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ABSTRACT

A study examined the educational and employment activities of members of Minnesota's high school class of 1990. Data regarding 12,458 students (11,814 graduates, 356 dropouts, and 288 students school leavers not classified as dropouts) were collected from 90 high schools participating in the Minnesota Secondary School Follow-up System and from 926 of the students' employers. Current employment/education-related activities of the class of 1990 were also analyzed by curriculum area, and trend data covering the years 1978 through 1990 were summarized. At the time of the survey, 34 percent of the class members were both employed and attending a school, 20.8 percent were employed only, 1.9 percent were unemployed and not attending a school, and 24 percent were involved in education only. The percentage of individuals employed and not simultaneously attending any school has generally declined since 1978, whereas the percentage of individuals participating in education only has remained fairly steady. (Appended are lists of secondary schools participating in the project and the specific industries and occupations within categories reported, the base data coding form, and selected survey questionnaires. Also included are 34 figures and 164 tables.) (MN)

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FOLLOW-UP 91

Minnesota High School Follow-Up
Class of 1990--One Year Later

Trend Data: 1978-1990

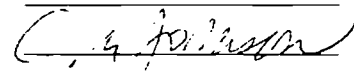
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The contributions of the participating local education agencies, local project directors and clerical staff for making special efforts to accurately collect and code the student data for nearly 13,000 former students is deeply appreciated.

Special thanks are extended to those who have helped make the system work -- to John Ferguson who coordinated the interrelationship between the micro and the mainframe computers to generate reports.

Michelle Day who has supported all phases of the system, deserves a very special recognition. She has been responsible for the careful typing and diagramming of this report, in addition to generating local and State data as requested.

The support of all of these people to the project has been invaluable.

by

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Chapter 1:

INTRODUCTION

At the end of each school year, about 50,000 students graduate from high schools in Minnesota. Additionally, there are several thousand students who leave without diplomas. Based upon the assumption that a high school education is a means to some future end rather than an end in and of itself, it is important to identify "what happens" to students after they leave high school.

This information, along with other data (i.e., economic, school programs, etc.), may be used to improve student services. It can also enhance curriculum development, program planning, and evaluation efforts.

This publication presents a summary of the research obtained from senior high schools in Minnesota which utilized the Minnesota Secondary School Follow-Up System to collect data on the class of 1990. There were 90 high schools collecting information from 12,458 students. Of this total; 11,814 students were graduates, 356 were classified as dropouts and 288 were defined as having left high school without a diploma but not classified as dropouts.

BASIC MODEL

The Minnesota Secondary School Follow-Up System is a data collection and reporting system to be used by local education agencies (LEAs) to gather information from present and former students.

The System was originally developed by the Minnesota Research and Development Center for Vocational Education, at the University of Minnesota, under contract with the Minnesota State Department of Education, Division of Vocational-Technical Education.

The Follow-Up System, initiated in 1972, was designed to provide useful information for the State and LEAs in areas such as curriculum development, program planning, evaluation, guidance and counseling. The System has been adapted to help LEAs meet both State and Federal reporting requirements, as these requirements relate to the post-high school activities of former students.

Although the System was developed under grant by the Vocational Division and provides information for vocational reporting, it does provide equally valuable information on all former students in all program areas.

In 1982 the University's direct involvement in the System terminated. A group of local administrators concerned that this proven data collection might no longer be available, approached the State Department of Education to maintain it.

Under grants from the State Department of Education a joint project intended to maintain the System was initiated. The University developed a software program to be used by LEAs for data entry utilizing an Apple II system. The Mounds View Schools have developed software to read the Apple data disks into a Burroughs mainframe for processing local and State reports.

The System is designed as a decentralized data collection operation, (See Figure 1). That is, the LEA is provided a common set of instruments and procedures in regional training sessions. Actual data collection and data entry are then carried out independently by the LEA. The data disks are submitted to the Mounds View Schools for data analysis and report generation. The service is provided under a grant with the State Department of Education.

Although most districts have utilized the System to conduct one-year follow-up studies, the procedures and programs can be used identically to conduct others--typically three and five-year studies. Follow-up forms are available upon request to the local project directors for such studies. Processing is provided without charge to the local district, as per the one-year plan.

The selection of this decentralized model was based on the following factors/assumptions:

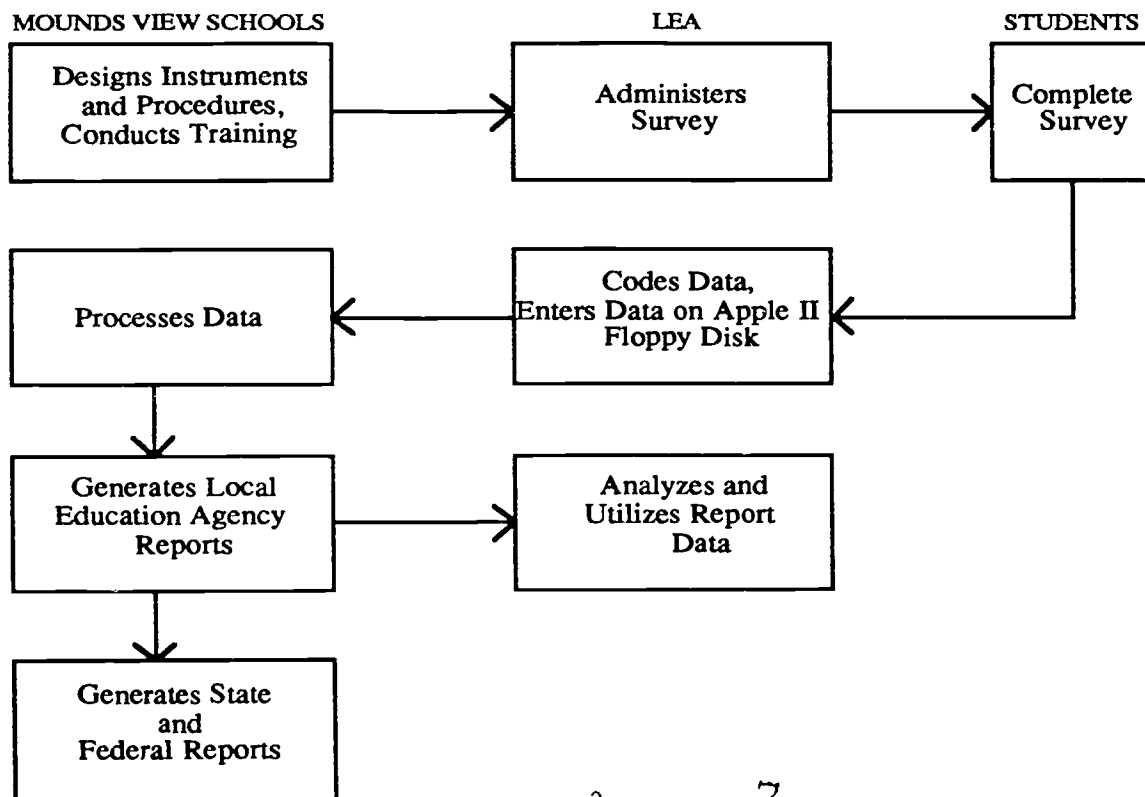
1. Local district participation maximizes the possibility that the data will be appropriate, and therefore used;
2. Students are more likely to respond to a questionnaire from the high school as compared to a central state agency; and
3. The large number of school districts involved would make centralized data collection costs prohibitive.

In addition to these factors, several goals were established for the system. The goals are that the system will:

1. Provide information necessary to meet local, state, and federal reporting requirements;
2. Provide data which will be useful in assisting local and state personnel in planning and evaluating educational programs;
3. Provide a basis for the comparisons of plans prior to leaving high school with actual activities one year later;
4. Produce a high rate of response;
5. Be of reasonable cost; and
6. Provide consistent information across schools.

The data collected from the Class of 1990 are reported in the following chapters. Chapter 2 presents a summary of activities for all respondents, as well as comparative data from the classes of 1977-1981 and 1983-1989. Because the system was interrupted for 2 years, follow-up data are unavailable for the Class of 1982, as well as career planning data for the Class of 1983. Chapter 3 presents a comparison of the plans versus the actual activities of the Class of 1990. The data on the plans of the Class of 1990 were collected via the Career Planning Survey component of the Follow-Up System. The Career Planning Survey is administered to high school seniors about one month prior to their graduation date. Chapter 4 is a summary of the class by curriculum area, and shows the potential relationships between the amount of coursework taken and post high school employment and educational activities. Chapter 5 presents information collected by a survey of employers of members of the Class of 1990.

**FIGURE 1
MINNESOTA SECONDARY SCHOOL FOLLOW-UP SYSTEM**



Chapter 2:

SUMMARY OF THE CLASS OF 1990

Using the procedures outlined in Chapter 1, 90 Minnesota high schools conducted a follow-up survey of the Class of 1990. Included in this survey were graduates and dropouts, as well as other members of the class who didn't complete their high school program. This chapter of the report will: (1) describe selected characteristics of those 90 schools reporting follow-up data, (2) present a statewide summary of the Class of 1990, and (3) present summary data for the classes of 1977 through 1989. (Statewide follow-ups were not conducted on the Class of 1982). Summary data over several years allows for the examination of trends over time.

CHARACTERISTICS OF PARTICIPATING SCHOOLS

Each district which offers vocational education is required to participate in the Minnesota Secondary School Follow-Up System every five years. Each year other districts voluntarily participate. Therefore, the schools included in this report do not represent a random sample, nor do they comprise a sample which would necessarily be valid for statistical inference to the population of all schools in Minnesota. However, the schools that participated in the follow-up are diverse in terms of class size and geographic location within Minnesota; and may, for practical purposes, be considered representative of the schools in the State. A list of participating schools may be found in Appendix A.

QUESTIONNAIRE RESPONSE

The student response rate to the follow-up questionnaire is shown in Table 2. The "Return Complete" category identifies the percentage of former students who returned fully completed questionnaires. The "Return Incomplete" category identifies the percentage of former students who returned partially completed questionnaires. The "No Return Received" category reports the percentage that did not respond to the follow-up questionnaire.

As shown in Table 1, 72.6 percent of those surveyed responded with a fully completed questionnaire. 7.6 percent responded with a partially completed questionnaire. The total response rate to the questionnaire was 80.2 percent.

TABLE 1
QUESTIONNAIRE RESPONSE
CLASS OF 1990 - ALL STUDENTS

Status	Male		Female		Total		% Change From 1985
	Percent	N	Percent	N	Percent	N	
Return Complete	68.7	4317	76.5	4729	72.6	9046	+6.9
Return Incomplete	8.4	525	6.8	423	7.6	948	-2.3
No Return Received	22.9	1438	16.6	1026	19.8	2464	-4.6
Total Assessed	100.0	6280	100.0	6178	100.0	12458	

COMBINATIONS OF PRESENT ACTIVITIES

Table 2 represents a detailed description of the activity status one year after high school for the Class of 1990. These selected categories were designed to be independent and mutually exclusive, thus providing non-duplicated counts.

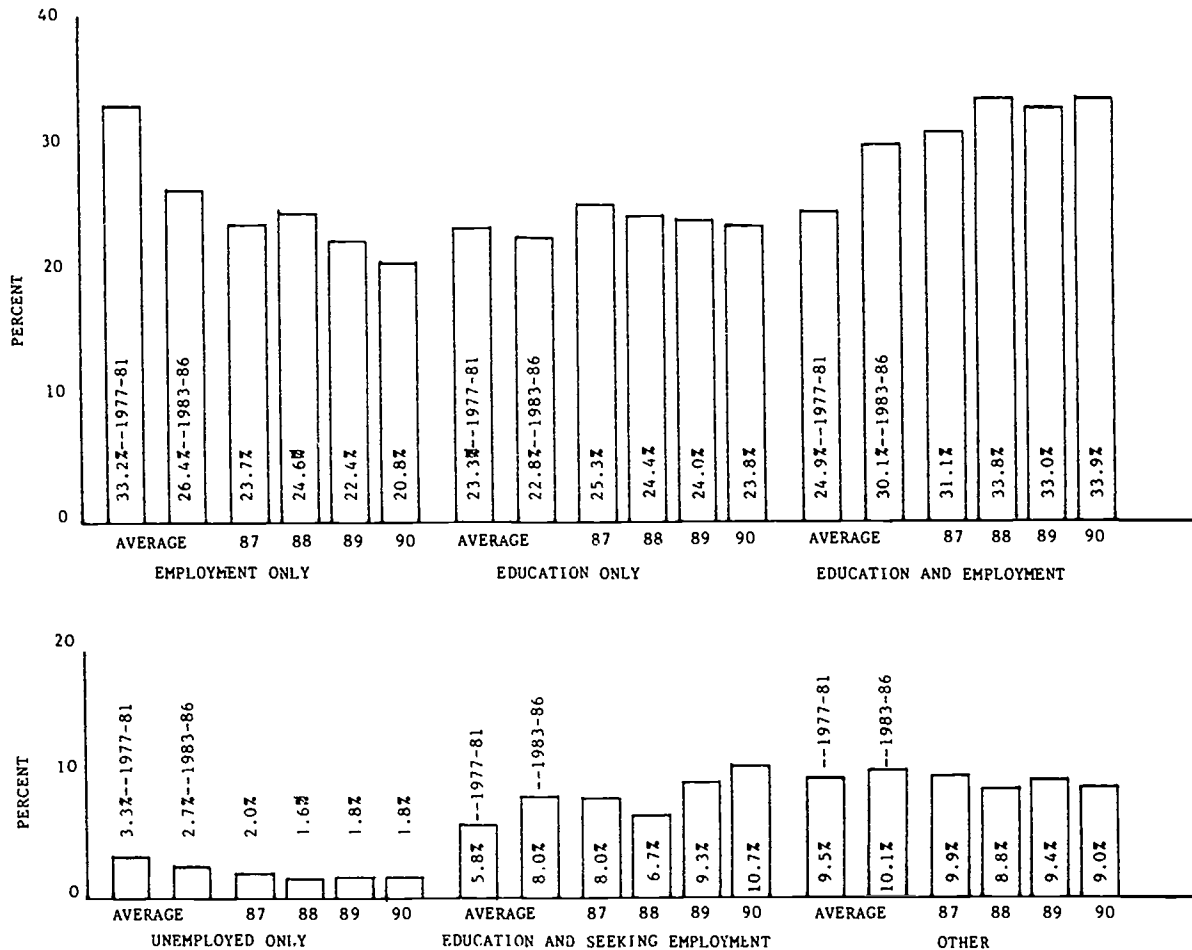
As shown in Table 2, 20.8 percent of the Class of 1990 were "employed only" at the time of the survey. Only 1.9 percent were "unemployed only" at the time of the survey. Of those responding, nearly twenty-four percent were involved in education only, while thirty-four percent were attending a school and employed.

Figure 2 illustrates the trends in the combinations of activities. As can be seen, the percentage responding "employed only" has generally declined since 1978. Likewise, the percentage listed as "education only", with only 1983 as an exception, has remained quite steady. In the years 1977 through 1981 a fairly constant 25 percent reported education and employment. In 1983 this percentage increased substantially to 30 percent, and has held at this level for the succeeding seven graduating classes.

