graduation by adding the first two categories.

*Tables 2-5 include information about the first jobs held by graduates employed at the time of follow-up or employed at any time during the year.*

TABLE 2 - FIRST JOB RELATEDNESS -  
DEGREE OF RELATEDNESS OF GRADUATES' FIRST JOBS TO AVTI TRAINING

Table 2 presents information on (1) the number of people who had first jobs closely related to the occupations for which they trained, (2) the number who had first jobs in occupations somewhat related to the curriculum areas from which they graduated, but not the exact occupations for which trained (broadly related), and (3) the number who had first jobs in occupations unrelated to the training they received and the number of people who were followed-up but did not indicate their first jobs. (Refer to Appendix A.)

TABLE 3 - FIRST JOB OCCUPATIONAL CLUSTER -  
BROAD OCCUPATIONAL CLUSTERS OF GRADUATES' FIRST JOBS

Table 3 indicates the number of graduates whose first jobs were in a variety of broad occupational clusters. Refer to Appendix A, using the "900" number (the number in parentheses after the name of the occupational cluster). The number of people who were followed up but did not indicate first jobs and therefore could not have first job occupational clusters are also shown in this table.

TABLE 4 - FIRST JOB LOCATION  
GEOGRAPHIC LOCATIONS OF GRADUATES' FIRST JOBS

Table 4 indicates the number of graduates whose first jobs were in a variety of geographical locations and those who were followed-up but did not indicate first job.

TABLE 5 - FIRST JOB FULL OR PART-TIME -  
FULL OR PART-TIME STATUS OF GRADUATES' FIRST JOBS

Table 5 indicates the number of graduates whose first jobs were full-time or part-time and the number of those who did not respond and/or did not have first jobs.

TABLE 6 - EMPLOYMENT STATUS ONE YEAR AFTER GRADUATION -  
GRADUATES EMPLOYED, UNEMPLOYED, OR UNAVAILABLE FOR EMPLOYMENT  
ONE YEAR AFTER GRADUATION

Table 6 indicates the employment status of the graduates one year after they graduated. The information is broken down into five categories: (1) the number of graduates employed in closely related occupations (they entered the exact occupations for which trained), (2) the number of graduates employed in broadly related occupations (they were employed in occupations somewhat related to the curriculum areas from which they graduated but not in the exact occupations for which trained), (3) the number of graduates employed in unrelated occupations (they were employed but in occupations unrelated to the curriculum areas from which they graduated), (4) the number of graduates unavailable for employment (they had legitimate reasons, as documented in Table 14, for being unavailable for employment), and (5) the number of graduates unemployed (they did not have jobs but were actively looking for jobs). Refer to Appendix A for further explanation of relatedness.

TABLE 7 - UNAVAILABILITY -  
REASONS GRADUATES WERE UNAVAILABLE FOR EMPLOYMENT  
ONE YEAR AFTER GRADUATION

Table 7 presents a breakdown of the number of graduates who were unavailable for employment one year after graduation for a variety of reasons. The breakdown assumes that (1) being in the military, (2) participating in further training, (3) illness, and (4) being a housewife or being pregnant, are legitimate reasons for not being employed. Graduates with other legitimate reasons for unavailability such as death, etc., are included in category (5) other. Category (6) includes the number of graduates who indicated that they were presently not working and were not interested in employment.

TABLE 8 - PRESENT JOB FULL OR PART-TIME -  
FULL OR PART-TIME STATUS OF GRADUATES' JOBS ONE YEAR AFTER GRADUATION

Table 8 indicates the number of students employed in full-time or part-time jobs and those who were followed-up but did not respond one year after graduation.

TABLE 9 - PRESENT JOB OCCUPATIONAL CLUSTER -  
BROAD OCCUPATIONAL CLUSTERS OF GRADUATES' JOBS ONE YEAR AFTER GRADUATION

Table 9 presents information on the number of graduates employed in a variety of broad occupational clusters and those who were followed-up but did not indicate a present job one year after graduation. Refer to Appendix A, using the number in parentheses after the cluster title (e.g., AGRICULTURAL RELATED OCCUPATIONS, 901).

TABLE 10 - PRESENT JOB LOCATION -  
GEOGRAPHIC LOCATIONS OF GRADUATES' JOBS ONE YEAR AFTER GRADUATION

Table 10 presents information on the number of graduates employed in a variety of geographical locations and the number of graduates followed-up who did not indicate a present job one year after graduation. Refer to Appendix B to determine which counties are in each region.

TABLE 11 - NUMBER OF JOBS -  
NUMBER OF JOBS HELD BY GRADUATES DURING THE FIRST YEAR AFTER GRADUATION

Table 11 presents information on the number of graduates who held different numbers of jobs during the first year after graduation and the number of graduates who were followed-up who did not respond.

*Tables 12 - 13 present information on promotion and salaries of graduates employed one year after graduation.*

TABLE 12 - JOB ADVANCEMENT -  
FORMAL JOB ADVANCEMENT OF GRADUATES EMPLOYED ONE YEAR AFTER GRADUATION

Table 12 presents information on the number of graduates employed one year after graduation who experienced a formal advancement in job classification during the first year after graduation and the number of graduates who were followed-up who did not respond.

TABLE 13 - FIRST MONTH SALARIES -  
FIRST MONTH SALARIES OF GRADUATES EMPLOYED  
DURING THE FIRST YEAR AFTER GRADUATION

Table 13 presents the first month salaries of graduates employed at some time during the year after graduation and the number of graduates who were followed-up and did not respond or did not have first jobs.

TABLE 14 - PRESENT JOB SALARIES -  
MONTHLY SALARIES OF GRADUATES EMPLOYED ONE YEAR AFTER GRADUATION

Table 14 presents the monthly salaries received by graduates employed one year after graduation. The table also shows the number of graduates that were followed-up who did not respond or were not employed at the time of the follow-up.

TABLE 15 - ADDITIONAL TRAINING -  
GRADUATES' PARTICIPATION IN FURTHER EDUCATION  
DURING THE FIRST YEAR AFTER GRADUATION

Table 15 indicates the number of graduates who took part in each of eight categories of additional training during the first year after graduation, plus those who took part in more than one type of training. The eight categories include: (1) none, which indicates they took part in no additional training; (2) industry-sponsored training programs, which indicates they took part in some form of on-the-job training; (3) public area vocational-technical school programs; (4) private vocational school programs; (5) college and/or junior college programs; (6) apprenticeship; (7) specialized occupational military training; and (8) other, which indicates they took part in some form of additional training which is not included in any of the other categories. Additional categories in this table indicate the number of graduates who took part in more than one type of training.

*Tables 16 - 19 summarize the overall feelings of employed graduates in related jobs. They present information on the degree to which the graduates were satisfied with selected characteristics of their employment and their training programs.*

TABLE 16 - OVERALL JOB SATISFACTION -  
GRADUATES PRESENTLY EMPLOYED IN RELATED JOBS  
OVERALL FEELINGS ABOUT THEIR JOBS

Table 16 indicates the overall job satisfaction of graduates presently employed in related jobs one year after graduation. The overall feelings of employed graduates are broken down into five categories: (1) the number presently employed in related jobs who like their jobs very much, (2) the number presently employed in related jobs who like their jobs somewhat, (3) the number presently employed in related jobs who neither like nor dislike their jobs, (4) the number presently employed in related jobs who disliked their jobs somewhat, (5) the number presently employed in related jobs who dislike their jobs very much. The number of graduates who were followed-up but did not respond or were employed in unrelated jobs is also shown.



TABLE 17 - OVERALL JOB SATISFACTION -  
GRADUATES PRESENTLY EMPLOYED IN UNRELATED  
JOBS OVERALL FEELINGS ABOUT THEIR JOBS

Table 17 indicates the overall job satisfaction of graduates presently employed in unrelated jobs one year after graduation. The overall feelings of employed graduates are broken down into five categories: (1) the number presently employed in unrelated jobs who like their jobs very much, (2) the number presently employed in unrelated jobs who like their jobs somewhat, (3) the number presently employed in unrelated jobs who neither like nor dislike their jobs, (4) the number presently employed in unrelated jobs who dislike their jobs somewhat, (5) the number presently employed in unrelated jobs who dislike their jobs very much. The number of graduates who were followed-up but did not respond or were employed in related jobs is also shown.