**TABLE 2
COMBINATIONS OF PRESENT ACTIVITIES
CLASS OF 1990 - ALL STUDENTS**

Status	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
Paid Employment (only)	22.2	1062	19.4	983	20.8	2045	- 1.6
Paid Employment and Vocational School	7.0	336	5.7	289	6.4	625	+0.5
Paid Employment and Community College	8.2	394	11.4	579	9.9	973	+1.5
Paid Employment and College or University	14.7	705	20.3	1029	17.6	1734	-1.0
Vocational School (only)	2.8	132	1.4	71	2.1	203	-0.7
Community College (only)	3.1	146	2.2	113	2.6	259	0.0
4-year College or University (only)	18.8	900	19.4	980	19.1	1880	+0.5
Education and Seeking Employment	10.2	488	11.2	568	10.7	1056	+1.4
Unemployed (only)	1.8	88	1.9	96	1.9	184	+0.1
Activities Other Than The Above	11.1	532	6.9	349	9.0	881	-0.4
Total Reporting Activity	100.0	4783	100.0	5057	100.0	9840	

FIGURE 2
COMBINATIONS OF PRESENT ACTIVITIES
AVERAGE OF RESULTS FOR CLASSES 1977-81, CLASSES 1983-86
AND RESULTS FOR 1987-90



EDUCATIONAL ACTIVITY

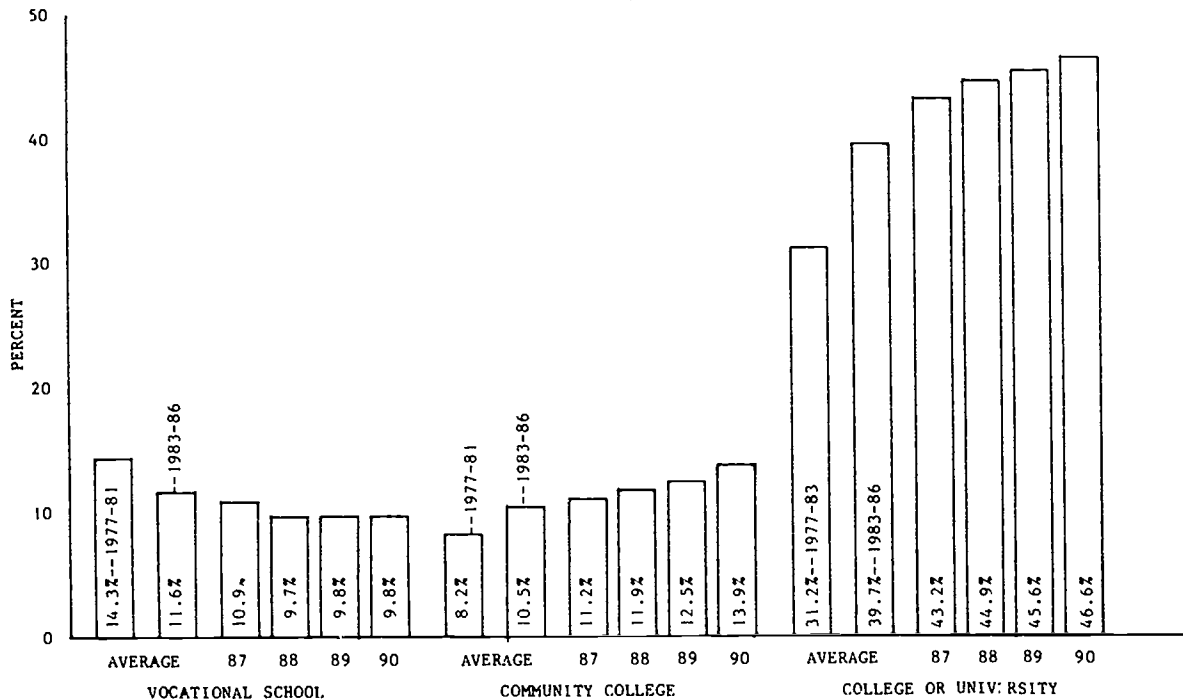
The educational activities of the Class of 1990 are summarized in Table 3. 46.6 percent of the class were enrolled in a four-year college or university at the time of the follow-up. 9.8 percent of the class were enrolled in a vocational school and 13.9 percent in a community college. Approximately one-quarter of the Class of 1990 had no educational activities at the time of the follow-up survey.

As can be seen in Figure 3, the total educational activities of leavers of Minnesota high schools is increasing slightly over time.

**TABLE 3
PRESENT EDUCATION ACTIVITY
CLASS OF 1990 - ALL STUDENTS**

Status	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
Vocational School	11.3	542	8.3	422	9.8	964	0.0
Community College	12.5	599	15.2	768	13.9	1367	+1.4
4-Year College or University	42.8	2047	50.2	2545	46.6	4592	+1.0
Apprenticeship	0.3	16	0.3	15	0.3	31	-0.2
Other Education	1.2	57	1.3	67	1.3	124	-0.6
Total Reporting Education Activity	68.1	3261	75.3	3817	71.8	7078	+1.5
No Education Activity	31.9	1527	24.7	1252	28.2	2779	-1.5
Total	100.0	4788	100.0	5069	100.0	9857	

**FIGURE 3
PRESENT EDUCATION ACTIVITY
AVERAGE OF RESULTS FOR CLASSES 1977-81, CLASSES 1983-86
AND RESULTS FOR 1987-90**



EDUCATION TIME STATUS

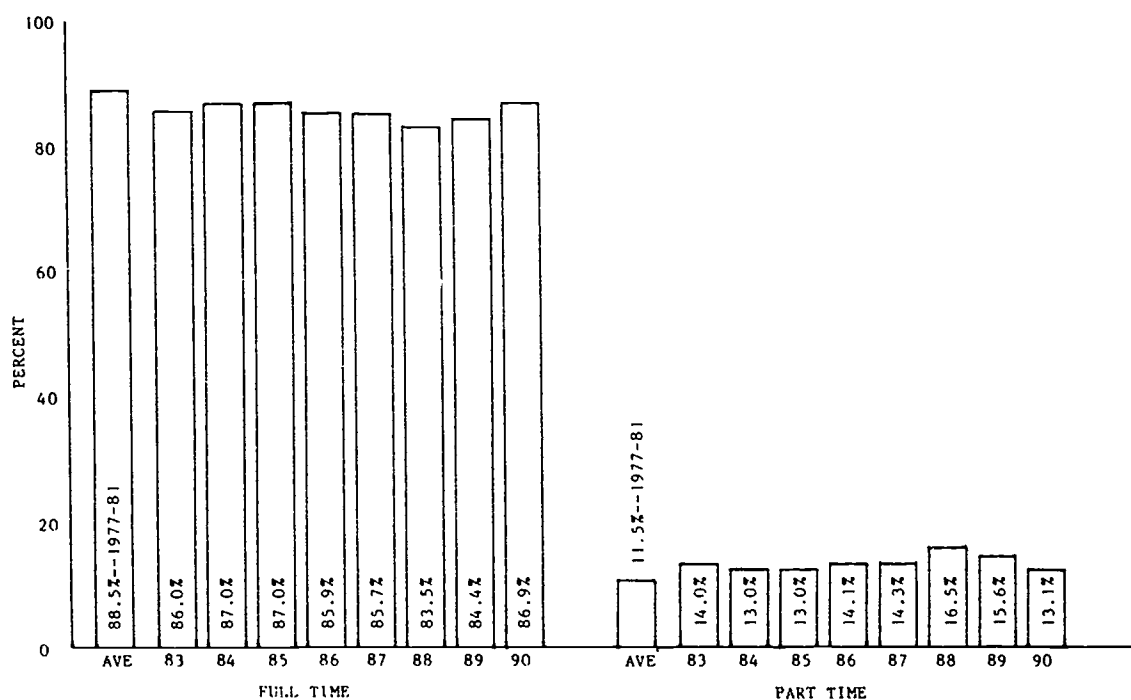
Table 4 indicates the time status for individuals in school at the time of the follow-up survey. Nearly ninety percent of those individuals attending an educational institution were doing so full-time. Full-time was defined as being enrolled for 13 or more hours per week for students attending colleges or universities.

Figure 4 represents the trend data for education time status. As can be seen, a fairly constant rate of almost 90 percent full-time for those individuals attending school has been maintained over the past twelve studies.

TABLE 4
PRESENT STATUS OF INDIVIDUALS IN SCHOOL
CLASS OF 1990 - ALL STUDENTS

Status	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
Full-Time	88.0	2618	85.9	3070	86.9	5688	+2.5
Part-Time	12.0	358	14.1	502	13.1	860	-2.5
Total Reporting Time Status	100.0	2976	100.0	3572	100.0	6548	

FIGURE 4
TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-81, AND RESULTS FOR 1983-90



SCHOOLS ATTENDED BY INDIVIDUALS AT PRESENT

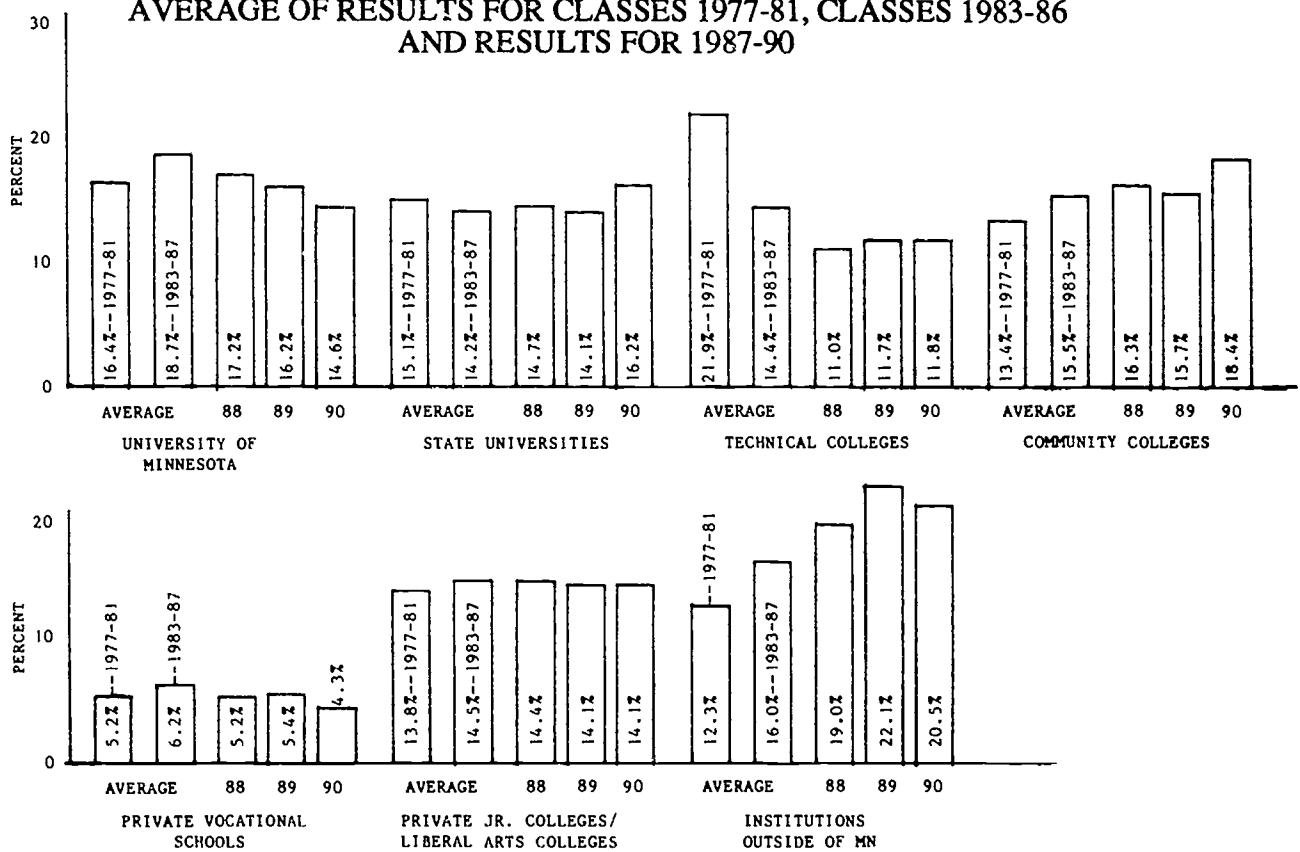
The percentages reported in Table 5 are intended to illustrate the type of post-secondary institution attended by students of the Class of 1990 ten to eleven months after leaving high school. Of those former students reporting an educational activity, 11.8 percent were attending a technical college; 14.6 percent were attending the University of Minnesota; 16.2 percent were attending a state university; 18.4 percent were attending a community college. One-third reported attending a Minnesota private college (14.1%) or an institution outside of Minnesota (20.5%).

Figure 5 illustrates the proportion of those former students who reported enrollment by type of institution from 1977 to 1990.

TABLE 5
SCHOOLS ATTENDED BY INDIVIDUALS AT PRESENT
CLASS OF 1990- ALL STUDENTS
(Of Those Reporting Education Activity)

Status	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
University of Minnesota (all campuses)	16.0	445	13.5	454	14.6	899	-1.6
State Universities	17.2	477	15.4	517	16.2	994	+2.1
Technical Colleges	15.1	421	9.0	304	11.8	725	+0.1
Community College	17.0	472	19.5	657	18.4	1129	+2.7
Private Vocational Schools (including health related and military)	3.5	98	5.0	169	4.3	267	-1.1
Private Jr. Colleges							
Liberal Arts Colleges	12.2	338	15.7	527	14.1	865	0.0
Institutions Outside Minnesota	18.9	524	21.8	733	20.5	1257	-1.6
Schools Not Reported	0.1	4	0.1	2	0.1	6	-0.5
Total Reporting Schools	100.0	2779	100.0	3363	100.0	6142	

FIGURE 5
POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-81, CLASSES 1983-86
AND RESULTS FOR 1987-90



EMPLOYMENT ACTIVITY

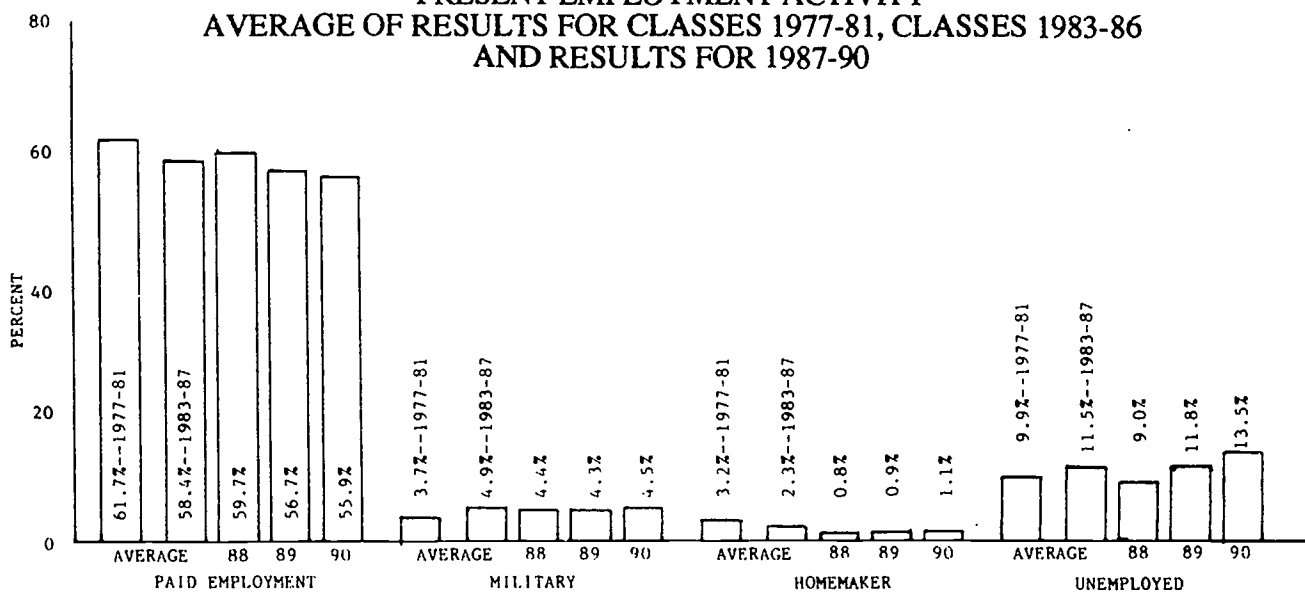
The employment activities of the Class of 1990 are summarized in Table 6. Nearly sixty percent of the class were employed at the time of the follow-up survey. While it appears that 13.5 percent of the class were unemployed, this figure includes those former students who are primarily in school but also seeking employment. A better understanding of the unemployment figure for the Class of 1990 may be obtained in Table 2, "Combination of Present Activities" which indicates an "unemployed only" status of 1.9 percent.

Figure 6 illustrates the employment activities of the Class of 1977 through 1990. It is apparent that the proportion of each class stating any employment related activity has varied from approximately 75 to 85 percent.

**TABLE 6
PRESENT EMPLOYMENT ACTIVITY
CLASS OF 1990 - ALL STUDENTS**

Status	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
Paid Employment	53.6	2568	58.0	2941	55.9	5509	-0.8
Homemaker	0.1	5	2.0	103	1.1	108	+0.2
Military	8.0	381	1.3	65	4.5	446	+0.2
Unemployed/Seeking Employment	13.0	621	13.9	705	13.5	1326	+1.7
Total Reporting Employment Activity	74.7	3575	75.2	3814	75.0	7389	+1.2
No Employment Activity	25.3	1213	24.8	1255	25.0	2468	-1.2
Total	100.0	4788	100.0	5069	100.0	9857	

**FIGURE 6
PRESENT EMPLOYMENT ACTIVITY
AVERAGE OF RESULTS FOR CLASSES 1977-81, CLASSES 1983-86
AND RESULTS FOR 1987-90**



EMPLOYMENT TIME STATUS

The time status for individuals employed is reported in Table 7. Full-time was defined as being employed 30 or more hours per week. Part-time was defined as being employed 29 or fewer hours per week.

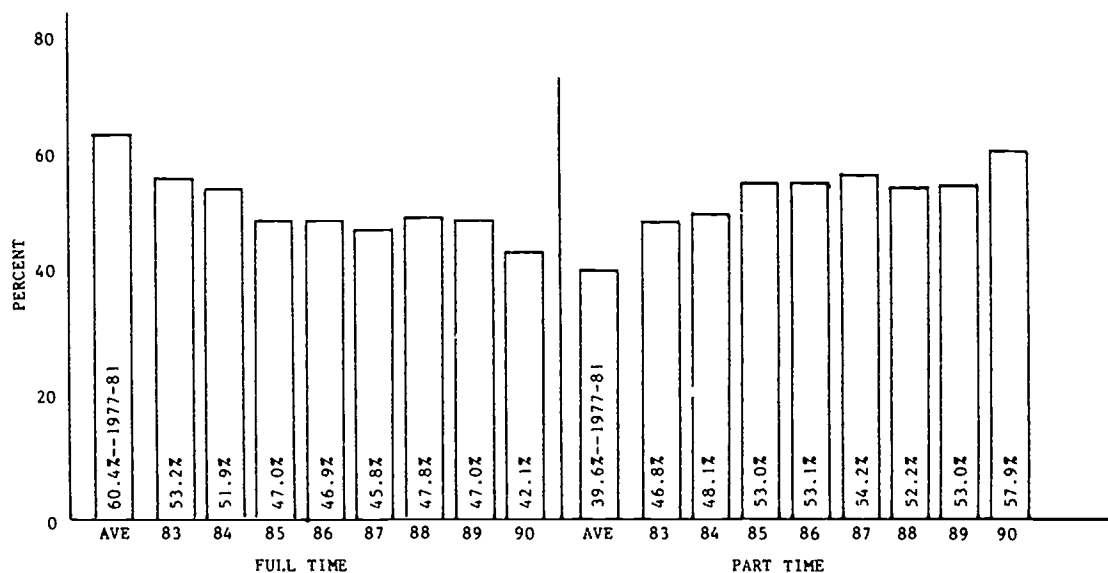
As shown in Table 7, 42.1 percent of the Class of 1990 reporting employment were employed full-time, with 57.9 percent of the class employed part-time.

The thirteen-year trend data reported in Figure 7 reveals the tendency toward part-time employment for those former students employed. It should be noted that employment time status may be affected by participation in post-secondary education activities which have also changed over the past eight years.

TABLE 7
PRESENT STATUS OF EMPLOYED INDIVIDUALS
CLASS OF 1990 - ALL STUDENTS

Status	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
Full-Time	48.4	1211	36.7	1056	42.1	2267	-4.9
Part-Time	51.6	1290	63.3	1823	57.9	3113	+4.9
Total Reporting Time Status	100.0	2501	100.0	2879	100.0	5380	

FIGURE 7
TIME STATUS OF INDIVIDUALS EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-81, AND RESULTS FOR 1983-90



WAGES EARNED BY INDIVIDUALS EMPLOYED AT PRESENT

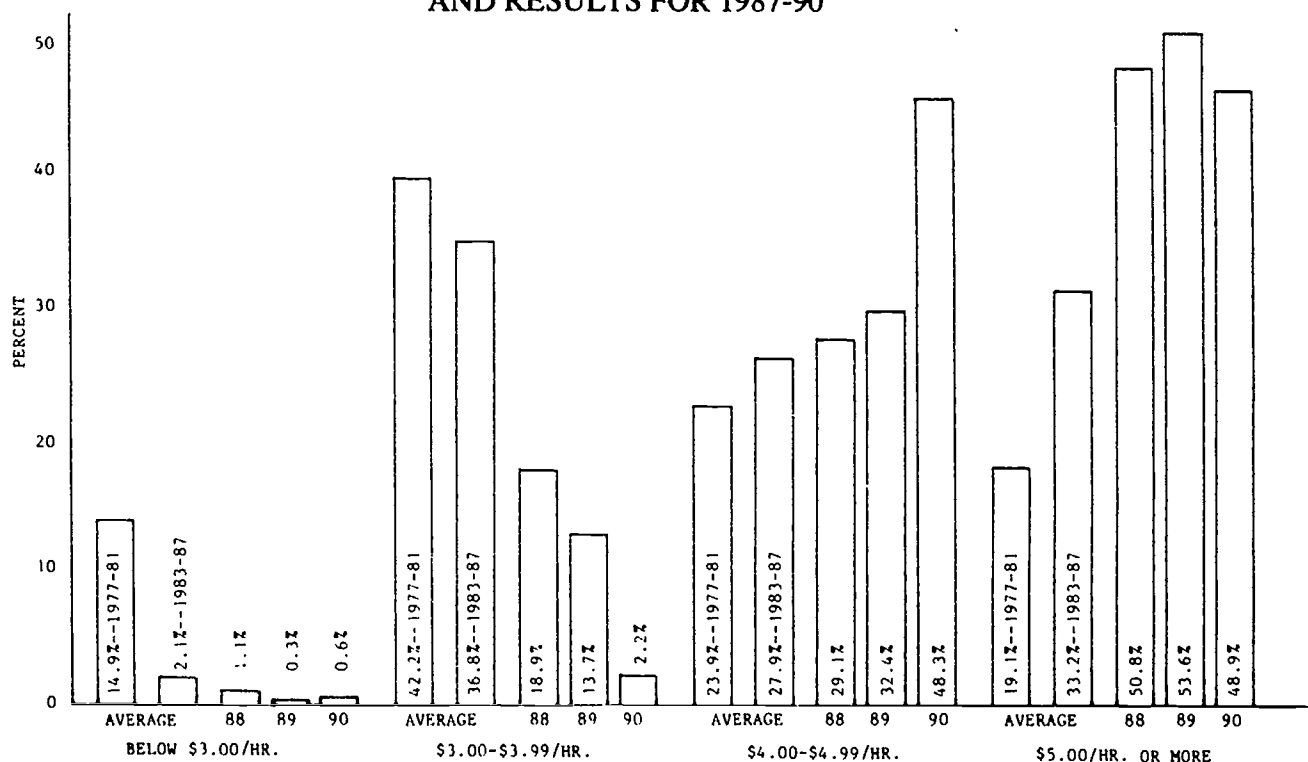
The wage distribution of the Class of 1990 who were employed at the time of the follow-up survey is reported in Table 8. About three-fourths reported earning \$4.00 to \$5.99 per hour. Nearly one fourth of the class reported earning \$6.00 or more per hour.

Figure 8 illustrates the wage distribution for the past thirteen studies. Care should be exercised when interpreting these data due to changes in the minimum wage and inflation that have occurred over the period.

TABLE 8
WAGES OF INDIVIDUALS EMPLOYED AT PRESENT
CLASS OF 1990 - ALL STUDENTS

Status	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
Below \$3.00 per hour	0.6	9	0.6	12	0.6	21	+0.3
\$3.00 - \$3.99 per hour	0.6	9	3.4	71	2.2	80	-11.5
\$4.00 - \$4.99 per hour	40.8	616	53.7	1116	48.3	1732	+15.9
\$5.00 - \$5.99 per hour	28.2	425	25.2	523	26.4	948	+0.4
\$6.00 - \$6.99 per hour	15.4	232	11.3	234	13.0	466	+0.7
\$7.00 per hour or more	14.4	218	5.9	123	9.5	341	-5.8
Total Reporting Wages	100.0	1509	100.0	2079	100.0	3588	

FIGURE 8
WAGES FOR INDIVIDUALS EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-81, CLASSES 1983-86
AND RESULTS FOR 1987-90



INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

The information presented in Table 9 categorizes the employment activities of former students by the type of industry in which they were employed at the time of the follow-up survey. The industry categories are the same as the broad reporting categories used by the United States Bureau of the Census.

Nearly forty percent of the Class of 1990 were employed in wholesale and retail trade. Approximately twenty percent of the class were employed in professional and related services. 11.6 percent of the class were employed by manufacturing firms.

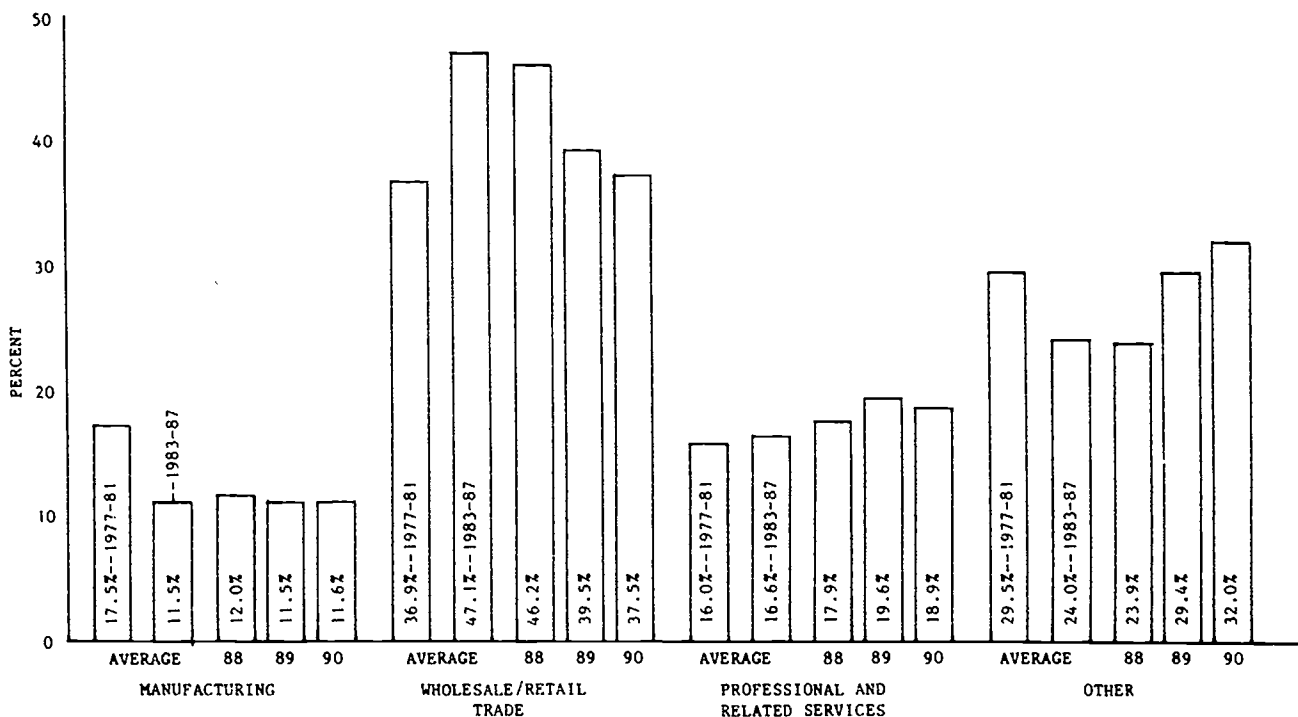
Figure 9 illustrates the distribution of employment by industry for the past thirteen years. The proportion employed in wholesale and retail trade has generally been between a third and half of all respondents.

TABLE 9
INDUSTRIES IN WHICH RESPONDENTS ARE EMPLOYED
CLASS OF 1990 - ALL STUDENTS

Industry	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1989
Wholesale and Retail Trade	35.3	864	39.4	1118	37.5	1982	-2.0
Professional and Related Services	11.4	280	25.3	719	18.9	999	-0.7
Manufacturing	14.5	356	9.0	256	11.6	612	+0.1
Entertainment and Recreation Services	7.6	187	6.1	172	6.8	359	+2.4
Personal Services	4.4	108	7.6	217	6.1	325	0.0
Business and Repair Services	7.9	194	4.4	124	6.0	318	+1.0
Agriculture, Forestry, and Fisheries	5.8	142	0.6	16	3.0	158	+0.5
Transportation, Communications, and Other Public Utilities	4.1	101	1.5	43	2.7	144	+0.1
Construction	4.0	97	0.2	7	2.0	104	-0.6
Finance, Insurance, and Real Estate	0.7	17	2.7	76	1.8	93	-0.2
Public Administration	1.5	36	0.9	26	1.2	62	+0.2
Mining	0.0	1	0.0	0	0.0	1	0.0
Industry Not Reported	2.7	65	2.3	65	2.5	130	-0.8
Total Reporting Industry	100.0	2448	100.0	2839	100.0	5287	

* A listing of specific industries for each of the categories above is provided in Appendix B.

**FIGURE 9
INDUSTRIES IN WHICH RESPONDENTS ARE EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-81, CLASSES 1983-86
AND RESULTS FOR 1987-90**



OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Information relative to the occupations in which individuals were employed at the time of the follow-up is presented in Table 10. The categories used in Table 10 were the same as used by the U.S. Bureau of the Census. For the purposes of this report, an expanded form of the suggested abbreviated occupational classifications (Standard Occupational Codes - SOC) has been used.

Incorporating the Standard Occupational Classification into the Minnesota Secondary School Follow-Up System has the benefit of keeping the System current and compatible with Federal government reporting procedures.

As shown in Table 10, over two-thirds of those employed were employed in service, marketing and sales, or clerical occupations. Nearly ninety percent of females cluster in these three occupational areas, as opposed to less than half of males.

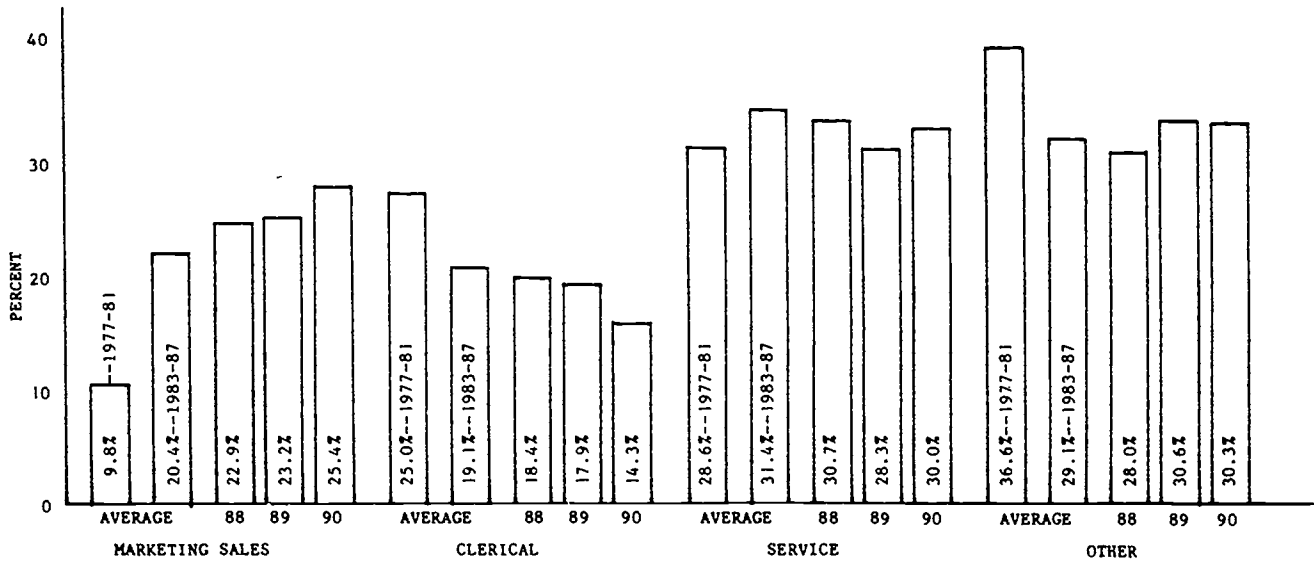
Figure 10 illustrates the changes that have taken place over the studies in proportion of employment by occupation. It is evident that the percentages have been relatively stable over the past four years.