TABLE 18 - SATISFACTION WITH SELECTED JOB CHARACTERISTICS -  
GRADUATES PRESENTLY EMPLOYED IN RELATED JOBS RATINGS OF THE DEGREE  
TO WHICH THEY WERE SATISFIED WITH SELECTED CHARACTERISTICS OF THEIR JOBS

Table 18 presents the ratings of the degree to which graduates presently employed in related jobs one year after graduation were satisfied with selected characteristics of their jobs. The ratings of the degree of satisfaction were classified as: (1) satisfied, (2) not sure, (3) dissatisfied and (4) no response or employed in unrelated jobs. The rated aspects of job characteristics were: (1) salary, (2) fringe benefits, (3) potential for advancement, (4) supervision and management, (5) co-workers, (6) company policies and practices, (7) pace (speed) of work, (8) facilities and equipment, (9) work conditions, (10) variety of work tasks, (11) job security and (12) safety conditions.

TABLE 19 - SATISFACTION WITH SELECTED JOB CHARACTERISTICS -  
GRADUATES' PRESENTLY EMPLOYED IN UNRELATED JOBS RATINGS OF THE DEGREE  
TO WHICH THEY WERE SATISFIED WITH SELECTED CHARACTERISTICS OF THEIR JOBS

Table 19 presents the ratings of the degree to which graduates presently employed in unrelated jobs one year after graduation were satisfied with selected characteristics of their jobs. The ratings of the degree of satisfaction were classified as: (1) satisfied, (2) not sure, (3) dissatisfied and (4) no response or employed in related jobs. The rated aspects of job characteristics were: (1) salary, (2) fringe benefits, (3) potential for advancement, (4) supervision and management, (5) co-workers, (6) company policies and practices, (7) pace (speed) of work, (8) facilities and equipment, (9) work conditions, (10) variety of work tasks, (11) job security and (12) safety conditions.



TABLE 20 - GRADUATES' RATINGS OF THEIR PROGRAM CURRICULUMS -  
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BASIC JOB-RELATED (PERFORMANCE) SKILLS AND GENERAL  
TECHNICAL KNOWLEDGE IN LIGHT OF THEIR EXPERIENCES ON THE JOB

Table 20 indicates the number of graduates employed in related jobs who felt that the training they received at the AVTI in basic job-related (performance) skills and general technical knowledge was (1) excellent, (2) very good, (3) adequate, (4) inadequate, or (5) did not respond or were employed in unrelated jobs.

TABLE 21 - AVTI FACILITIES AND EQUIPMENT - GRADUATES EMPLOYED  
ANYTIME DURING THE YEAR IN RELATED JOBS JUDGMENTS OF THE EASE  
WITH WHICH THEY WERE ABLE TO ADAPT TO FACILITIES  
AND EQUIPMENT ON THE JOB

Table 21 indicates the number of graduates employed in related jobs who (1) found it easy to adapt to the facilities and equipment on the job, (2) had some problems adapting to the facilities and equipment on the job, (3) found it very difficult to adapt to the facilities and equipment on the job and (4) did not respond or were employed in unrelated jobs.

TABLE 22 - GRADUATES EMPLOYED ANYTIME DURING THE YEAR IN RELATED JOBS  
COMPARISONS OF THE AVTI FACILITIES AND EQUIPMENT  
WITH THOSE ON THE JOB

Table 22 indicates the number of graduates employed any time during the year in related jobs who judged the facilities and equipment at the AVTI to be (1) superior to those on the job, (2) similar to those on the job, (3) inferior to those on the job, and (4) did not respond or were employed in unrelated jobs.

TABLE 23 - INSTRUCTOR UP-TO-DATENESS -  
GRADUATES EMPLOYED ANYTIME DURING THE YEAR IN RELATED JOBS  
JUDGMENTS OF THE EXTENT TO WHICH THEIR AVTI INSTRUCTORS  
WERE UP-TO-DATE IN THEIR FIELDS

Table 23 indicates the number of graduates employed anytime during the year in related jobs who judged that (1) most instructors were up-to-date, (2) about the same number of instructors were up-to-date as were not, (3) most instructors were not up-to-date; or (4) did not respond or were employed in unrelated jobs.

TABLE 24 - TEACHING QUALITY OF AVTI INSTRUCTORS -  
GRADUATES' JUDGMENTS OF THE TEACHING QUALITY OF THE INSTRUCTORS  
ASSOCIATED WITH THEIR TRAINING PROGRAMS

Table 24 indicates the number of graduates who judged the teaching quality of the instructors associated with their AVTI training programs as (1) most instructors taught very well, (2) about the same number of instructors taught well as did not, (3) most instructors did not teach well, or (4) did not respond.

TABLE 25 - INSTRUCTOR KNOWLEDGEABILITY -  
GRADUATES' JUDGMENTS OF THE KNOWLEDGE POSSESSED  
BY THE INSTRUCTORS OF THEIR TRAINING PROGRAMS

Table 25 indicates the number of graduates who judged the knowledge possessed by their AVTI instructors as (1) most instructors were very knowledgeable, (2) about the same number of instructors were knowledgeable as were not, (3) most instructors were not knowledgeable, or (4) did not respond.

TABLE 26 - INSTRUCTOR INTEREST IN STUDENT PROGRAM PROGRESS -  
GRADUATES' JUDGMENTS OF THE INTEREST SHOWN BY INSTRUCTORS  
IN THEIR WORK PROGRESS AT THE AVTI

Table 26 indicates the number of graduates who judged the interest shown by their AVTI instructors in respect to their work program as: (1) most instructors were very interested in my progress, (2) most instructors were somewhat interested in my progress, (3) most instructors did not seem interested in my progress, or (4) did not respond.

TABLE 27 - PROGRAM CHOICE -  
GRADUATES' SATISFACTION WITH THEIR ORIGINAL PROGRAM CHOICES  
ONE YEAR AFTER GRADUATION

Table 27 indicates (1) the number of graduates who would choose the same program again one year after graduating, (2) the number of graduates who would not choose the same program again one year after graduation and (3) those who did not respond.

TABLE 28 - PERSON OR GROUP MOST INFLUENTIAL  
IN HELPING GRADUATES TO SECURE THEIR FIRST JOBS

Table 28 indicates the person or group most influential in helping the AVTI graduates to secure their first jobs. They were classified as (1) instructors or other AVTI personnel, (2) private employment agency, (3) relatives or friends, (4) state employment agency, (5) myself or other, (6) not been employed during the year, and (7) did not respond.

TABLE 29 - GRADUATES' JUDGMENTS OF THE QUALITY OF SELECTED SERVICES AND FACILITIES PROVIDED BY THE AVTI

Table 29 summarizes the number of graduates who rated the quality of selected services and facilities provided by the AVTI as (1) excellent, (2) good, (3) poor, (4) does not apply or (5) gave no response. The selected services and facilities which were rated were: (1) job placement, (2) counseling with personal problems, (3) help in making career decisions, (4) help in securing part-time employment, (5) help in obtaining financial assistance, (6) help in securing housing, (7) youth organizations, (8) recreation programs, (9) study, library and other learning facilities and (10) health services.

TABLE 30 - GRADUATES' JUDGMENTS OF THE QUALITY OF THE SERVICES AND FACILITIES PROVIDED BY THE COMMUNITY IN WHICH THE AVTI IS LOCATED

Table 30 summarizes the number of graduates who rated the quality of selected services and facilities provided by the community in which the AVTI is located as (1) excellent, (2) good, (3) poor, (4) does not apply, or (5) gave no response. The selected community services and facilities which were rated were (1) housing, (2) job opportunities and (3) recreation facilities.

TABLE 31 - EMPLOYERS' JUDGMENTS OF SELECTED WORK CHARACTERISTICS OF GRADUATES PRESENTLY EMPLOYED IN RELATED JOBS IN COMPARISON WITH OTHER WORKERS IN THEIR WORK GROUPS

Table 31 summarizes selected aspects of employer evaluations of the graduates who were employed in related jobs one year after graduation. Each of the employer evaluations were made by comparing the graduates with other employees in their work groups on the following criteria: (1) quality of employee work, (2) quantity of employee work, (3) knowledge important to job success, (4) ability to operate equipment and apparatus and (5) reading, verbal, and computational skills.

TABLE 32 - EMPLOYERS' OVERALL JUDGMENTS OF GRADUATES PRESENTLY EMPLOYED IN RELATED JOBS AS COMPARED WITH OTHER WORKERS IN THEIR WORK GROUPS

Table 32 indicates the number of graduates whose employers rated them: (1) in the top 1/4, (2) in the top 1/2 but not in the top 1/4, (3) in the bottom 1/2 but not the lowest 1/4, and (4) in the lowest 1/4 categories compared with other workers in their work groups. Category (5) indicates the number who did not respond or were employed in unrelated jobs. The aspects judged were competency, effectiveness, proficiency, general overall work attitudes and other elements of successful job performance.