TABLE 10
OCCUPATIONS IN WHICH RESPONDENTS ARE EMPLOYED
CLASS OF 1990 - ALL STUDENTS

Occupations	Male		Female		Total		% Change From 1989
	Percent	N	Percent	N	Percent	N	
Service	24.4	590	34.8	987	30.0	1577	+1.7
Marketing and Sales	17.5	422	32.1	911	25.4	1333	+2.2
Clerical	6.2	151	21.1	599	14.3	750	-3.6
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	22.1	535	3.2	91	11.9	626	+1.4
Production	7.6	184	3.2	90	5.2	274	-0.6
Administrative, Engineering, Scientific Teaching, and Related Occupations Including Creative Artists	4.8	117	3.3	93	4.0	210	-0.4
Farming, Forestry, and Fishing	5.5	134	0.3	8	2.7	142	+0.4
Transportation and Material Moving	3.8	93	0.2	6	1.9	99	-0.2
Construction and Extractive	3.5	84	0.1	3	1.7	87	-0.7
Mechanics and Repairers	3.1	76	0.1	3	1.5	79	-0.5
Technologists and Technicians Including Health	1.3	31	1.6	46	1.5	77	+0.4
Total Reporting Occupations	100.0	2417	100.0	2837	100.0	5254	

* A listing of specific occupations for each of the categories above is provided in Appendix C.

FIGURE 10
OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT
AVERAGE OF RESULTS FOR CLASSES 1977-81, CLASSES 1983-86
AND RESULTS FOR 1987-90



Chapter 3:

PLANS VERSUS ACTUAL ACTIVITIES OF THE CLASS OF 1990

An integral part of the Minnesota Secondary Follow-Up System is the Career Planning Survey. The Career Planning Survey is administered to high school seniors approximately one month prior to their high school graduation date. The Career Planning Survey asks students questions concerning their high school program, basic skills, post high school plans, finality of plans, personal information, and family information. The Career Planning Survey data are analyzed and reported to each participating district.

The Follow-up component of the Secondary Follow-Up System, as stated in Chapter 1, gathers information on students' post high school activities approximately one year after students leave high school. The entire follow-up procedure links student base information, plans and post high school employment and/or educational activity.

Approximately 85 Minnesota high schools collected both Career Planning Survey and Follow-up data for the Class of 1990. These data were collected at two different time periods. The Minnesota Secondary Follow-Up System procedures insure that each student's Career Planning Survey and Follow-up data are correctly matched. This merge resulted in a data file containing 9,240 students.

The comparison of "plans versus actual activities" is accomplished via the students' combinations of plans/activities. The combinations of plans/activities was chosen because it allows for a better view of what the students are planning/doing with their time, in that a total picture of what a student is planning/doing is more apparent. It also creates mutually exclusive categories. Table 11 illustrates the combination of plans from the Class of 1990 as measured by the Career Planning Survey.

TABLE 11
COMBINATION OF PLANS OF THE CLASS OF 1990 AS
GATHERED FROM THE CAREER PLANNING SURVEY

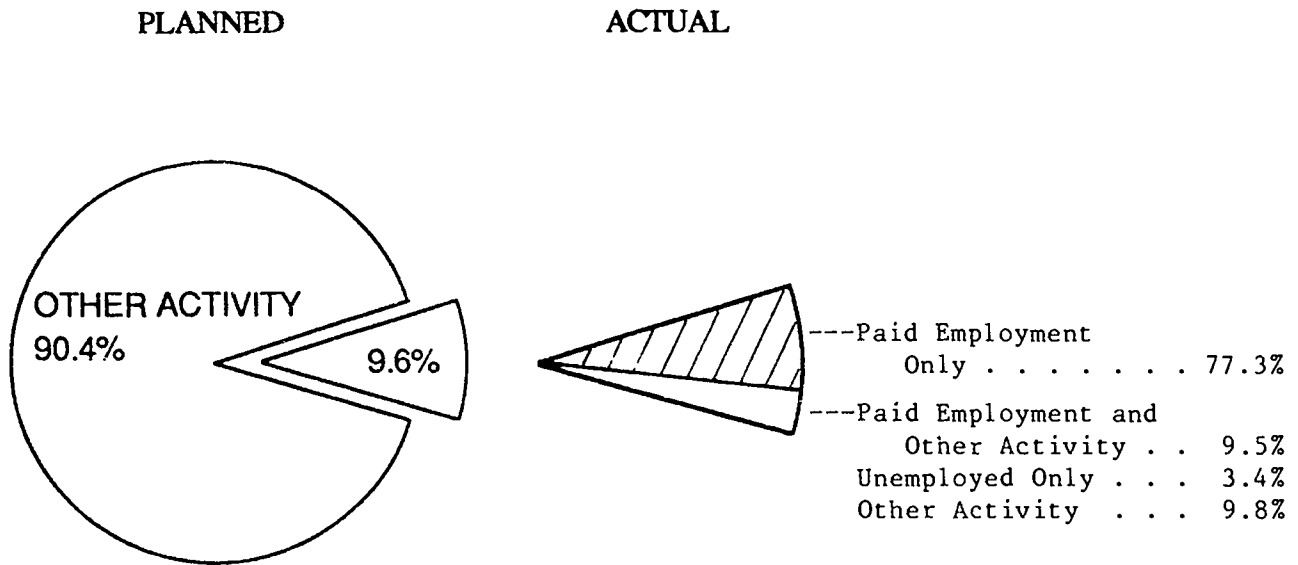
Survey	Male Percent	N	Female Percent	N	Total Percent	N	% Change From 1986
Paid Employment Only	10.3	476	8.9	413	9.6	889	+1.4
Vocational School and Paid Employment	15.0	691	12.4	572	13.7	1263	+1.1
Community College and Employment	11.2	514	14.1	652	12.6	1166	+2.9
College or University and Employment	28.1	1294	31.6	1462	29.8	2756	+1.7
Vocational School Only	2.5	117	1.9	87	2.2	204	0.0
Community College Only	2.0	92	2.2	100	2.1	192	-0.1
College or University Only	13.4	619	16.8	779	15.1	1398	+2.2
Other Combinations	17.5	806	12.2	566	14.8	1372	-9.4
Total Completing Career Planning Surveys	100.0	4609	100.0	4631	100.0	9240	

ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT ONLY

Of the members of the Class of 1990 who completed a Career Planning Survey, 9.6 percent, or 889 indicated they planned to be employed only one year after leaving high school. Of the 9.6 percent, 616, or 69.3 percent, returned the follow-up form and indicated their present activity.

Of that 889, 77.3 percent, or 472 individuals, were actually employed only at the time of the follow-up survey. 58 people, or 9.5 percent of those planning employment only, were also employed, but in combination with another activity, such as attending a vocational school. Therefore, 86.7 percent, or 530 of the 616 planning employment only and who returned the follow-up survey, were engaged in employment at the time of the study.

FIGURE 11
PLANS OF THE CLASS OF 1990 VERSUS THE ACTUAL ACTIVITIES OF THOSE
PLANNING EMPLOYMENT ONLY

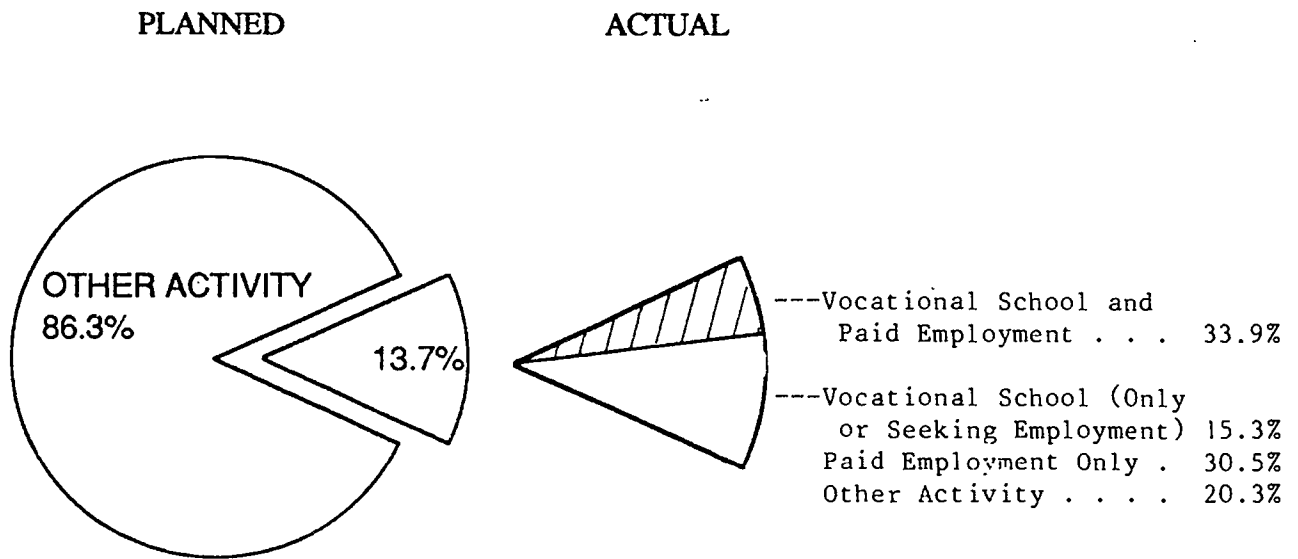


ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT AND VOCATIONAL SCHOOL

Of the members of the Class of 1990 who completed a Career Planning Survey, 13.7 percent, or 1,263, indicated they planned to be employed and attending a vocational school one year after leaving high school. Of the 13.7 percent, 968 former students, or 76.6 percent, returned the follow-up form and indicated their present activity. Of that 968, 328 individuals, or 33.9 percent were actually employed and attending a vocational school at the time of the follow-up survey. 30.5 percent, 295 of those planning employment and vocational school, were involved in employment only. Some of those may have completed a vocational program between high school completion and the time of the survey. 148 (15.3 percent) were engaged in either vocational school only or vocational school and seeking employment.

Upon further study of what those planning vocational school were doing in the three time periods between graduation and the study, sixty percent of this group actually attended vocational school at some time during the year. It is difficult to determine the retention statistics for vocational schools since vocational programs vary greatly in length.

FIGURE 12
PLANS OF THE CLASS OF 1990 VERSUS THE ACTUAL ACTIVITIES OF THOSE
PLANNING EMPLOYMENT AND VOCATIONAL SCHOOL



ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT AND COMMUNITY COLLEGE

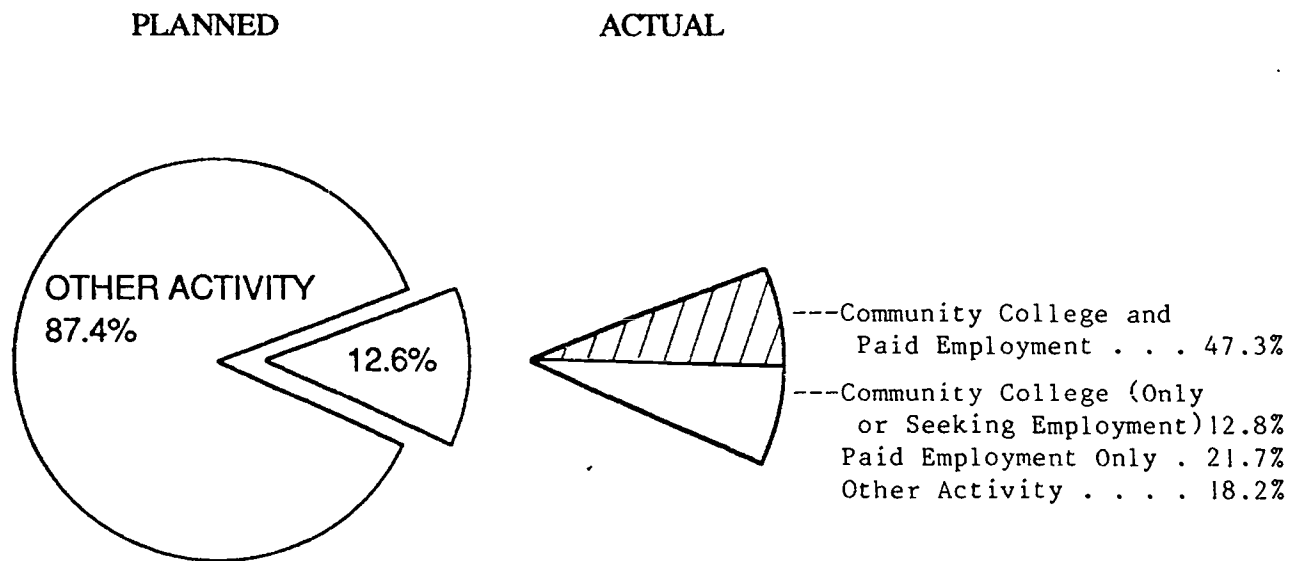
Of the members of the Class of 1990 who completed a Career Planning Survey, 12.6 percent, or 1,166, indicated they planned to be employed and attending a community college one year after leaving high school. Of the 12.6 percent, 953 former students, or 81.7 percent, returned the follow-up form and indicated their present activity.

Of that 953, 47.3 percent, or 451 individuals, were actually employed and attending a community college at the time of the follow-up survey. Over 21.7 percent or 207 individuals of those planning employment and community college were employed only. Another 12.8 percent (122 former students) were either attending a community college only or attending one and seeking employment.

Therefore, at the time of the follow-up, 60.1 percent of those planning employment and community college were enrolled in a community college.

Seventy percent had been involved in community college at some point during the year since the class graduated.

FIGURE 13
PLANS OF THE CLASS OF 1990 VERSUS THE ACTUAL ACTIVITIES OF
THOSE PLANNING EMPLOYMENT AND COMMUNITY COLLEGE



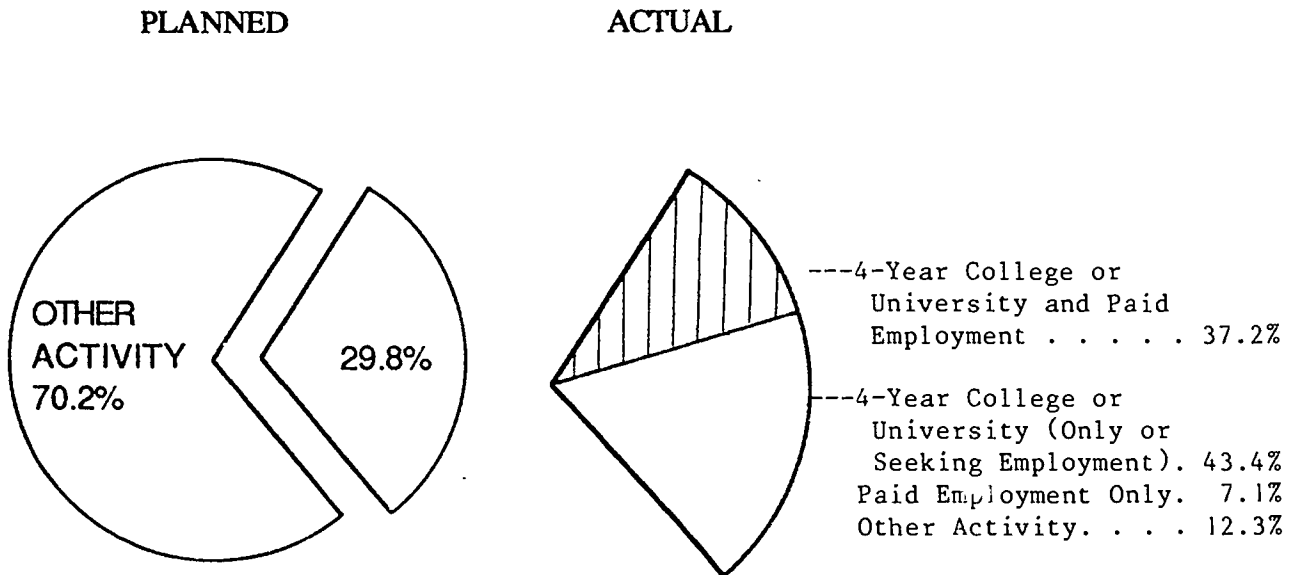
ACTUAL ACTIVITY OF THOSE PLANNING EMPLOYMENT AND COLLEGE OR UNIVERSITY

Of the members of the Class of 1990 who completed a Career Planning Survey, **29.8 percent**, or 2,756, indicated they planned to be employed and attending a college or university one year after leaving high school. Of the 29.8 percent, 2,322 former students, or 84.3 percent, returned the follow-up form and indicated their present activity.