TABLE 33 - EMPLOYERS' JUDGMENTS OF SELECTED PERSONAL CHARACTERISTICS  
OF PRESENTLY EMPLOYED GRADUATES AS COMPARED TO  
OTHER WORKERS IN THEIR WORK GROUPS

Table 33 summarizes the employers' evaluations of selected personal characteristics of the graduates who were employed one year after graduation. Each of the employer evaluations were made by comparing the graduates with other members of their work groups on the following personal characteristics: (1) willingness to accept responsibility, (2) punctuality, (3) work without supervision, (4) willingness to learn and to improve, (5) cooperation with co-workers, (6) cooperation with management, (7) compliance with company policies, rules, and practices and (8) work attendance.

TABLE 34 - NUMBER OF GRADUATES FROM EACH AVTI  
INCLUDED IN THIS SPECIFIC REPORT

Table 34 indicates the number of graduates from each area vocational technical institute included in this report.

TABLE 35 - NUMBER OF STUDENTS INCLUDED IN THIS REPORT WHO  
GRADUATED FROM EACH CURRICULUM AREA

Table 35 includes the number of AVTI graduates from each curriculum area who were included in this report.

TABLE 1-EMPLOYMENT DURING FIRST YEAR - GRADUATES  
 EMPLOYMENT DURING FIRST YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. EMPLOYED AT TIME OF FOLLOW-UP . . .	5645	81.69
2. EMPLOYED PRIOR TO, NOT AT FOLLOW-UP	712	10.30
3. NOT EMPLOYED SINCE GRADUATION . . .	553	8.00
T O T A L S	6910	99.99

TABLE 2-FIRST JOB RELATEDNESS - DEGREE OF RELATEDNESS  
 OF GRADUATES FIRST JOBS TO AVTI TRAINING

C A T E G O R Y	NUMBER	PERCENT
1. CLOSELY RELATED . . . . .	4314	62.43
2. BROADLY RELATED . . . . .	795	11.51
3. UNRELATED . . . . .	1248	18.06
DID NOT INDICATE FIRST JOB . . . . .	553	8.00
T O T A L S	6910	100.00

TABLE 3-FIRST JOB OCCUPATIONAL CLUSTER - BROAD  
OCCUPATIONAL CLUSTERS OF GRADUATES FIRST JOBS

C A T E G O R Y	NUMBER	PERCENT
1. ACCOUNTING ETC.-RELATED OCC. (901)	1629	25.64
2. AG-RELATED OCCUPATIONS (902) . . . .	193	3.04
3. ART-RELATED OCCUPATIONS (903) . . .	64	1.01
4. BROADCASTING-RELATED OCC. (904) . .	13	0.20
5. CLOTHING-RELATED OCCUPATIONS (905)	101	1.59
6. CONSTRUCTION WORKER-REL. OCC. (906)	178	2.80
7. CUSTODIAL-RELATED OCCUPATIONS (907)	49	0.77
8. DRAFTING-RELATED OCCUPATIONS (908)	193	3.04
9. EDUCATIONAL AIDE-RELATED OCC. (909)	43	0.68
10. ELECTRON/ELECTRIC-RELATED OCC. (910)	325	5.12
11. ELECTRO-MECH. TECH.-REL. OCC. (911)	65	1.02
12. FARRIER-RELATED OCCUPATIONS (912)	12	0.19
13. FOOD SERVING AND/OR PROCESSING (913)	341	5.37
14. FOREST INDUSTRY-REL. OCC. (914) . .	20	0.31
15. GRAPHIC ARTS-RELATED OCC. (915) . .	78	1.23
16. GROOMING-RELATED OCCUPATIONS (916)	91	1.43
17. HEALTH-RELATED OCCUPATIONS (917) . .	759	11.95
18. IND. SUPERVISION-REL. OCC. (918) . .	2	0.03
19. JEWELRY/WATCH REPAIR REL. OCC. (919)	12	0.19
20. LABORATORY ASSISTANT-REL. OCC. (920)	103	1.62
21. LANDSCAPE/FLORISTRY REL. OCC. (921)	43	0.68
22. LAW ENFORCEMENT-REL. OCC. (922) . .	31	0.49
23. MACHINERY REPAIR-REL. OCC. (923) . .	643	10.12
24. MACHINIST-RELATED OCCUPATIONS (924)	240	3.78
25. MASONRY-RELATED OCCUPATIONS (925)	10	0.16
26. MISCELLANEOUS OCCUPATIONS (943) . .	54	0.85
27. MOBILE HOME SERVICE-REL. OCC. (926)	2	0.03
28. NEWSPAPER-RELATED OCCUPATIONS (927)	1	0.02
29. OFFICE MACHINE MECH.-REL. OCC (928)	9	0.14
30. OPTIC-RELATED OCCUPATIONS (929) . .	19	0.30
31. PAINTING/DECORATING-REL. OCC. (930)	13	0.20
32. PHOTOGRAPHIC-RELATED OCC. (931) . .	1	0.02
33. PIPEFITTING/PLUMBING-REL. OCC. (932)	48	0.76
34. SALES-RELATED OCCUPATIONS (933) . .	355	5.59
35. SHEET METAL-RELATED OCC. (934) . . .	7	0.11
36. SHOE REPAIRING-REL. OCC. (935) . . .	4	0.06
37. TESTING-RELATED OCCUPATIONS (936)	7	0.11
38. TRANSPORTATION-RELATED OCC. (937)	101	1.59
39. UNSKILLED WORKER (942) . . . . .	287	4.52
40. UPHOLSTERING-RELATED OCC. (938) . .	7	0.11
41. WASTE/WATER TECH.-REL. OCC. (939)	9	0.14
42. WELDING-RELATED OCCUPATIONS (940)	170	2.68
43. WOODWORKING-RELATED OCC. (941) . . .	21	0.33
DID NOT RESPOND/NO FIRST JOB . . . .	557	**
T O T A L S	6910	100.02

TABLE 4--FIRST JOB LOCATION - GEOGRAPHIC  
LOCATIONS OF GRADUATES FIRST JOBS

C A T E G O R Y	NUMBER	PERCENT
1. MINNESOTA ECONOMIC REGION 1 . . . . .	139	2.19
2. MINNESOTA ECONOMIC REGION 2 . . . . .	64	1.01
3. MINNESOTA ECONOMIC REGION 3 . . . . .	416	6.54
4. MINNESOTA ECONOMIC REGION 4 . . . . .	375	5.90
5. MINNESOTA ECONOMIC REGION 5 . . . . .	172	2.71
6. MINNESOTA ECONOMIC REGION 6 . . . . .	298	4.69
7. MINNESOTA ECONOMIC REGION 7 . . . . .	575	9.05
8. MINNESOTA ECONOMIC REGION 8 . . . . .	310	4.88
9. MINNESOTA ECONOMIC REGION 9 . . . . .	475	7.47
10. MINNESOTA ECONOMIC REGION 10 . . . . .	744	11.70
11. MINNESOTA ECONOMIC REGION 11 . . . . .	2143	33.71
12. IOWA . . . . .	55	0.87
13. NORTH DAKOTA . . . . .	216	3.40
14. SOUTH DAKOTA . . . . .	71	1.12
15. WISCONSIN . . . . .	80	1.26
16. OTHER STATES, COUNTRIES . . . . .	224	3.52
DID NOT INDICATE FIRST JOB . . . . .	553	**
T O T A L S	6910	100.02

TABLE 5--FIRST JOB FULL OR PART-TIME-  
FULL OR PART-TIME STATUS OF GRADUATES FIRST JOBS

C A T E G O R Y	NUMBER	PERCENT
1. FULL-TIME EMPLOYMENT . . . . .	5443	89.69
2. PART-TIME EMPLOYMENT . . . . .	626	10.31
DID NOT RESPOND/NO FIRST JOB . . . . .	841	**
T O T A L S	6910	100.00

TABLE 6--EMPLOYMENT STATUS ONE YEAR AFTER GRADUATION -  
GRADUATES EMPLOYED, UNEMPLOYED, OR UNAVAILABLE  
FOR EMPLOYMENT ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. EMPLOYED CLOSELY RELATED . . . . .	3707	53.65
2. EMPLOYED BROADLY RELATED . . . . .	715	10.35
3. EMPLOYED UNRELATED . . . . .	1225	17.73
4. UNAVAILABLE FOR EMPLOYMENT . . . . .	870	12.59
5. UNEMPLOYED . . . . .	393	5.69
T O T A L S	6910	100.01

TABLE 7-UNAVAILABILITY - REASONS GRADUATES WERE UNAVAILABLE FOR EMPLOYMENT ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. MILITARY . . . . .	360	41.38
2. FURTHER TRAINING . . . . .	120	13.79
3. ILLNESS . . . . .	38	4.37
4. HOUSEWIFE OR PREGNANCY . . . . .	259	29.77
5. OTHER . . . . .	51	5.86
6. NOT WORKING AND NOT INT. IN EMP. . . . .	42	4.83
7. EMPLOYED/AVAILABLE FOR EMP. . . . .	6040	**
T O T A L S	6910	100.00

TABLE 8-PRESENT JOB FULL OR PART-TIME - FULL OR PART-TIME STATUS OF GRADUATES JOBS ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. FULL-TIME EMPLOYMENT . . . . .	4901	93.71
2. PART-TIME EMPLOYMENT . . . . .	329	6.29
DID NOT RESPOND/NO PRESENT JOB . . . . .	1680	**
T O T A L S	6910	100.00



TABLE 9-PRESENT JOB OCCUPATIONAL CLUSTER -  
BROAD OCCUPATIONAL CLUSTERS OF GRADUATES  
JOBS ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. ACCOUNTING ETC.-RELATED OCC. (901)	1482	26.26
2. AG-RELATED OCCUPATIONS (902) . . . .	201	3.56
3. ART-RELATED OCCUPATIONS (903) . . .	59	1.05
4. BROADCASTING-RELATED OCC. (904) . .	10	0.18
5. CLOTHING-RELATED OCCUPATIONS (905)	80	1.42
6. CONSTRUCTION WORKER-REL. OCC. (906)	151	2.68
7. CUSTODIAL-RELATED OCCUPATIONS (907)	46	0.82
8. DRAFTING-RELATED OCCUPATIONS (908)	176	3.12
9. EDUCATIONAL AIDE-RELATED OCC. (909)	35	0.62
10. ELECTRON/ELECTRIC-RELATED OCC. (910)	326	5.78
11. ELECTRO-MECH. TECH.-REL. OCC. (911)	55	0.97
12. FARRIER-RELATED OCCUPATIONS (912)	12	0.21
13. FOOD SERVING AND/OR PROCESSING (913)	238	4.22
14. FOREST INDUSTRY-REL. OCC. (914) . .	21	0.37
15. GRAPHIC ARTS-RELATED OCC. (915) . .	67	1.19
16. GROOMING-RELATED OCCUPATIONS (916)	73	1.29
17. HEALTH-RELATED OCCUPATIONS (917) . .	641	11.36
18. IND. SUPERVISION-REL. OCC. (918) . .	3	0.05
19. JEWELRY/WATCH REPAIR REL. OCC. (919)	10	0.18
20. LABORATORY ASSISTANT-REL. OCC. (920)	100	1.77
21. LANDSCAPE/FLORISTRY REL. OCC. (921)	32	0.57
22. LAW ENFORCEMENT-REL. OCC. (922) . .	31	0.55
23. MACHINERY REPAIR-REL. OCC. (923) . .	504	8.93
24. MACHINIST-RELATED OCCUPATIONS (924)	225	3.99
25. MASONRY-RELATED OCCUPATIONS (925)	13	0.23
26. MISCELLANEOUS OCCUPATIONS (923) . .	64	1.13
27. MOBILE HOME SERVICE-REL. OCC. (926)	4	0.07
28. NEWSPAPER-RELATED OCCUPATIONS (927)	1	0.02
29. OFFICE MACHINE MECH.-REL. OCC (928)	10	0.18
30. OPTIC-RELATED OCCUPATIONS (929) . .	15	0.27
31. PAINTING/DECORATING-REL. OCC. (930)	7	0.12
32. PHOTOGRAPHIC-RELATED OCC. (931) . .	2	0.04
33. PIPEFITTING/PLUMBING-REL. OCC. (932)	47	0.83
34. SALES-RELATED OCCUPATIONS (933) . .	347	6.15
35. SHEET METAL-RELATED OCC. (934) . . .	11	0.19
36. SHOE REPAIRING-REL. OCC. (935) . . .	3	0.05
37. TESTING-RELATED OCCUPATIONS (936)	6	0.11
38. TRANSPORTATION-RELATED OCC. (937)	92	1.63
39. UNSKILLED WORKER (942) . . . . .	246	4.36
40. UPHOLSTERING-RELATED OCC. (938) . .	7	0.12
41. WASTE/WATER TECH.-REL. OCC. (939)	10	0.18
42. WELDING-RELATED OCCUPATIONS (940)	159	2.82
43. WOODWORKING-RELATED OCC. (941) . . .	22	0.39
DID NOT RESPOND/NO FIRST JOB . . . .	1266	**
T O T A L S	6910	100.03

TABLE 10-PRESENT JOB LOCATION - GEOGRAPHIC LOCATIONS  
OF GRADUATES JOBS ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. MINNESOTA ECONOMIC REGION 1 . . . . .	118	2.09
2. MINNESOTA ECONOMIC REGION 2 . . . . .	64	1.13
3. MINNESOTA ECONOMIC REGION 3 . . . . .	360	6.38
4. MINNESOTA ECONOMIC REGION 4 . . . . .	313	5.54
5. MINNESOTA ECONOMIC REGION 5 . . . . .	141	2.50
6. MINNESOTA ECONOMIC REGION 6 . . . . .	292	5.17
7. MINNESOTA ECONOMIC REGION 7 . . . . .	483	8.55
8. MINNESOTA ECONOMIC REGION 8 . . . . .	285	5.05
9. MINNESOTA ECONOMIC REGION 9 . . . . .	400	7.08
10. MINNESOTA ECONOMIC REGION 10 . . . . .	612	10.84
11. MINNESOTA ECONOMIC REGION 11 . . . . .	1930	34.18
12. IOWA . . . . .	48	0.85
13. NORTH DAKOTA . . . . .	210	3.72
14. SOUTH DAKOTA . . . . .	79	1.40
15. WISCONSIN . . . . .	74	1.31
16. OTHER STATES, COUNTRIES . . . . .	238	4.21
DID NOT INDICATE PRESENT JOB . . . . .	1263	**
T O T A L S	6910	100.00

TABLE 11-NUMBER OF JOBS - NUMBER OF JOBS HELD BY  
GRADUATES DURING THE FIRST YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. ONE JOB . . . . .	3127	56.82
2. TWO JOBS . . . . .	1766	32.09
3. THREE JOBS . . . . .	480	8.72
4. FOUR JOBS . . . . .	130	2.36
DID NOT RESPOND . . . . .	1407	**
T O T A L S	6910	99.99

TABLE 12-JOB ADVANCEMENT - FORMAL JOB ADVANCEMENT  
OF GRADUATES EMPLOYED ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. GRADUATE RECEIVED ADVANCEMENT . . . . .	1529	25.55
2. GRADUATE DID NOT RECEIVE ADVANCEMENT . . . . .	4455	74.45
DID NOT RESPOND . . . . .	926	**
T O T A L S	6910	100.00

TABLE 13-FIRST MONTH SALARIES - FIRST MONTHLY SALARIES OF GRADUATES EMPLOYED DURING THE FIRST YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. UNDER \$250 . . . . .	705	14.80
2. 250 - 299 . . . . .	403	8.46
3. 300 - 349 . . . . .	618	12.98
4. 350 - 399 . . . . .	640	13.44
5. 400 - 449 . . . . .	782	16.42
6. 450 - 499 . . . . .	435	9.13
7. 500 - 549 . . . . .	414	8.69
8. 550 - 599 . . . . .	242	5.08
9. 600 - 649 . . . . .	217	4.56
10. 650 - 699 . . . . .	88	1.85
11. 700 + . . . . .	218	4.58
DID NOT RESPOND/NO FIRST JOB . . . . .	2148	**
T O T A L S	6910	99.99

TABLE 14-PRESENT JOB SALARIES - MONTHLY SALARIES OF EMPLOYED GRADUATES ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. UNDER \$250 . . . . .	337	8.02
2. 250 - 299 . . . . .	237	5.64
3. 300 - 349 . . . . .	398	9.47
4. 350 - 399 . . . . .	464	11.04
5. 400 - 449 . . . . .	701	16.68
6. 450 - 499 . . . . .	458	10.90
7. 500 - 549 . . . . .	435	10.35
8. 550 - 599 . . . . .	286	6.80
9. 600 - 649 . . . . .	323	7.68
10. 650 - 699 . . . . .	147	3.50
11. 700 + . . . . .	417	9.92
DID NOT RESPOND/NO PRESENT JOB . . . . .	2707	**
T O T A L S	6910	100.00