Of that 2,322, **37.2 percent**, or 864 individuals, were actually employed and attending a college or university at the time of the follow-up survey. Another 1,007 individuals (43.4 percent) were attending a college or university, either exclusively or also seeking employment. 7.1 percent (166) were employed only. At the time of the follow-up, 80.6 percent of those planning to be employed and attending a college or university were attending a college or university. 49.3 percent were engaged in some form of employment.

Upon further study of what those planning this activity were doing in three-month increments following graduation, it appears that nearly **ninety percent** attended a college or university at some point during the year.

FIGURE 14
PLANS OF THE CLASS OF 1990 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING EMPLOYMENT AND 4 YR. COLLEGE OR UNIVERSITY



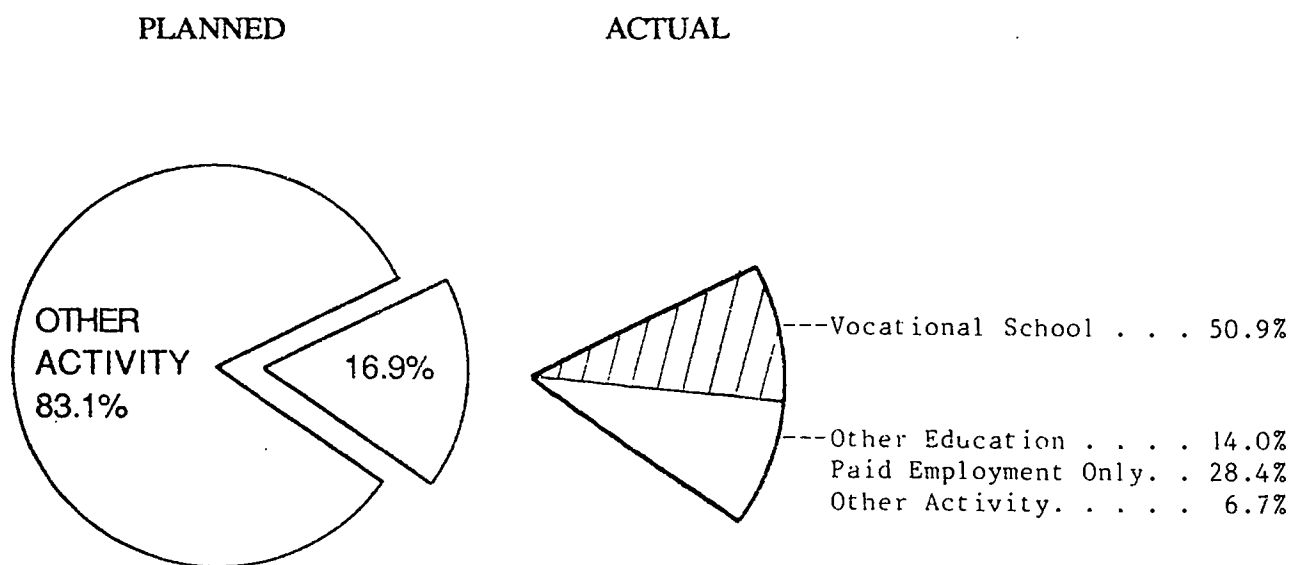
ACTUAL ACTIVITY OF THOSE PLANNING VOCATIONAL SCHOOL

Of the members of the Class of 1990 who completed a Career Planning Survey, **16.9 percent**, or 1,558, indicated they planned to be attending a vocational school one year after leaving high school. Of the 16.9 percent, 1,191 former students, or 76.4 percent, returned the follow-up form and indicated their present activity.

Of that 1,191, **50.9 percent**, or 601 individuals, were actually attending a vocational school at the time of the follow-up survey. 167 people, or fourteen percent, were attending another form of education. 28.4 percent, or 338 individuals were employed only at the time of the follow-up. Some of these may have completed their vocational program prior to the survey.

In studying the three-month time increments between the classes' graduation and the time of the follow-up study, it appears that **sixty percent** of this group did attend a vocational school at some time. It is difficult to determine the retention statistics for vocational schools since vocational programs vary greatly in length.

FIGURE 15
PLANS OF THE CLASS OF 1990 VERSUS THE ACTUAL ACTIVITIES OF THOSE
PLANNING VOCATIONAL SCHOOL



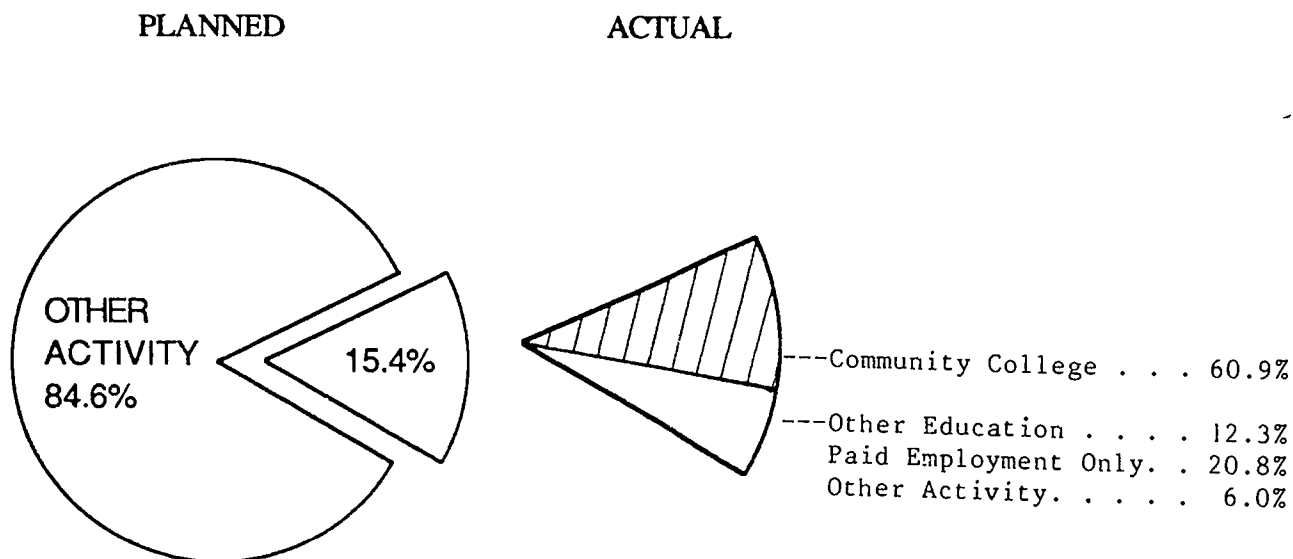
ACTUAL ACTIVITY OF THOSE PLANNING COMMUNITY COLLEGE

Of the members of the Class of 1990 who completed a Career Planning Survey, 15.4 percent, or 1,424, indicated they planned to be attending a community college one year after leaving high school. Of the 15.4 percent, 1,156 former students, or 81.2 percent, returned the follow-up form and indicated their present activity.

Of that 1,156, 60.9 percent, or 704 individuals, were actually attending a community college at the time of the follow-up survey. Another 142 people, or 12.3 percent, were involved in another form of education. 20.8 percent (240 people) were employed only at the time of the survey.

In reviewing the activities of this group for the three-month intervals since graduation, it is estimated that nearly three-fourths did attend a community college at some point.

FIGURE 16
PLANS OF THE CLASS OF 1990 VERSUS THE ACTUAL ACTIVITIES OF THOSE PLANNING COMMUNITY COLLEGE



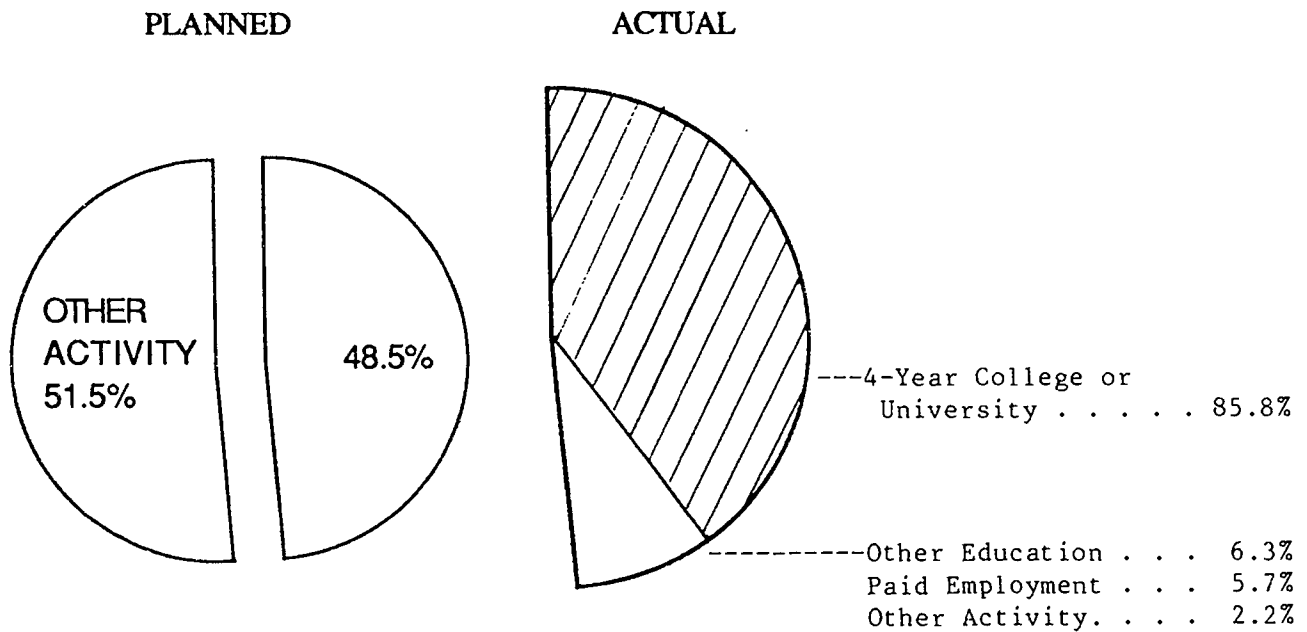
ACTUAL ACTIVITY OF THOSE PLANNING COLLEGE OR UNIVERSITY

Of the members of the Class of 1990 who completed a Career Planning Survey, **48.5 percent**, or 4,480, indicated they planned to be attending a college or university one year after leaving high school. Of the 48.5 percent, 3,838 former students, or 85.7 percent, returned the follow-up form and indicated their present activity.

Of that 3,838, **35.8 percent**, or 3,294 individuals, were attending a college or university at the time of the follow-up survey. Another 241 individuals, or 6.3 percent, were engaged in another form of education. Of the students indicating college or university plans, 220 (5.7 percent) were employed only at the time of the survey.

Because former students were asked to report their post high school activity in three-month increments, it was learned that over **ninety percent** of those in this category who reported did attend a college or university at some point during the year following graduation of the class.

FIGURE 17
PLANS OF THE CLASS OF 1990 VERSUS THE ACTUAL ACTIVITIES OF THOSE
PLANNING 4 YR. COLLEGE OR UNIVERSITY



Chapter 4:

SUMMARY OF THE CLASS OF 1990 BY CURRICULUM AREA

In addition to collecting follow-up information from their former students, the 97 schools which participated in the follow-up system also reported classes which these students took while in high school.

The curricular areas were drawn from Handbook VI, "Standard Terminology for Curriculum and Instruction in Local and State School Systems," developed by the National Center for Educational Statistics. The curricular areas used were:

Agriculture*	Industrial Technology
Art	Mathematics
Business	Music
Distributive Education*	Natural Science
English	Office Occupations*
Foreign Language	Service Occupations*#
Health Occupations*	Social Studies
Health-Physical Education	Trade and Industrial Education*
Home Economics*	

By using these categories, it was possible to identify and summarize the post-high school activities of students who took courses in each category. These summaries are presented in the following sections of this chapter.

In each section, nine tables are used to summarize the data reported by each group of students. These data are broken down into 200 hour cohorts to better illustrate the possible relationships between number of course hours taken and post-high school education and employment activities. The authors wish to point out that these are to be observed as mere relationships, not causes and effects. A breakdown by sex is also presented. It should be noted that in some cases columns do not total 100% due to rounding.

Because each curriculum section is reported in a manner to allow for separate use, tables and figures are not numbered as in other chapters.

* Represents a vocationally reimbursed curriculum area.

Represents a curriculum area not included in Handbook VI.

CLASS OF 1990 AGRICULTURE STUDENTS

Agriculture classes were selected by 9.7 percent of the 12,458 students who participated in the followup study. The data reported in this section include the 1,211 students who completed one or more courses in the curriculum category of Agriculture.

Approximately three-fourths (76.6 percent) of the Agriculture students were male, and 23.4 percent were female. Of these students surveyed, 77.7 percent responded with a completed, or substantially completed, questionnaire. These data are broken down into two-hundred hour cohorts. Courses in this curriculum category include, but are not limited to: Agriculture Production, Farm Business Management, Farm Mechanics, and Ornamental Horticulture.

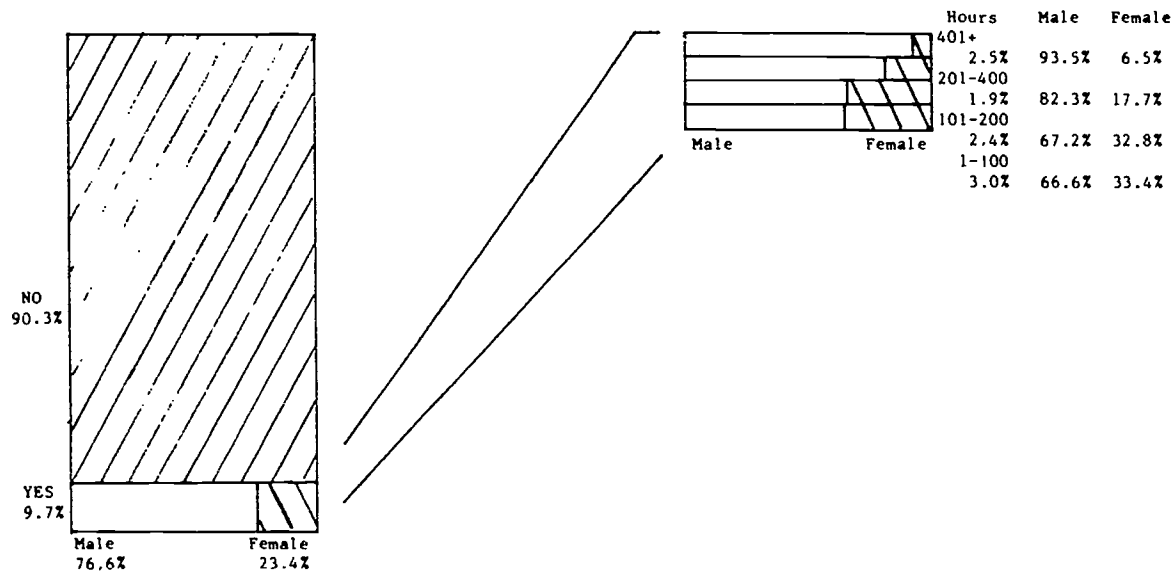
Of the 1,211 Agriculture students, 669 had from 1 to 200 hours of courses; 234 students had courses totaling 201 to 400 hours; 308 had 401 or more hours of course work. The total percentage of students who selected any Agriculture courses decreased 0.2 over the Class of 1989 study.

PARTICIPATION IN AGRICULTURE

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 AGRICULTURE STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	68.6	63.2	66.2	64.3	75.8	67.0
Return Incomplete	10.8	9.8	11.0	11.3	8.4	10.7
No Return Received	20.6	26.9	22.7	24.4	15.8	22.4
Total Assessed	100.0 (669)	100.0 (234)	100.0 (308)	100.0 (926)	100.0 (285)	100.0 (1211)

**CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	20.0	25.6	31.8	26.6	15.9	24.0
Community College	10.3	10.5	7.3	7.8	15.0	9.6
4-year College or University	25.0	11.6	11.6	16.3	27.9	19.1
Apprenticeship	0.0	0.0	0.9	0.3	0.0	0.2
Other Education	2.1	0.6	1.7	1.4	2.7	1.7
EMPLOYMENT						
Paid Employment	61.8	66.9	66.1	63.6	64.6	63.8
Homemaker	1.2	1.2	0.0	0.0	3.5	0.9
Military	5.8	7.0	6.4	7.6	1.8	6.2
Unemployed	13.8	8.7	11.2	10.6	16.8	12.2
OTHER						
Other Activity	2.5	2.9	1.3	2.2	2.7	2.3
Total Responses	142.4 (735)	134.9 (232)	138.2 (322)	136.4 (948)	150.9 (341)	140.0 (1289)
Total Reporting Activity	100.0 (624)	100.0 (172)	100.0 (233)	100.0 (695)	100.0 (226)	100.0 (921)

**CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	32.7	40.7	35.8	36.8	29.2	35.0
Paid Employment and Vocational School	10.7	15.1	18.5	14.9	9.3	13.5
Paid Employment and Community College	6.2	6.4	3.9	4.2	10.2	5.7
Paid Employment and College or University	9.7	4.7	5.6	5.9	13.3	7.7
Vocational School (only)	4.5	6.4	9.1	7.7	0.9	6.0
Community College (only)	2.3	2.9	2.2	2.5	2.2	2.4
4-year College or University (only)	10.1	5.2	3.9	7.4	8.4	7.6
Education and Seeking Employment	9.7	5.2	6.5	6.6	12.4	8.1
Unemployed (only)	2.7	2.9	4.7	3.2	3.5	3.3
Activities Other Than The Above	11.3	10.5	9.9	10.8	10.6	10.8
Total Reporting Activity	100.0 (514)	100.0 (172)	100.0 (232)	100.0 (692)	100.0 (226)	100.0 (918)

**CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.2	84.0	88.6	88.6	78.9	85.8
Part-Time	14.8	16.0	11.4	11.4	21.1	14.2
Total Reporting Status	100.0 (271)	100.0 (81)	100.0 (114)	100.0 (333)	100.0 (133)	100.0 (466)

**CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	9.1	1.3	11.3	7.7	9.9	8.3
State Universities Area Vocational- Technical Institutes	17.4	2.6	5.2	11.0	13.7	11.8
Community College Private Vocational Schools (including health related)	31.8	47.4	58.3	48.5	22.9	41.1
Private Jr. Colleges Liberal Arts Colleges	15.2	24.5	13.9	13.8	22.9	16.4
Institutions Outside Minnesota	6.4	3.8	2.6	4.3	6.9	5.0
Schools Not Reported	6.8	2.6	0.0	3.4	6.9	4.4
Schools	13.3	17.9	8.7	11.3	16.8	12.9
Total Reporting Schools	0.0 (264)	0.0 (78)	0.0 (115)	0.0 (326)	0.0 (131)	0.0 (457)

**CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	62.5	67.0	67.1	69.4	50.0	64.6
Part-Time	37.5	33.0	32.9	30.6	50.0	35.4
Total Reporting Employed Status	100.0 (315)	100.0 (115)	100.0 (152)	100.0 (438)	100.0 (144)	100.0 (582)

**CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	1.0	2.5	0.0	1.1	1.0	1.0
\$3.00 - \$3.99 per hour	0.5	0.0	2.1	0.4	2.0	0.8
\$4.00 - \$4.99 per hour	41.3	26.6	31.3	32.1	45.5	35.7
\$5.00 - \$5.99 per hour	30.6	38.0	32.3	30.7	37.6	32.5
\$6.00 - \$6.99 per hour	12.6	16.5	15.6	15.0	11.9	14.2
\$7.00 per hour or more	14.1	16.5	18.8	20.7	2.0	15.7
Total Reporting Wages	100.0 (206)	100.0 (79)	100.0 (96)	100.0 (280)	100.0 (101)	100.0 (381)

**CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	5.9	18.3	31.3	19.2	2.8	15.1
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	4.9	6.1	8.0	7.7	0.7	6.0
Manufacturing	18.7	19.1	12.0	19.7	9.1	17.0
Transportation, Communications, and Other Public Utilities	3.6	2.6	2.0	3.3	2.1	3.0
Wholesale and Retail Trade	25.9	20.0	17.3	20.8	27.3	22.5
Finance, Insurance, and Real Estate	0.7	0.9	0.0	0.2	1.4	0.5
Business and Repair Services	8.5	6.1	12.0	9.6	7.0	8.9
Personal Services	4.6	2.6	3.3	3.0	6.3	3.9
Entertainment and Recreation Services	3.6	7.8	4.7	4.7	4.9	4.7
Professional and Related Services	16.4	10.4	6.7	6.1	32.2	12.6
Public Administration	1.0	0.9	0.0	0.9	0.0	0.7
Industry Not Reported	6.2	5.2	2.7	4.7	6.3	5.1
Total Reporting Activity	100.0 (305)	100.0 (115)	100.0 (150)	100.0 (427)	100.0 (143)	100.0 (570)

CLASS OF 1990 AGRICULTURE STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	2.4	3.6	2.0	3.1	0.7	2.5
Technologists and Technicians Includ- ing Health	0.3	0.9	0.0	0.0	1.4	0.4
Marketing and Sales	17.6	7.1	7.3	8.1	26.6	12.7
Clerical	7.8	8.0	4.6	3.6	17.3	7.0
Service	25.7	21.4	13.9	16.9	36.0	21.6
Farming, Forestry, and Fishing	7.1	11.6	21.9	15.2	2.2	12.0
Construction and Extractive	3.0	5.5	6.0	5.7	0.0	4.3
Transportation and Material Moving	5.7	2.7	3.3	5.5	1.4	4.5
Mechanics and Repairers	2.4	4.5	6.0	5.0	0.0	3.8
Production	10.8	11.6	9.9	12.1	6.5	10.7
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	17.2	23.2	25.2	24.8	7.9	20.6
Total Reporting Occupations	100.0 (296)	100.0 (112)	100.0 (151)	100.0 (420)	100.0 (139)	100.0 (559)

CLASS OF 1990 ART STUDENTS

Art classes were selected by 38.3 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 4,774 students who completed one or more courses in the curriculum category of Art.

48.8 percent of these Art students were male, and 51.2 percent were female. Of these students surveyed, 77.4 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Art History, Basic Design, Drawing, and Sculpture.

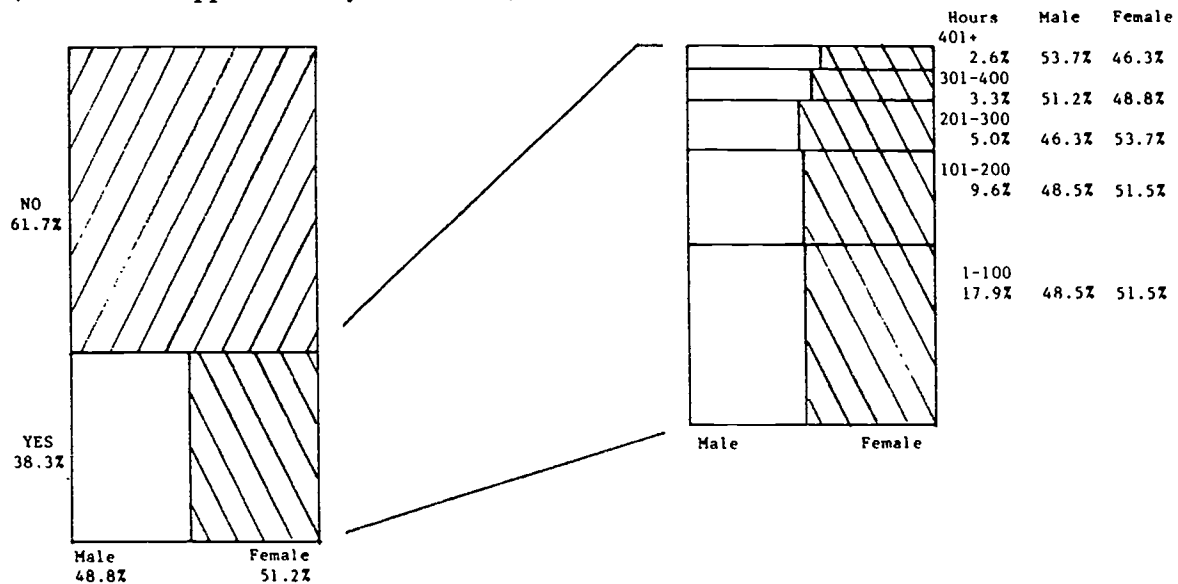
Of the 4,774 Art students, 3,417 had from 1 to 200 hours of courses; 1,031 students had courses totaling 201 to 400 hours; and 326 had 401 or more hours of course work. The total percentage of students who had selected any Art courses increased 1.7 over the Class of 1989 study.

PARTICIPATION IN ART

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 ART STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	69.4	66.2	66.9	64.5	72.5	68.6
Return Incomplete	8.6	9.5	8.9	9.6	8.1	8.8
No Return Received	21.9	24.2	24.2	25.9	19.4	22.6
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(3417)	(1031)	(326)	(2329)	(2445)	(4774)

CLASS OF 1990 ART STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	10.1	12.1	13.5	11.9	9.8	10.8
Community College	14.0	15.7	13.9	13.2	15.3	14.3
4-year College or University	42.0	31.8	33.1	34.0	43.9	39.2
Apprenticeship	0.3	0.5	0.8	0.3	0.4	0.4
Other Education	1.4	0.9	2.4	1.5	1.3	1.4
EMPLOYMENT						
Paid Employment	57.7	62.3	65.7	58.4	59.9	59.2
Homemaker	1.4	1.6	0.8	0.1	2.6	1.4
Military	4.6	5.0	3.7	8.2	1.4	4.6
Unemployed	11.5	13.9	1.6	10.6	13.6	12.2
OTHER						
Other Activity	2.4	1.6	1.6	1.8	2.5	2.2
Total Responses	145.3 (3831)	145.3 (1109)	150.2 (368)	140.0 (2391)	150.7 (2917)	145.7 (5308)
Total Reporting Activity	100.0 (2636)	100.0 (763)	100.0 (245)	100.0 (1708)	100.0 (1936)	100.0 (3644)

CLASS OF 1990 ART STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	24.2	28.4	30.2	28.3	23.1	25.5
Paid Employment and Vocational School	6.9	7.9	9.8	8.0	6.6	7.3
Paid Employment and Community College	8.7	10.6	11.8	7.9	10.6	9.3
Paid Employment and College or University	16.4	14.0	12.2	12.6	18.3	15.6
Vocational School (only)	2.1	2.5	0.8	2.5	1.7	2.1
Community College (only)	3.6	3.0	0.8	3.7	2.9	3.3
4-year College or University (only)	18.2	11.4	12.7	16.1	16.7	16.4
Education and Seeking Employment	8.7	9.4	12.2	7.4	10.6	9.1
Unemployed (only)	2.0	3.5	1.6	2.4	2.2	2.3
Activities Other Than The Above	9.2	9.2	7.8	11.1	7.3	9.1
Total Reporting Activity	100.0 (2628)	100.0 (763)	100.0 (245)	100.0 (1706)	100.0 (1930)	100.0 (3636)

**CLASS OF 1990 ART STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	84.8	82.9	86.2	85.3	84.0	84.5
Part-Time	15.2	17.1	13.8	14.7	16.0	15.5
Total Reporting Status	100.0 (1627)	100.0 (421)	100.0 (145)	100.0 (933)	100.0 (1260)	100.0 (2193)

**CLASS OF 1990 ART STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	14.2	11.3	10.5	13.7	13.1	13.4
State Universities	15.7	16.8	17.3	17.6	14.9	16.0
Area Vocational- Technical Institutes	13.7	16.5	13.5	18.6	11.1	14.2
Community College	18.8	24.3	21.8	19.3	20.5	20.0
Private Vocational Schools (including health related)	5.3	7.5	9.0	5.2	6.6	6.0
Private Jr. Colleges Liberal Arts Colleges	11.5	7.5	11.3	8.4	12.4	10.7
Institutions Outside Minnesota	20.8	16.0	16.5	17.1	21.4	19.6
Schools Not Reported	0.1	0.0	0.0	0.1	0.0	0.0
Total Reporting Schools	100.0 (1525)	100.0 (399)	100.0 (133)	100.0 (854)	100.0 (1203)	100.0 (2057)

**CLASS OF 1990 ART STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	46.0	48.9	44.9	53.2	40.9	46.6
Part-Time	54.0	51.1	55.1	46.8	59.1	53.4
Total Reporting Employed Status	100.0 (1481)	100.0 (460)	100.0 (156)	100.0 (971)	100.0 (1126)	100.0 (2097)

**CLASS OF 1990 ART STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.8	1.6	0.0	1.1	0.9	1.0
\$3.00 - \$3.99 per hour	2.5	2.6	1.1	0.4	39.0	2.4
\$4.00 - \$4.99 per hour	47.2	44.1	50.0	37.4	53.1	46.7
\$5.00 - \$5.99 per hour	26.2	28.9	20.2	28.2	25.2	26.4
\$6.00 - \$6.99 per hour	13.8	14.5	14.9	15.9	12.7	14.0
\$7.00 per hour or more	9.5	8.2	13.8	17.1	4.2	9.5
Total Reporting Wages	100.0 (965)	100.0 (304)	100.0 (94)	100.0 (561)	100.0 (802)	100.0 (1363)

**CLASS OF 1990 ART STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	3.1	2.6	3.9	5.6	0.9	3.1
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	1.8	2.6	3.2	4.1	0.4	2.1
Manufacturing	12.7	13.6	14.2	16.6	10.0	13.0
Transportation, Communications, and Other Public Utilities	2.1	3.9	3.9	3.9	1.6	2.7
Wholesale and Retail Trade	39.6	38.4	43.9	36.3	42.5	39.7
Finance, Insurance, and Real Estate	1.7	1.8	1.3	0.5	2.6	1.6
Business and Repair Services	7.0	6.1	3.2	9.1	4.4	6.5
Personal Services	6.3	6.8	9.0	4.7	8.3	6.6
Entertainment and Recreation Services	6.3	6.4	7.7	7.7	5.4	6.5
Professional and Related Services	15.9	14.7	8.4	8.0	21.0	15.1
Public Administration	0.7	0.7	0.0	0.8	0.4	0.6
Industry Not Reported	2.6	2.4	1.3	2.5	2.4	2.5
Total Reporting Activity	100.0 (1451)	100.0 (456)	100.0 (155)	100.0 (945)	100.0 (1117)	100.0 (2062)

**CLASS OF 1990 ART STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.3	2.2	6.5	5.1	3.1	4.0
Technologists and Technicians Includ- ing Health	1.3	0.9	1.3	0.9	1.4	1.2
Marketing and Sales	25.4	25.3	25.2	15.5	33.4	25.3
Clerical	12.7	12.7	6.5	3.9	19.2	12.3
Service	28.5	33.4	31.6	24.4	34.3	29.8
Farming, Forestry, and Fishing	2.4	2.9	3.9	5.6	0.2	2.6
Construction and Extractive	1.7	2.0	2.6	3.9	0.1	1.8
Transportation and Material Moving	1.8	2.2	1.3	3.8	0.3	1.9
Mechanics and Repairers	1.8	0.9	1.3	3.2	0.3	1.6
Production	6.6	5.7	5.8	9.1	4.0	6.3
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	13.5	11.9	14.2	24.8	3.8	13.3
Total Reporting Occupations	100.0 (1434)	100.0 (455)	100.0 (155)	100.0 (928)	100.0 (1120)	100.0 (2048)

CLASS OF 1990 BUSINESS STUDENTS

Business classes were selected by 61.3 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 7,633 students who completed one or more courses in the curriculum category of Business.