TABLE 15-ADDITIONAL TRAINING - GRADUATES PARTICIPATION IN FURTHER EDUCATION DURING THEIR FIRST YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. NONE . . . . .	4320	62.56
2. ON-THE-JOB TRAINING . . . . .	1006	14.57
3. PUBLIC AREA VOCATIONAL SCHOOL . . . . .	219	3.17
4. PRIVATE VOCATIONAL SCHOOL . . . . .	37	0.54
5. COLLEGE AND/OR JUNIOR COLLEGE . . . . .	217	3.14
6. APPRENTICESHIP . . . . .	268	3.88
7. SPECIALIZED MILITARY TRAINING . . . . .	193	2.80
8. OTHER . . . . .	193	2.80
9. WITH COMBINATION OF 2 AND 3 . . . . .	30	0.43
10. WITH COMBINATION OF 2 AND 4 . . . . .	14	0.20
11. WITH COMBINATION OF 2 AND 5 . . . . .	52	0.75
12. WITH COMBINATION OF 2 AND 6 . . . . .	117	1.69
13. WITH COMBINATION OF 2 AND 7 . . . . .	36	0.52
14. WITH COMBINATION OF 2 AND 8 . . . . .	58	0.84
15. WITH COMBINATION OF 3 AND 4 . . . . .	3	0.04
16. WITH COMBINATION OF 3 AND 5 . . . . .	11	0.16
17. WITH COMBINATION OF 3 AND 6 . . . . .	27	0.39
18. WITH COMBINATION OF 3 AND 7 . . . . .	1	0.01
19. WITH COMBINATION OF 3 AND 8 . . . . .	11	0.16
20. WITH COMBINATION OF 4 AND 6 . . . . .	5	0.07
21. WITH COMBINATION OF 4 AND 8 . . . . .	3	0.04
22. WITH COMBINATION OF 5 AND 6 . . . . .	6	0.09
23. WITH COMBINATION OF 5 AND 7 . . . . .	2	0.03
24. WITH COMBINATION OF 5 AND 8 . . . . .	4	0.06
25. WITH COMBINATION OF 6 AND 7 . . . . .	6	0.09
26. WITH COMBINATION OF 6 AND 8 . . . . .	15	0.22
27. WITH COMBINATION OF 7 AND 8 . . . . .	5	0.07
28. WITH COMBINATION OF 2, 3 AND 4 . . . . .	1	0.01
29. WITH COMBINATION OF 2, 3 AND 5 . . . . .	3	0.04
30. WITH COMBINATION OF 2, 3 AND 6 . . . . .	11	0.16
31. WITH COMBINATION OF 2, 3 AND 7 . . . . .	1	0.01
32. WITH COMBINATION OF 2, 3 AND 8 . . . . .	1	0.01
33. WITH COMBINATION OF 2, 4 AND 5 . . . . .	1	0.01
34. WITH COMBINATION OF 2, 4 AND 6 . . . . .	5	0.07
35. WITH COMBINATION OF 2, 4 AND 7 . . . . .	1	0.01
36. WITH COMBINATION OF 2, 5 AND 6 . . . . .	2	0.03
37. WITH COMBINATION OF 2, 5 AND 7 . . . . .	1	0.01
38. WITH COMBINATION OF 2, 5 AND 8 . . . . .	2	0.03
39. WITH COMBINATION OF 2, 6 AND 7 . . . . .	7	0.10
40. WITH COMBINATION OF 2, 6 AND 8 . . . . .	5	0.07
41. WITH COMBINATION OF 3, 5 AND 6 . . . . .	2	0.03
42. WITH COMBINATION OF 3, 5 AND 8 . . . . .	1	0.01
43. WITH COMBINATION OF 4, 6 AND 7 . . . . .	1	0.01
44. WITH COMBINATION OF 4, 6 AND 8 . . . . .	1	0.01
DID NOT RESPOND . . . . .	5	**
T O T A L S		
	6910	99.94

TABLE 16-OVERALL JOB SATISFACTION - GRADUATES PRESENTLY EMPLOYED IN RELATED JOBS OVERALL FEELINGS ABOUT THEIR JOBS

C A T E G O R Y	NUMBER	PERCENT
1. LIKE IT VERY MUCH . . . . .	2743	63.73
2. LIKE IT SOMEWHAT . . . . .	1111	25.81
3. NEITHER LIKE NOR DISLIKE IT . . . . .	197	4.58
4. DISLIKE IT SOMEWHAT . . . . .	213	4.95
5. DISLIKE IT VERY MUCH . . . . .	40	0.93
DID NOT RESPOND/EMPL. UNRELATED JOBS	2606	**
T O T A L S	6910	100.00

TABLE 17-OVERALL JOB SATISFACTION - GRADUATES PRESENTLY EMPLOYED IN UNRELATED JOBS OVERALL FEELINGS ABOUT THEIR JOBS

C A T E G O R Y	NUMBER	PERCENT
1. LIKE IT VERY MUCH . . . . .	3239	59.20
2. LIKE IT SOMEWHAT . . . . .	1461	26.70
3. NEITHER LIKE NOR DISLIKE IT . . . . .	363	6.63
4. DISLIKE IT SOMEWHAT . . . . .	320	5.85
5. DISLIKE IT VERY MUCH . . . . .	88	1.61
DID NOT RESPOND/EMPL. RELATED JOBS	1439	**
T O T A L S	6910	99.99

TABLE 18-SATISFACTION WITH SELECTED JOB CHARACTERISTICS -  
GRADUATES PRESENTLY EMPLOYED IN RELATED JOBS RATINGS OF THE  
DEGREE TO WHICH THEY WERE SATISFIED WITH SELECTED  
CHARACTERISTICS OF THEIR JOBS

I T E M		SATIS FIED	NOT SURE	DISSAT ISFIED	NO RSP /UNREL	TOTALS
1. SALARY	NO.	2066	1136	1107	2601	6910
	PCT.	47.95	26.36	25.69	**	99.99
2. FRINGE BENEFITS	NO.	2635	853	800	2622	6910
	PCT.	61.45	19.99	18.66	**	99.99
3. POTENTIAL FOR ADVANCEMENT	NO.	1762	1507	992	2649	6910
	PCT.	41.35	35.37	23.28	**	99.99
4. SUPERVISION AND MANAGEMENT	NO.	2921	884	488	2617	6910
	PCT.	68.04	20.59	11.37	**	99.99
5. CO-WORKERS	NO.	3724	430	120	2636	6910
	PCT.	87.13	10.06	2.81	**	99.99
6. CO. POLICIES AND PRACTICES	NO.	2461	1232	577	2640	6910
	PCT.	57.63	28.85	13.51	**	99.99
7. PACE (SPEED) OF WORK	NO.	3546	497	248	2619	6910
	PCT.	82.64	11.58	5.78	**	99.98
8. FACILITIES AND EQUIPMENT	NO.	3253	540	505	2612	6910
	PCT.	75.69	12.56	11.75	**	99.98
9. WORK CONDITIONS	NO.	3443	536	314	2617	6910
	PCT.	80.20	12.49	7.31	**	99.99
10. VARIETY OF WORK TASKS	NO.	3545	446	300	2619	6910
	PCT.	82.61	10.39	6.99	**	99.99
11. JOB SECURITY	NO.	3262	782	243	2623	6910
	PCT.	76.09	18.24	5.67	**	99.99
12. SAFETY CONDITIONS	NO.	3636	477	191	2606	6910
	PCT.	84.48	11.08	4.44	**	99.98

TABLE 19-SATISFACTION WITH SELECTED JOB CHARACTERISTICS -  
GRADUATES PRESENTLY EMPLOYED IN UNRELATED JOBS RATINGS OF  
THE DEGREE TO WHICH THEY WERE SATISFIED WITH SELECTED  
CHARACTERISTICS OF THEIR JOBS

I T E M		SATIS FIED	NOT SURE	DISSAT ISFIED	NO RSP /UNREL	TOTALS
1. SALARY	NO.	2645	1382	1436	1447	6910
	PCT.	48.42	25.30	26.29	**	99.98
2. FRINGE BENEFITS	NO.	3209	1106	1107	1488	6910
	PCT.	59.18	20.40	20.42	**	99.98
3. POTENTIAL FOR ADVANCEMENT	NO.	2173	1864	1356	1517	6910
	PCT.	40.29	34.56	25.14	**	99.99
4. SUPERVISION AND MANAGEMENT	NO.	3646	1119	662	1483	6910
	PCT.	67.18	20.62	12.20	**	99.98
5. CO-WORKERS	NO.	4687	549	167	1507	6910
	PCT.	86.75	10.16	3.09	**	99.99
6. CO. POLICIES AND PRACTICES	NO.	3058	1560	779	1513	6910
	PCT.	56.66	28.90	14.43	**	99.99
7. PACE (SPEED) OF WORK	NO.	4449	639	346	1476	6910
	PCT.	81.87	11.76	6.37	**	99.98
8. FACILITIES AND EQUIPMENT	NO.	4022	719	698	1471	6910
	PCT.	73.95	13.22	12.83	**	99.98
9. WORK CONDITIONS	NO.	4252	729	462	1467	6910
	PCT.	78.12	13.39	8.49	**	99.98
10. VARIETY OF WORK TASKS	NO.	4378	608	452	1472	6910
	PCT.	80.51	11.18	8.31	**	99.99
11. JOB SECURITY	NO.	3988	1071	376	1475	6910
	PCT.	73.38	19.71	6.92	**	99.98
12. SAFETY CONDITIONS	NO.	4503	661	286	1460	6910
	PCT.	82.62	12.13	5.25	**	99.98