46.7 percent of these Business students were male, and 53.8 percent were female. Of these students surveyed, 81.5 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Accounting Principles, Typewriting, Business Correspondence, and Business Law.

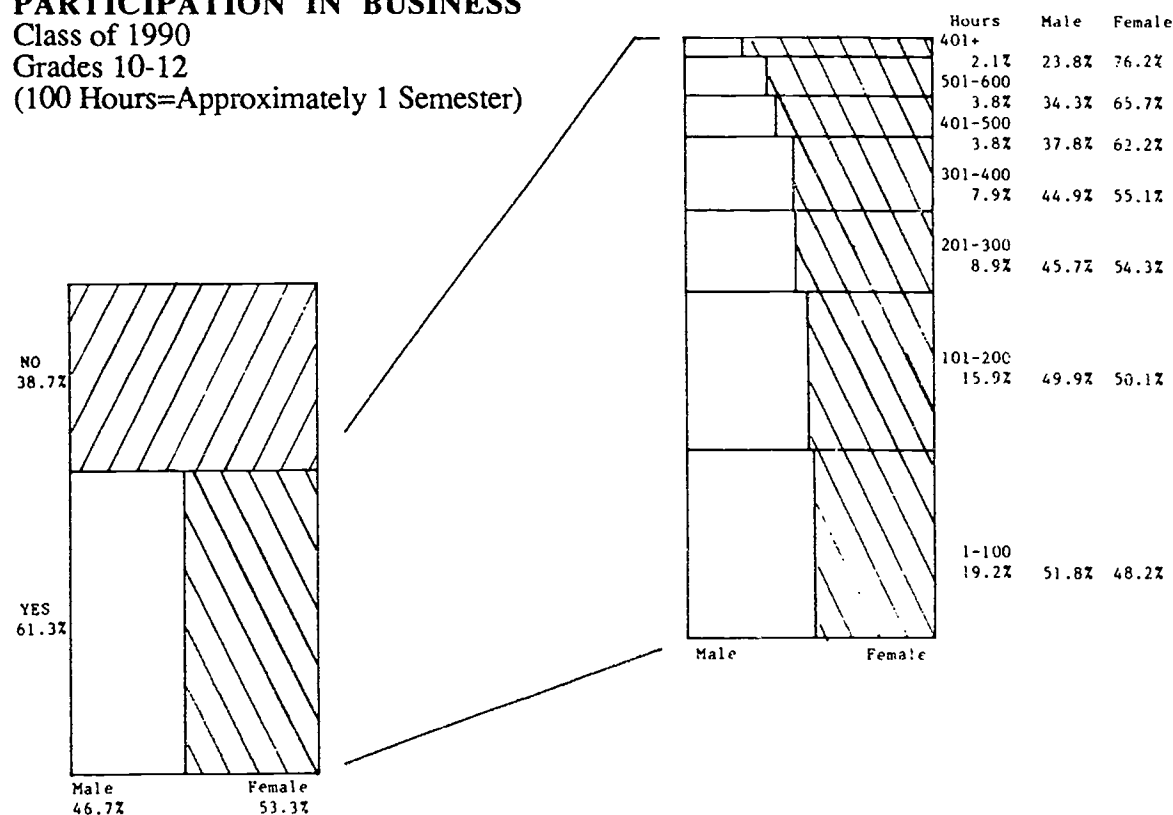
Of the 7,633 Business students, 4,368 had from 1 to 200 hours of courses; 2,073 students had courses totaling 201 to 400 hours; and 1,192 had 401 or more hours of course work. The total percentage of students who had selected any Business courses increased 10.6 from the Class of 1989 study.

PARTICIPATION IN BUSINESS

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 BUSINESS STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	74.2	74.8	74.9	70.9	77.6	74.5
Return Incomplete	7.0	6.7	7.5	7.6	6.4	7.0
No Return Received	18.8	18.5	17.6	21.5	15.9	18.5
Total Assessed	100.0 (4368)	100.0 (2073)	100.0 (1192)	100.0 (3565)	100.0 (4068)	100.0 (7633)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	10.1	11.1	15.0	12.2	10.3	11.2
Community College	14.6	14.5	16.4	12.9	16.5	14.9
4-year College or University	43.7	43.0	40.6	41.4	44.4	43.0
Apprenticeship	0.3	0.4	0.6	0.3	0.4	0.3
Other Education	1.0	1.5	1.7	1.2	1.3	1.3
EMPLOYMENT						
Paid Employment	57.4	58.5	63.4	55.4	61.4	58.7
Homemaker	1.2	1.2	1.8	0.1	2.3	1.3
Military	4.8	4.3	3.1	8.1	1.3	4.4
Unemployed	13.4	15.0	13.4	13.6	14.0	13.8
OTHER						
Other Activity	2.4	2.6	1.5	2.1	2.5	2.3
Total Responses	148.9	152.0	157.7	147.3	154.4	151.2
	(5216)	(2571)	(1536)	(4113)	(5210)	(9323)
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(3502)	(1691)	(974)	(2793)	(3374)	(6167)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	21.9	22.0	20.9	22.2	21.4	21.8
Paid Employment and Vocational School	6.2	6.6	10.2	7.2	6.7	7.0
Paid Employment and Community College	10.8	11.1	11.8	9.0	12.8	11.1
Paid Employment and College or University	17.2	17.4	18.3	15.5	19.0	17.4
Vocational School (only)	2.3	2.5	2.3	3.0	1.9	2.4
Community College (only)	2.4	2.3	2.4	2.5	2.3	2.4
4-year College or University (only)	17.5	15.5	13.1	16.8	15.8	16.3
Education and Seeking Employment	10.2	11.8	12.1	10.9	11.0	11.0
Unemployed (only)	2.5	1.7	0.7	1.8	2.1	2.0
Activities Other Than The Above	8.9	9.1	8.3	11.1	7.0	8.9
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(3494)	(1688)	(973)	(2790)	(3365)	(6155)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.9	86.0	84.6	87.0	84.7	85.7
Part-Time	14.1	14.0	15.4	13.0	15.3	14.3
Total Reporting Status	100.0 (2281)	100.0 (1125)	100.0 (688)	100.0 (1773)	100.0 (2321)	100.0 (4094)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	14.4	13.4	8.3	14.5	12.0	13.0
State Universities	16.0	21.5	24.3	20.8	17.6	19.0
Area Vocational- Technical Institutes	12.6	13.0	17.6	16.3	11.5	13.6
Community College	20.1	20.2	21.4	17.8	22.1	20.3
Private Vocational Schools (including health related)	3.9	5.7	6.4	3.4	6.0	4.9
Private Jr. Colleges Liberal Arts Colleges	14.0	11.6	8.4	11.1	13.3	12.4
Institutions Outside Minnesota	19.0	14.6	13.3	15.9	17.5	16.8
Schools Not Reported	0.0	0.1	0.3	0.1	0.1	0.1
Total Reporting Schools	100.0 (2132)	100.0 (1047)	100.0 (654)	100.0 (1636)	100.0 (2198)	100.0 (3834)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	43.2	43.0	39.7	48.5	38.1	42.6
Part-Time	56.8	57.0	60.3	51.5	61.9	57.4
Total Reporting Employed Status	100.0 (1969)	100.0 (965)	100.0 (605)	100.0 (1510)	100.0 (2029)	100.0 (3539)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.5	0.6	0.7	0.6	0.5	0.5
\$3.00 - \$3.99 per hour	2.4	1.6	3.1	0.5	3.5	2.3
\$4.00 - \$4.99 per hour	48.1	48.9	58.4	43.8	54.3	50.2
\$5.00 - \$5.99 per hour	27.4	25.1	22.7	27.8	24.6	25.9
\$6.00 - \$6.99 per hour	12.4	13.8	9.6	13.8	11.3	12.3
\$7.00 per hour or more	9.2	10.0	5.6	13.4	5.8	8.8
Total Reporting Wages	100.0 (1269)	100.0 (701)	100.0 (449)	100.0 (945)	100.0 (1474)	100.0 (2419)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	3.8	3.5	2.0	7.3	0.6	3.4
Mining	0.0	0.0	0.2	0.1	0.0	0.0
Construction	2.2	1.4	0.5	3.8	0.2	1.7
Manufacturing	11.8	12.1	10.8	14.7	9.6	11.7
Transportation, Communications, and Other Public Utilities	3.0	3.0	2.7	4.7	1.7	2.9
Wholesale and Retail Trade	38.8	36.6	36.3	35.5	39.5	37.8
Finance, Insurance, and Real Estate	1.2	2.3	2.7	0.7	2.6	1.8
Business and Repair Services	5.5	5.6	6.4	7.2	4.5	5.7
Personal Services	5.7	4.9	6.4	3.5	7.2	5.6
Entertainment and Recreation Services	6.2	7.7	7.6	7.6	6.3	6.9
Professional and Related Services	18.4	18.3	21.0	11.1	24.6	18.8
Public Administration	1.0	1.1	1.2	1.1	1.1	1.1
Industry Not Reported	2.2	3.4	2.0	2.6	2.4	2.5
Total Reporting Activity	100.0 (1925)	100.0 (966)	100.0 (590)	100.0 (1483)	100.0 (1998)	100.0 (3481)

**CLASS OF 1990 BUSINESS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.0	3.3	3.9	4.7	3.1	3.8
Technologists and Technicians Includ- ing Health	1.7	0.6	0.8	1.0	1.5	1.3
Marketing and Sales	25.9	27.4	26.5	18.2	32.5	26.4
Clerical	13.2	15.3	19.4	5.9	21.4	14.8
Service	29.6	29.5	29.9	23.1	34.4	29.6
Farming, Forestry, and Fishing	3.6	3.1	1.9	7.0	0.4	3.2
Construction and Extractive	1.8	1.4	0.5	3.3	0.1	1.5
Transportation and Material Moving	1.6	1.8	1.2	3.4	0.2	1.6
Mechanics and Repairers	1.3	1.5	0.7	2.9	0.1	1.2
Production	4.8	5.2	6.4	7.6	3.4	5.2
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	12.4	11.1	8.8	22.7	3.2	11.4
Total Reporting Occupations	100.0 (1928)	100.0 (949)	100.0 (592)	100.0 (1469)	100.0 (2000)	100.0 (3469)

CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS

Distributive Education classes were selected by **nine percent** of the 12,458 students who participated in the follow-up study. The data reported in this section include the 1,117 students who completed one or more courses in the curriculum category of Distributive Education.

45.8 percent of the Distributive Education students were male, and 54.2 percent were female. Of these students surveyed, 78.6 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Advertising Principles, Principles of Marketing, Retailing, and Sales Management.

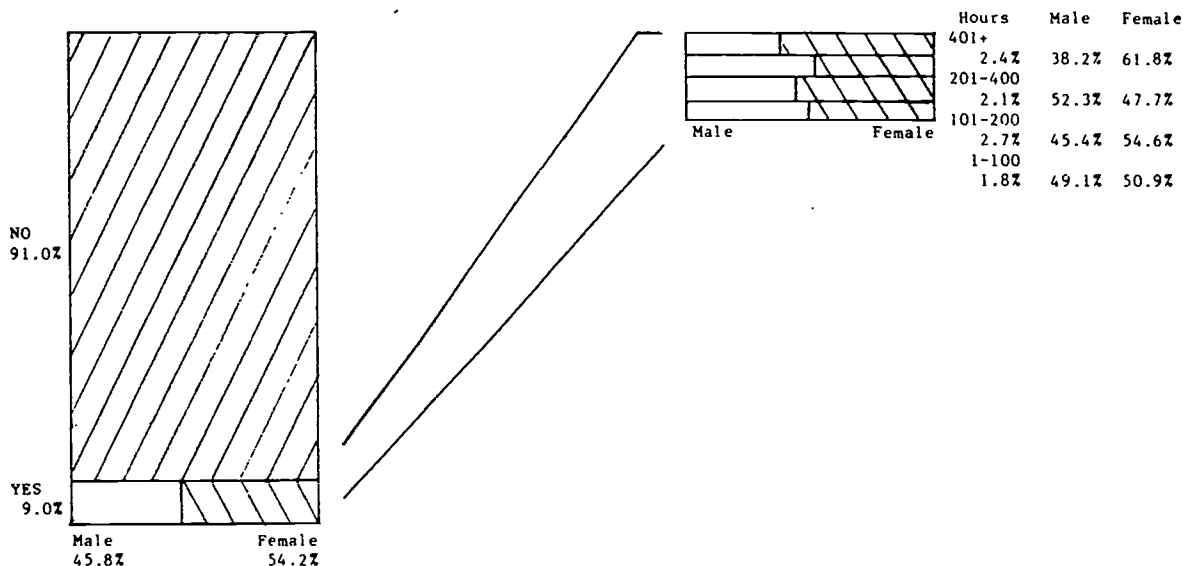
Of the 1,117 Distributive Education students, 562 had from 1 to 200 hours of courses; 257 students had courses totaling 201 to 400 hours; and 298 had 401 or more hours of course work. The total percentage of students who had selected any Distributive Education courses decreased .4 from the Class of 1989 study.