TABLE 20-GRADUATES RATINGS OF THEIR PROGRAM CURRICULUMS -  
GRADUATES EMPLOYED ANYTIME DURING THE YEAR IN RELATED JOBS  
JUDGEMENTS OF THE TRAINING THEY RECEIVED AT THE AVTI IN  
BASIC JOB-RELATED (PERFORMANCE) SKILLS AND GENERAL  
TECHNICAL KNOWLEDGE IN LIGHT OF THEIR EXPERIENCES ON THE JOB

I T E M		EXCEL- LENT	VERY GOOD	ADE- QUATE	INADE- QUATE	NO RSP /UNREL	TOTALS
1. BASIC JOB SKILL (PERF. SKILLS)	NO.	1262	2152	1574	289	1633	6910
	PCT.	23.92	40.78	29.83	5.48	**	99.98
2. JOB REL. GEN. TECH. KNOWLEDGE	NO.	1166	2252	0	0	3492	6910
	PCT.	34.11	65.89	0.00	0.00	**	99.99



TABLE 21-AVTI FACILITIES AND EQUIPMENT - GRADUATES EMPLOYED ANYTIME DURING THE YEAR IN RELATED JOBS JUDGEMENTS OF THE EASE WITH WHICH THEY WERE ABLE TO ADAPT TO FACILITIES AND EQUIPMENT ON THE JOB

C A T E G O R Y	NUMBER	PERCENT
1. FOUND IT VERY EASY TO ADAPT . . . .	4102	78.55
2. HAD SOME PROBLEMS ADAPTING . . . .	1034	19.80
3. FOUND IT VERY DIFFICULT TO ADAPT . .	86	1.65
DID NOT RESPOND/EMPL. UNRELATED JOBS	1688	**
T O T A L S	6910	100.00

TABLE 22-GRADUATES EMPLOYED ANYTIME DURING THE YEAR IN RELATED JOBS COMPARISONS OF THE AVTI FACILITIES AND EQUIPMENT WITH THOSE ON THE JOB

C A T E G O R Y	NUMBER	PERCENT
1. AVTI FACILITIES/EQUIP. WERE SUPERIOR	1357	26.69
2. AVTI FACILITIES/EQUIP. WERE SIMILIAR	3274	64.39
3. AVTI FACILITIES/EQUIP. WERE INFERIOR	454	8.93
DID NOT RESPOND/EMPL. UNRELATED JOBS	1825	**
T O T A L S	6910	100.01

TABLE 23-INSTRUCTOR UP-TO-DATENESS - GRADUATES EMPLOYED ANYTIME DURING THE YEAR IN RELATED JOBS JUDGEMENTS OF THE EXTENT TO WHICH THEIR INSTRUCTORS WERE UP-TO-DATE IN THEIR FIELDS

C A T E G O R Y	NUMBER	PERCENT
1. MOST INSTRUCTORS WERE UP-TO-DATE . .	4465	83.72
2. ABOUT SAME NO. WERE AS WERE NOT . .	731	13.71
3. MOST INSTRUCTORS WERE NOT UP-TO-DATE	137	2.57
DID NOT RESPOND/EMPL. UNRELATED JOBS	1577	**
T O T A L S	6910	100.00

TABLE 24-TEACHING QUALITY OF AVTI INSTRUCTORS - GRADUATES JUDGEMENTS OF THE TEACHING QUALITY OF THE INSTRUCTORS ASSOCIATED WITH THEIR TRAINING PROGRAMS

C A T E G O R Y	NUMBER	PERCENT
1. MOST INSTRUCTORS TAUGHT VERY WELL	4948	74.15
2. SAME NO. TAUGHT WELL AS DID NOT . .	1489	22.31
3. MOST INSTRUCTORS DID NOT TEACH WELL	236	3.54
DID NOT RESPOND . . . . .	237	**
T O T A L S	6910	100.00



TABLE 25-INSTRUCTOR KNOWLEDGEABILITY - GRADUATES  
 JUDGEMENTS OF THE KNOWLEDGE POSSESSED BY THE  
 INSTRUCTORS OF THEIR TRAINING PROGRAMS

C A T E G O R Y	NUMBER	PERCENT
1. MOST WERE VERY KNOWLEDGEABLE . . . .	5639	84.50
2. ABOUT THE SAME NO. WERE AS WERE NOT	951	14.25
3. MOST WERE NOT KNOWLEDGEABLE . . . .	83	1.24
DID NOT RESPOND . . . . .	237	**
T O T A L S	6910	99.99

TABLE 26- INSTRUCTOR INTEREST IN STUDENT PROGRAM PROGRESS -  
 GRADUATES JUDGEMENTS OF THE INTEREST SHOWN BY INSTRUCTORS IN  
 THEIR WORK PROGRESS AT THE AVTI

C A T E G O R Y	NUMBER	PERCENT
1. MOST WERE VERY INT. IN MY PROGRESS	4346	65.30
2. MOST WERE SOMEWHAT INT. IN MY PROG.	1987	29.86
3. MOST DID NOT SEEM INT. IN MY PROG.	322	4.84
DID NOT RESPOND . . . . .	255	**
T O T A L S	6910	100.00

TABLE 27-PROGRAM CHOICE - GRADUATES SATISFACTION WITH  
 THEIR ORIGINAL PROGRAM CHOICE ONE YEAR AFTER GRADUATION

C A T E G O R Y	NUMBER	PERCENT
1. WOULD CHOOSE SAME PROGRAM AGAIN . .	4725	72.73
2. WOULD NOT CHOOSE SAME PROGRAM AGAIN	1772	27.27
DID NOT RESPOND . . . . .	413	**
T O T A L S	6910	100.00

TABLE 28-PERSON OR GROUP MOST INFLUENTIAL IN  
 HELPING GRADUATES TO SECURE THEIR FIRST JOBS

C A T E G O R Y	NUMBER	PERCENT
1. INSTRUCTOR OR OTHER AVTI PERSONNEL	2234	34.93
2. PRIVATE EMPLOYMENT AGENCY . . . . .	161	2.52
3. RELATIVES OR FRIENDS . . . . .	1474	23.05
4. STATE EMPLOYMENT AGENCY . . . . .	335	5.24
5. MYSELF OR OTHER . . . . .	1919	30.01
6. HAVE NOT BEEN EMPLOYED DURING THE YR	272	4.25
DID NOT RESPOND . . . . .	515	**
T O T A L S	6910	100.00

TABLE 29-GRADUATES JUDGEMENTS OF  
THE QUALITY OF SELECTED SERVICES AND FACILITIES  
PROVIDED BY THE AVTI

I T E M		EXCEL- LENT	GOOD	POOR	DOESNT APPLY	NO RSP	TOTALS
1. JOB PLACEMENT	NO.	1106	1920	1312	2189	383	6910
	PCT.	16.94	29.42	20.10	33.54	**	99.98
2. COUNSELING WITH PERSONAL PROB.	NO.	857	2204	731	2706	412	6910
	PCT.	13.19	33.92	11.25	41.64	**	99.97
3. HELP IN MAKING CAR. DECISIONS	NO.	788	2564	804	2325	429	6910
	PCT.	12.16	39.56	12.41	35.87	**	99.98
4. HELP IN SECURE PT EMPLOYMENT	NO.	749	1520	1012	3204	425	6910
	PCT.	11.55	23.44	15.61	49.41	**	99.97
5. HELP IN OBTAIN FINANCIAL ASST.	NO.	911	1464	405	3699	431	6910
	PCT.	14.06	22.60	6.25	57.09	**	99.99
6. HELP IN SECURE HOUSING	NO.	856	1388	380	3848	438	6910
	PCT.	13.23	21.45	5.87	59.46	**	99.98
7. YOUTH ORGANIZATIONS	NO.	572	1857	859	3157	465	6910
	PCT.	8.88	28.81	13.33	48.98	**	99.98
8. RECREATION PROGRAMS	NO.	736	2269	1043	2419	443	6910
	PCT.	11.38	35.09	16.13	37.41	**	99.98
9. STUDY/LIB/OTHER LEARNING FACIL.	NO.	918	2513	1500	1545	434	6910
	PCT.	14.18	38.80	23.16	23.86	**	99.98
10. HEALTH SERVICES	NO.	571	2044	786	3054	455	6910
	PCT.	8.85	31.67	12.18	47.31	**	99.98

TABLE 30-GRADUATES JUDGEMENTS OF  
THE QUALITY OF THE SERVICES AND FACILITIES  
PROVIDED BY THE COMMUNITY IN WHICH THE AVTI IS LOCATED

I T E M		EXCEL- LENT	GOOD	POOR	DOESNT APPLY	NO RSP	TOTALS
1. HOUSING	NO.	804	2674	942	2131	359	6910
	PCT.	12.27	40.82	14.38	32.53	**	99.97
2. JOB OPPORTUN- ITIES	NO.	386	2289	2729	1153	353	6910
	PCT.	5.89	34.91	41.62	17.58	**	99.97
3. RECREATION FACILITIES	NO.	820	2956	1460	1315	359	6910
	PCT.	12.52	45.12	22.29	20.07	**	99.98

TABLE 31-EMPLOYERS JUDGEMENTS OF  
 SELECTED WORK CHARACTERISTICS OF GRADUATES  
 PRESENTLY EMPLOYED IN RELATED JOBS IN COMPARISON WITH  
 OTHER WORKERS IN THEIR WORK GROUPS

I T E M		ABOVE AVER.	ABOUT AVER.	BELOW AVER.	NO RSP /UNREL	TOTALS
1. QUALITY OF EMPLOYEE WORK	NO. PCT.	1778 45.66	1994 51.21	122 3.13	3016 **	6910 99.98
2. QUANTITY OF EMPLOYEE WORK	NO. PCT.	1402 36.05	2241 57.62	246 6.33	3021 **	6910 99.99
3. KNOWLEDGE IMP. TO JOB SUCCESS	NO. PCT.	1456 37.48	2205 56.76	224 5.77	3025 **	6910 99.98
4. ABILITY/OPERATE EQUIP-APPARATUS	NO. PCT.	1641 42.44	2141 55.37	85 2.20	3043 **	6910 99.98
5. READING/VERBAL COMP. SKILLS	NO. PCT.	1362 35.09	2343 60.37	176 4.53	3029 **	6910 99.99

TABLE 32-EMPLOYERS OVERALL JUDGEMENTS OF GRADUATES  
 PRESENTLY EMPLOYED IN RELATED JOBS (COMPETENCY,  
 EFFECTIVENESS, PROFICIENCY, GENERAL OVER-ALL WORK ATTITUDES  
 AND OTHER ELEMENTS OF SUCCESSFUL JOB PERFORMANCE)  
 AS COMPARED WITH OTHER WORKERS IN THEIR WORK GROUPS

C A T E G O R Y	NUMBER	PERCENT
1. IN TOP 1/4 . . . . .	1872	49.15
2. IN TOP 1/2 - NOT TOP 1/4 . . . . .	1463	38.41
3. IN BOTTOM 1/2 - NOT LOWEST 1/4 . . . . .	388	10.19
4. IN LOWEST 1/4 . . . . .	86	2.26
DID NOT RESPOND/EMPL. UNRELATED JOBS	3101	**
T O T A L S	6910	100.01

TABLE 33-EMPLOYERS JUDGEMENTS OF SELECTED PERSONAL CHARACTERISTICS OF PRESENTLY EMPLOYED GRADUATES AS COMPARED TO OTHER WORKERS IN THEIR WORK GROUPS

I T E M		ABOVE AVER.	ABOUT AVER.	BELOW AVER.	NO RSP /UNREL	TOTALS
1. WILLING/ACCEPT RESPONSIBILITY	NO.	2438	2113	279	2080	6910
	PCT.	50.48	43.75	5.78	**	99.98
2. PUNCTUALITY	NO.	2714	1912	213	2071	6910
	PCT.	56.09	39.51	4.40	**	99.99
3. WORK WITHOUT SUPERVISION	NO.	2150	2230	451	2079	6910
	PCT.	44.50	46.16	9.34	**	99.99
4. WILLINGNESS TO LEARN-IMPROVE	NO.	2948	1700	189	2073	6910
	PCT.	60.95	35.15	3.91	**	99.98
5. COOPERATION WITH CO-WORKERS	NO.	2768	1952	106	2084	6910
	PCT.	57.36	40.45	2.20	**	99.98
6. COOPERATION WITH MANAGEMENT	NO.	2769	1945	116	2080	6910
	PCT.	57.33	40.27	2.40	**	99.98
7. COMPLIANCE/CO. POL/RULES/PRAC.	NO.	2242	2473	117	2078	6910
	PCT.	46.40	51.18	2.42	**	99.98
8. WORK ATTENDANCE	NO.	2905	1768	160	2077	6910
	PCT.	60.11	36.58	3.31	**	99.99

TABLE 34-NUMBER OF GRADUATES FROM EACH AVTI  
INCLUDED IN THIS SPECIFIC REPORT

C A T E G O R Y	NUMBER	PERCENT
1. ALBERT LEA . . . . .	31	0.45
2. ALEXANDRIA . . . . .	524	7.58
3. ANOKA . . . . .	813	11.77
4. AUSTIN . . . . .	233	3.37
5. BEMIDJI . . . . .	58	0.84
6. BRAINERD . . . . .	152	2.20
7. CANBY . . . . .	170	2.46
8. DAKOTA COUNTY . . . . .	25	0.36
9. DETROIT LAKES . . . . .	142	2.05
10. DULUTH . . . . .	342	4.95
11. EVELETH . . . . .	134	1.94
12. FARIBAULT . . . . .	134	1.94
13. GRANITE FALLS . . . . .	92	1.33
14. HIBBING . . . . .	99	1.43
15. HUTCHINSON . . . . .	76	1.10
16. JACKSON . . . . .	238	3.44
17. MANKATO . . . . .	280	4.05
18. MINNEAPOLIS . . . . .	237	3.43
19. MOORHEAD . . . . .	355	5.14
20. PINE CITY . . . . .	80	1.16
21. PIPESTONE . . . . .	215	3.11
22. ROCHESTER . . . . .	304	4.40
23. ST. CLOUD . . . . .	429	6.21
24. ST. PAUL . . . . .	725	10.49
25. STAPLES . . . . .	118	1.71
26. THIEF RIVER FALLS . . . . .	136	1.97
27. WADENA . . . . .	72	1.04
28. WILLMAR . . . . .	414	5.99
29. WINONA . . . . .	282	4.08
T O T A L S	6910	99.99

TABLE 35-NUMBER OF STUDENTS INCLUDED IN THIS REPORT  
WHO GRADUATED FROM EACH CURRICULUM AREA

C A T E G O R Y	NUMBER	PERCENT
1. ACCOUNTING . . . . .	344	4.98
2. AGRI-BUSINESS . . . . .	43	0.62
3. AGRI-TECHNOLOGY . . . . .	62	0.90
4. AIRCRAFT MECHANICS . . . . .	72	1.04
5. ARCHITECTURAL DRAFTING . . . . .	125	1.81
6. AUTO BODY REPAIR . . . . .	136	1.97
7. AUTOMOTIVE . . . . .	387	5.60
8. AUTOMOTIVE MACHINIST . . . . .	2	0.03
9. BAKERY PROCEDURES . . . . .	19	0.27
10. BARBERING . . . . .	5	0.07
11. BRICKLAYING . . . . .	7	0.10
12. BROADCASTING . . . . .	9	0.13
13. BUTCHER AND MEAT CUTTING . . . . .	43	0.62
14. CABINETMAKING . . . . .	22	0.32
15. CARPENTRY . . . . .	145	2.10
16. CHEFS, COOKS, AND FOOD MGMT. . . . .	213	3.08
17. CHEMICAL TECHNOLOGY . . . . .	18	0.26
18. CHILD DEVELOPMENT ASST. . . . .	56	0.81
19. CLERICAL TRAINING . . . . .	392	5.67
20. COMMERCIAL ART . . . . .	92	1.33
21. CONSTRUCTION WORKER . . . . .	8	0.12
22. CONSERVATION AND FORESTRY . . . . .	29	0.42
23. COSMETOLOGY . . . . .	115	1.66
24. CUSTODIAL WORKER . . . . .	6	0.09
25. DATA PROCESSING . . . . .	223	3.23
26. DENTAL ASST. . . . .	71	1.03
27. DIESEL MECHANICS . . . . .	109	1.58
28. EDUCATIONAL AIDE . . . . .	18	0.26
29. ELECTRO-MECHANICAL TECH. . . . .	34	0.49
30. ELECTRONICS . . . . .	290	4.20
31. EQUIPMENT PARTS AND SALES . . . . .	47	0.68
32. FARM EQUIPMENT MECHANICS . . . . .	40	0.58
33. FARM PRODUCTION AND MGMT. . . . .	66	0.96
34. FARRIER . . . . .	17	0.25
35. FASHION MERCHANDISING . . . . .	72	1.04
36. FLUID POWER TECH. AND HYD. . . . .	29	0.42
37. HEAVY EQUIPMENT . . . . .	27	0.39
38. HIGHWAY TECH. . . . .	35	0.51
39. INTERIOR DESIGN AND SALES . . . . .	14	0.20
40. INTERNATIONAL DOC. SPEC. . . . .	14	0.20
41. JEWELRY . . . . .	1	0.01
42. LAW ENFORCEMENT . . . . .	35	0.51
43. MACHINE SHOP . . . . .	118	1.71
44. MAINTENANCE MECHANIC . . . . .	2	0.03
45. MARINE AND SMALL ENGINES . . . . .	64	0.93
46. MECHANICAL DRAFTING AND DESIGN . . . . .	137	1.98
47. MECH. REF. AIR COND. AND APP. REPAIR . . . . .	50	0.72
48. MEDICAL CLERICAL . . . . .	71	1.03
49. MEDICAL SECRETARIAL . . . . .	226	3.27
50. MEDICAL LABORATORY ASST. . . . .	92	1.33
51. NEEDLE ARTS . . . . .	45	0.65
52. NURSES AIDE OR ORDERLY . . . . .	249	3.60
53. NURSERY/LANDSCAPE TECHNOLOGY . . . . .	42	0.61

(TABLE CONTINUED ON NEXT PAGE)

(TABLE CONTINUED FROM PREVIOUS PAGE)

54. OCCUPATIONAL THERAPY ASST. . . . .	38	0.55
55. OFFICE MACHINE MECHANICS . . . . .	8	0.12
56. OPTICAL TECHNOLOGY . . . . .	19	0.27
57. PATTERN MAKING . . . . .	1	0.01
58. PLASTIC INJECTION MOLDING TECHNICIAN	7	0.10
59. PLUMBING . . . . .	69	1.00
60. POWER AND HOME ELECTRICITY . . . . .	246	3.56
61. PRACTICAL NURSING . . . . .	447	6.47
62. PRINTING AND GRAPHIC ARTS . . . . .	102	1.48
63. RETAIL FLORIST . . . . .	15	0.22
64. SALES AND BUSINESS MGMT. . . . .	191	2.76
65. SECRETARIAL TRAINING . . . . .	736	10.65
66. SHEET METAL . . . . .	15	0.22
67. SHOE REPAIRING . . . . .	4	0.06
68. SURGICAL TECHNICIAN . . . . .	35	0.51
69. TECHNICAL ILLUSTRATION . . . . .	11	0.16
70. TELEPHONE COMMUNICATIONS . . . . .	11	0.16
71. TESTING TECHNOLOGY AND METAL FAB.	6	0.09
72. TOOL AND DIE . . . . .	85	1.23
73. TRAFFIC TRANSPORTATION MANAGEMENT	13	0.19
74. UPHOLSTERING . . . . .	4	0.06
75. WASTE AND WATER TREATMENT TECHNOLOGY	12	0.17
76. WATCH REPAIR . . . . .	14	0.20
77. WELDING . . . . .	233	3.37
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TOTALS	6910	100.01

## APPENDIX A - SYSTEM CURRICULUM GUIDE

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

The following appendix is useful in interpreting five tables in this report. They include: Table 2 - First Job Relatedness, Table 3 - First Job Occupational Cluster, Table 6 - Employment Status One Year After Graduation, Table 9 - Present Job Occupational Cluster, and Table 35 - Graduates From Each Curriculum. The appendix contains the same broadly and closely related groups that the Vocational Follow-Up System used to code student occupations.

The "900" numbers refer to the broad occupational clusters of related occupations. For example, AGRICULTURAL RELATED OCCUPATIONS (902) is the broad occupational cluster which links Agri-Business (50), Agri-Technology (37), Equipment Parts and Sales (42), Farm Equipment Mechanics (13), and Farm Management (51). This "900" number was used to specify the broad occupational cluster of a student's first job and his job one year after graduation.

The other set of numbers ranges from 01 to (99). These numbers were used to identify the specific curriculum areas from which the graduates included in this report graduated.

Both sets of numbers were also used to determine whether a person was employed in a closely related or a broadly related occupation. If a graduate was employed in an occupation which could be classified as the same curriculum area as the program from which he graduated (e.g., he graduated from Agri-Business (50) and entered an Agri-Business occupation) his job was classified as closely related to training.

If a graduate was employed in an occupation included in the broad occupational cluster but not in the exact occupation for which he trained (e.g., he graduated from Agri-Business (50) and was employed in an Agri-Technology



APPENDIX A - SYSTEM CURRICULUM GUIDE  
(continued)

(37) occupation), his job was classified as broadly related but not closely related to training. In the above example, the student's occupation was coded as 902, AGRICULTURAL RELATED OCCUPATIONS. A person's job was designated unrelated to training if his occupation was not included within the same broad occupational cluster as the curriculum from which he graduated.

In some cases the specific title of a program offered at a specific school varies from the list in this appendix. However, it is quite apparent in most cases where the specific program should be classified.

Some curriculums, such as Fashion Merchandising (57), Farm Equipment Mechanics (13), and Agri-Business (50) are placed under two or three broad occupational clusters because they are broadly related to more than one cluster. For example, a graduate of Farm Equipment Mechanics (13) employed in an occupation under either the AGRICULTURAL RELATED OCCUPATIONS (902) cluster or the MACHINERY REPAIR RELATED OCCUPATIONS (923) cluster would in each case be employed in an occupation broadly related to training.

Such occupations were only classified under one of the categories in the tables which indicate the broad occupational clusters of graduates' first jobs and jobs one year after graduation (tables 3 and 9). They were classified under the broad occupational cluster category in which the curriculum area is preceded by an asterisk (\*). For example, Farm Equipment Mechanics (13) is under both the AGRICULTURAL RELATED OCCUPATIONS (902) and the MACHINERY REPAIR RELATED OCCUPATIONS (923) clusters. However, in coding the job classification of a graduate employed as a farm equipment mechanic in the tables which indicate the broad occupational clusters for his first and present jobs he was categorized in the MACHINERY REPAIR RELATED OCCUPATION (923) category. Therefore, Farm Equipment Mechanics (13) is preceded by an asterisk under the MACHINERY REPAIR RELATED OCCUPATIONS but not under the AGRICULTURAL RELATED OCCUPATIONS (902).

## APPENDIX A - SYSTEM CURRICULUM GUIDE

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

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| <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/>General Office Practice<br/>Insurance Procedures<br/>Loan Clerk<br/>Typing and Related</p> <p>49. <u>Data Processing</u><br/>Clerical Training and<br/>Keypunch<br/>Computer Operator<br/>Computer Programmer<br/>Computer Programming<br/>for Accountants<br/>Keypunch</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/>Educational Office Occupations<br/>Law Enforcement 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>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> |
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## 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
- 66. Child Development Assistant
  - 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

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

924. MACHINIST RELATED OCCUPATIONS  
(continued)

- 11. Machine Shop  
Machine Operator  
Machine Tool Operator  
Machine Tool Process  
Machine Tool Rebuilding  
Machinist  
Numerical Control Technology  
Production Machinist
- 46. Maintenance Mechanic
- 23. Pattern Making
- 26. Plastic Injection Molding  
Technology
- 05. Tool and Die  
Machine Shop - Die Making  
Machine Tool and Die  
Tool Design Technician  
Tool, Die, Mold-Making  
Tool Engineering Technician

## 925. MASONRY RELATED OCCUPATIONS

- 28. Bricklaying

926. MOBILE HOMES SERVICES RELATED  
OCCUPATIONS

- 84. Mobile Homes Services

## 927. NEWSPAPER RELATED OCCUPATIONS

- 87. Newspaper Skills

928. OFFICE MACHINE MECHANIC  
RELATED OCCUPATIONS

- 30. Office Machine Mechanics

## 929. OPTIC RELATED OCCUPATIONS

- 38. Optical Technology

930. PAINTING AND DECORATING RELATED  
OCCUPATIONS

- 95. Painting and Decorating

## 931. PHOTOGRAPHIC RELATED OCCUPATIONS

- 72. Photographic Technology

932. PIPEFITTING AND PLUMBING RELATED  
OCCUPATIONS

- 92. Construction Mechanical Trades
- 21. Plumbing  
Pipefitting
- 93. Water Well Drilling

## 933. SALES RELATED OCCUPATIONS

- 50. Agri-Business  
Agri-Business Sales and  
Manufacturing  
Agricultural Banking
- \*42. Equipment Parts and Sales  
Auto Parts Counterperson  
Partsman Training
- 57. Fashion Merchandising  
Fashion Management  
Men's Wear Management  
Men's Wear Merchandising
- 44. Interior Design and Sales  
Assistant
- 59. International Documents  
Specialist

(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