PARTICIPATION IN DISTRIBUTIVE EDUCATION

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	69.0	72.8	67.4	65.6	72.8	69.5
Return Incomplete	9.3	10.1	8.1	9.0	9.2	9.1
No Return Received	21.7	17.1	24.5	25.4	18.0	21.4
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(562)	(257)	(298)	(511)	(606)	(1117)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	9.3	10.1	10.9	10.0	9.8	9.9
Community College	18.1	12.8	17.2	15.5	17.4	16.6
4-year College or University	37.7	31.2	28.1	34.5	32.9	33.6
Apprenticeship	0.2	0.0	0.0	0.3	0.0	0.1
Other Education	1.2	0.5	0.9	1.1	0.8	0.9
EMPLOYMENT						
Paid Employment	57.0	66.5	72.9	57.6	67.9	63.4
Homemaker	2.3	2.8	0.9	0.0	3.7	2.1
Military	6.5	5.5	5.0	10.8	2.0	5.9
Unemployed	10.7	6.0	5.4	8.4	8.0	8.2
OTHER						
Other Activity	2.3	2.8	1.8	2.4	2.2	2.3
Total Responses	145.3 (625)	138.1 (301)	143.0 (316)	140.5 (534)	144.8 (708)	142.9 (1242)
Total Reporting Activity	100.0 (430)	100.0 (218)	100.0 (221)	100.0 (380)	100.0 (489)	100.0 (869)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	23.6	34.4	34.7	26.9	30.9	29.1
Paid Employment and Vocational School	5.4	6.9	6.8	5.0	7.0	6.1
Paid Employment and Community College	12.6	11.9	15.1	11.9	14.0	13.1
Paid Employment and College or University	13.8	10.6	15.1	11.6	14.6	13.3
Vocational School (only)	2.1	2.8	2.3	3.2	1.6	2.3
Community College (only)	4.4	0.0	1.8	2.9	2.5	2.7
4-year College or University (only)	17.8	17.0	11.0	18.2	14.0	15.8
Education and Seeking Employment	7.9	4.6	2.7	6.3	5.3	5.8
Unemployed (only)	1.4	0.5	1.8	0.8	1.6	1.3
Activities Other Than The Above	11.0	11.5	8.7	13.2	8.4	10.5
Total Reporting Activity	100.0 (428)	100.0 (218)	100.0 (219)	100.0 (379)	100.0 (486)	100.0 (865)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	80.2	81.4	91.3	82.6	83.5	83.1
Part-Time	19.8	18.6	8.7	17.4	16.5	16.9
Total Reporting Status	100.0 (268)	100.0 (113)	100.0 (115)	100.0 (218)	100.0 (278)	100.0 (496)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	13.5	12.3	17.0	15.6	12.9	14.1
State Universities	17.5	23.6	13.3	19.1	17.1	18.0
Area Vocational- Technical Institutes	11.6	14.2	21.9	14.6	14.4	14.5
Community College	25.1	19.8	22.9	22.1	24.3	23.4
Private Vocational Schools (including health related)	7.6	5.7	2.9	5.5	6.5	6.1
Private Jr. Colleges Liberal Arts Colleges	5.6	7.5	8.6	7.0	6.5	6.7
Institutions Outside Minnesota	19.1	17.0	13.3	16.1	18.3	17.3
Schools Not Reported	0.0	0.0	0.0	0.0	0.0	0.0
Total Reporting Schools	100.0 (251)	100.0 (106)	100.0 (105)	100.0 (199)	100.0 (263)	100.0 (462)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	46.7	60.4	50.6	56.0	48.5	51.5
Part-Time	53.3	39.6	49.4	44.0	51.5	48.5
Total Reporting Employed Status	100.0 (242)	100.0 (144)	100.0 (158)	100.0 (218)	100.0 (326)	100.0 (544)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.0	1.4	2.0	1.0	0.9	0.9
\$3.00 - \$3.99 per hour	1.3	1.4	0.0	0.0	1.4	0.9
\$4.00 - \$4.99 per hour	47.0	40.0	48.5	31.1	53.0	45.9
\$5.00 - \$5.99 per hour	32.9	25.7	31.7	37.9	27.6	30.9
\$6.00 - \$6.99 per hour	13.4	15.7	10.9	17.5	11.1	13.1
\$7.00 per hour or more	5.4	15.7	6.9	12.6	6.0	8.1
Total Reporting Wages	100.0 (149)	100.0 (70)	100.0 (101)	100.0 (103)	100.0 (217)	100.0 (320)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	1.7	3.6	1.9	5.6	0.0	2.2
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	0.8	1.4	1.3	2.3	0.3	1.1
Manufacturing	15.1	20.0	16.5	15.3	17.7	16.8
Transportation, Communications, and Other Public Utilities	2.9	2.1	3.2	4.7	1.6	2.8
Wholesale and Retail Trade	44.4	38.6	44.9	41.9	43.8	43.0
Finance, Insurance, and Real Estate	2.5	1.4	1.3	0.0	3.1	1.9
Business and Repair Services	7.9	8.6	9.5	10.2	7.5	8.6
Personal Services	3.8	8.6	3.2	2.8	6.2	4.8
Entertainment and Recreation Services	7.1	2.9	4.4	6.0	4.7	5.2
Professional and Related Services	10.9	11.4	12.0	7.9	13.7	11.4
Public Administration	0.4	0.7	0.6	1.4	0.0	0.6
Industry Not Reported	2.5	0.7	1.3	1.9	1.6	1.7
Total Reporting Activity	100.0 (239)	100.0 (140)	100.0 (158)	100.0 (215)	100.0 (322)	100.0 (537)

**CLASS OF 1990 DISTRIBUTIVE EDUCATION STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scientific, Teaching, and Related Occupations, Including Creative Artists	3.4	5.1	4.5	6.3	2.8	4.2
Technologists and Technicians Including Health	0.9	2.2	1.3	1.4	1.3	1.3
Marketing and Sales	33.2	30.4	39.0	23.6	41.1	34.2
Clerical	10.6	10.1	6.5	3.4	13.2	9.3
Service	28.5	24.6	35.1	23.6	33.2	29.4
Farming, Forestry, and Fishing	3.0	2.9	2.6	7.2	0.0	2.8
Construction and Extractive	0.9	1.4	0.6	1.9	0.3	0.9
Transportation and Material Moving	1.3	2.2	1.3	2.9	0.6	1.5
Mechanics and Repairers	1.3	1.4	0.0	2.4	0.0	0.9
Production	4.7	8.7	2.6	7.7	3.4	5.1
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	12.3	10.9	6.5	19.7	4.1	10.2
Total Reporting Occupations	100.0 (235)	100.0 (138)	100.0 (154)	100.0 (208)	100.0 (319)	100.0 (527)

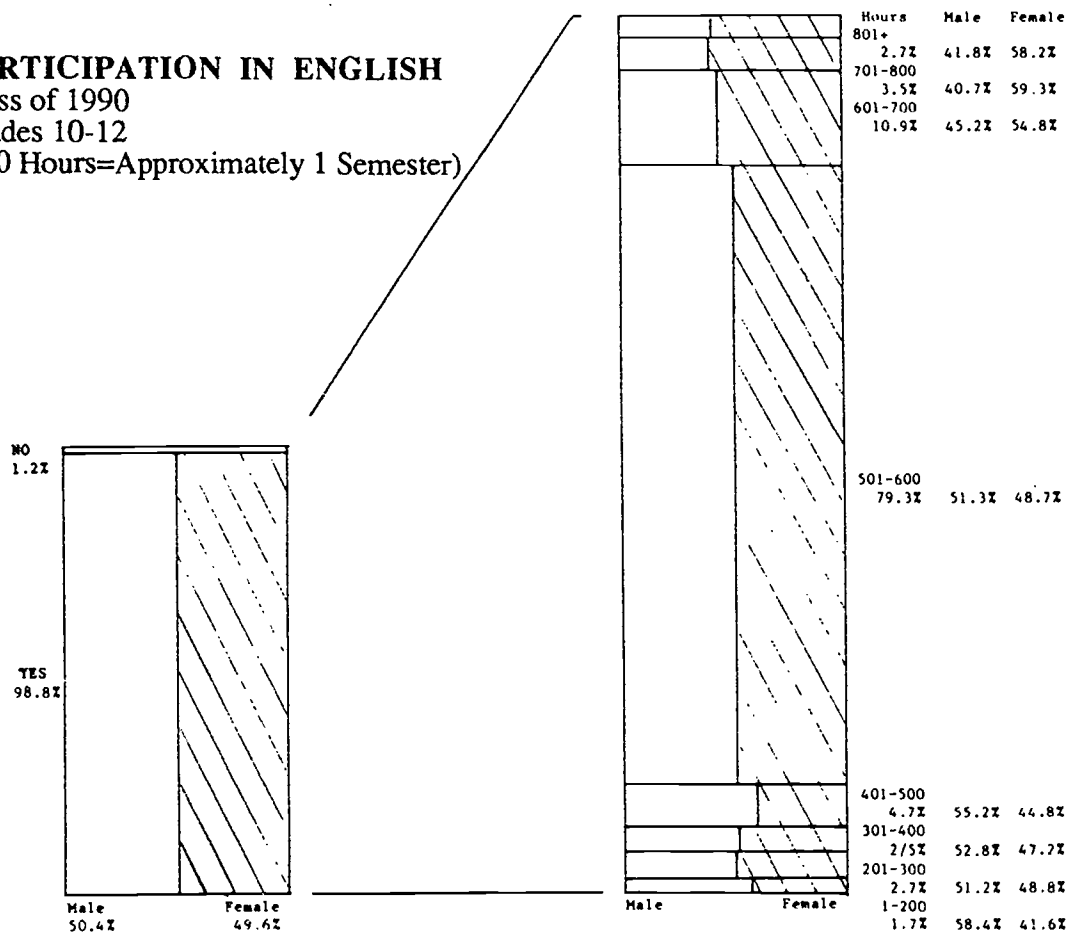
CLASS OF 1990 ENGLISH STUDENTS

English classes were selected by **98.8 percent** of the 12,458 students who participated in the follow-up study. The data reported in this section include the 12,304 students who completed one or more courses in the curriculum category of English.

50.4 percent of these English students were male, and 49.6 percent were female. Of these students surveyed, 80.5 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: American Literature, Grammar, Public Speaking, and Reading.

Of the 12,304 English students, 214 had from 1 to 200 hours of courses; 641 students had courses totaling 201 to 400 hours; and 11,449 had 401 or more hours of course work. The total percentage of students who had selected any English courses increased 3.3 from the Class of 1989 study.

PARTICIPATION IN ENGLISH Class of 1990 Grades 10-12 (100 Hours=Approximately 1 Semester)



CLASS OF 1990 ENGLISH STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	37.9	52.6	74.9	69.2	77.0	73.0
Return Incomplete	12.6	12.8	7.1	8.3	6.7	7.5
No Return Received	49.5	34.6	18.0	22.5	16.3	19.4
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(214)	(641)	(11449)	(6198)	(6106)	(12304)

**CLASS OF 1990 ENGLISH STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hour.	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	6.4	9.6	9.8	11.3	8.4	9.8
Community College	10.6	19.0	13.7	12.6	15.2	13.9
4-year College or University	23.4	30.6	47.8	43.0	50.5	46.8
Apprenticeship	1.1	0.5	0.3	0.3	0.3	0.3
Other Education	4.3	1.3	0.2	1.2	1.3	1.3
EMPLOYMENT						
Paid Employment	64.9	55.2	55.7	53.5	58.0	55.8
Homemaker	2.1	1.0	1.1	0.1	2.0	1.1
Military	3.2	5.3	4.5	8.0	1.3	4.5
Unemployed	10.6	12.7	13.5	13.0	13.9	13.5
OTHER						
Other Activity	2.1	5.6	2.5	2.3	2.8	2.6
Total Responses	128.7 (121)	140.8 (556)	150.1 (13965)	145.3 (6911)	153.5 (7731)	149.5 (14642)
Total Reporting Activity	100.0 (94)	100.0 (395)	100.0 (9302)	100.0 (4756)	100.0 (5035)	100.0 (9791)

**CLASS OF 1990 ENGLISH STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	46.2	26.3	20.1	21.9	19.3	20.6
Paid Employment and Vocational School	2.2	6.1	6.4	7.0	5.7	6.4
Paid Employment and Community College	5.4	12.2	9.9	8.3	11.4	9.9
Paid Employment and College or University	6.5	9.1	18.2	14.8	20.4	17.7
Vocational School (only)	3.2	2.3	2.0	2.7	1.4	2.1
Community College (only)	2.2	5.1	2.6	3.1	2.2	2.6
4-year College or University (only)	14.0	13.9	19.5	18.9	19.5	19.2
Education and Seeking Employment	5.4	6.1	11.0	10.3	11.3	10.8
Unemployed (only)	3.2	6.1	1.6	1.8	1.9	1.8
Activities Other Than The Above	11.8	12.9	8.7	11.2	6.8	8.9
Total Reporting Activity	100.0 (93)	100.0 (395)	100.0 (9286)	100.0 (4751)	100.0 (5023)	100.0 (9774)

**CLASS OF 1990 ENGLISH STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	86.8	88.3	86.8	87.9	85.9	86.8
Part-Time	13.2	11.7	13.2	12.1	14.1	13.2
Total Reporting Status	100.0 (38)	100.0 (231)	100.0 (6264)	100.0 (2968)	100.0 (3565)	100.0 (6533)

**CLASS OF 1990 ENGLISH STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	5.9	13.0	14.8	16.0	13.5	14.7
State Universities	5.9	13.0	16.3	17.2	15.4	16.2
Area Vocational- Technical Institutes	17.6	12.6	11.7	15.1	9.1	11.8
Community College	35.3	30.0	17.8	17.0	19.5	18.3
Private Vocational Schools (including health related)	11.8	4.9	4.3	3.5	5.0	4.3
Private Jr. Colleges Liberal Arts Colleges	11.8	13.9	14.1	12.2	15.7	14.1
Institutions Outside Minnesota	11.8	12.6	20.8	18.8	21.8	20.5
Schools Not Reported	0.0	0.0	0.1	0.1	0.1	0.1
Total Reporting Schools	100.0 (17)	100.0 (223)	100.0 (5887)	100.0 (2770)	100.0 (3352)	100.0 (6122)

**CLASS OF 1990 ENGLISH STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	78.7	50.9	41.2	48.3	36.5	42.0
Part-Time	21.3	49.1	58.8	51.7	63.5	58.0
Total Reporting Employed Status	100.0 (61)	100.0 (214)	100.0 (5059)	100.0 (2477)	100.0 (2857)	100.0 (5334)

**CLASS OF 1990 ENGLISH STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	3.3	0.8	0.5	0.6	0.4	0.5
\$3.00 - \$3.99 per hour	3.3	0.8	2.3	0.6	3.4	2.2
\$4.00 - \$4.99 per hour	20.0	57.9	48.2	40.8	53.8	48.3
\$5.00 - \$5.99 per hour	26.7	21.8	26.7	28.4	25.1	26.5
\$6.00 - \$6.99 per hour	10.0	8.3	13.2	15.3	11.2	13.0
\$7.00 per hour or more	36.7	10.5	9.2	14.3	5.9	9.5
Total Reporting Wages	100.0 (30)	100.0 (133)	100.0 (3401)	100.0 (1499)	100.0 (2065)	100.0 (3564)

**CLASS OF 1990 ENGLISH STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.5	1.9	3.0	5.8	0.6	3.0
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	5.0	1.4	2.0	4.0	0.2	2.0
Manufacturing	12.5	10.5	11.6	14.6	9.0	11.6
Transportation, Communications, and Other Public Utilities	0.0	6.2	2.6	4.1	1.5	2.7
Wholesale and Retail Trade	30.0	34.9	37.7	35.4	39.4	37.5
Finance, Insurance, and Real Estate	0.0	1.0	1.8	0.7	2.7	1.8
Business and Repair Services	15.0	7.7	5.9	7.8	4.4	6.0
Personal Services	5.0	8.1	6.0	4.3	7.7	6.1
Entertainment and Recreation Services	7.5	6.2	6.8	7.7	6.1	6.8
Professional and Related Services	17.5	17.2	19.0	11.5	25.4	19.0
Public Administration	2.5	1.4	1.2	1.5	0.9	1.2
Industry Not Reported	2.5	3.3	2.4	2.7	2.3	2.5
Total Reporting Activity	100.0 (40)	100.0 (209)	100.0 (4999)	100.0 (2429)	100.0 (2818)	100.0 (5247)

CLASS OF 1990 ENGLISH STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	15.6	1.9	4.0	4.8	3.3	4.0
Technologists and Technicians Includ- ing Health	2.2	1.5	1.4	1.3	1.6	1.4
Marketing and Sales	8.9	29.1	25.4	17.5	32.1	25.4
Clerical	13.3	10.2	14.5	6.2	21.1	14.3
Service	31.1	27.2	30.1	24.4	34.8	30.0
Farming, Forestry, and Fishing	0.0	2.9	2.7	5.5	0.3	2.7
Construction and Extractive	4.4	0.5	1.7	3.5	0.1	1.6
Transportation and Material Moving	2.2	2.9	1.8	3.9	0.2	1.9
Mechanics and Repairers	0.0	2.9	1.5	3.1	0.1	1.5
Production	4.4	6.8	5.1	7.6	3.1	5.1
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	17.8	14.1	11.8	22.2	3.3	12.0
Total Reporting	100.0	100.0	100.0	100.0	100.0	100.0
Occupations	(45)	(206)	(4963)	(2396)	(2818)	(5214)

CLASS OF 1990 FOREIGN LANGUAGE STUDENTS

Foreign Language classes were selected by **60.4 percent** of the 12,458 students who participated in the follow-up study. The data reported in this section include the 7,527 students who completed one or more courses in the curriculum category of Foreign Language.

Forty-three percent of these Foreign Language students were male, and fifty-seven percent were female. Of these students surveyed, 84.4 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: German, Spanish and French.

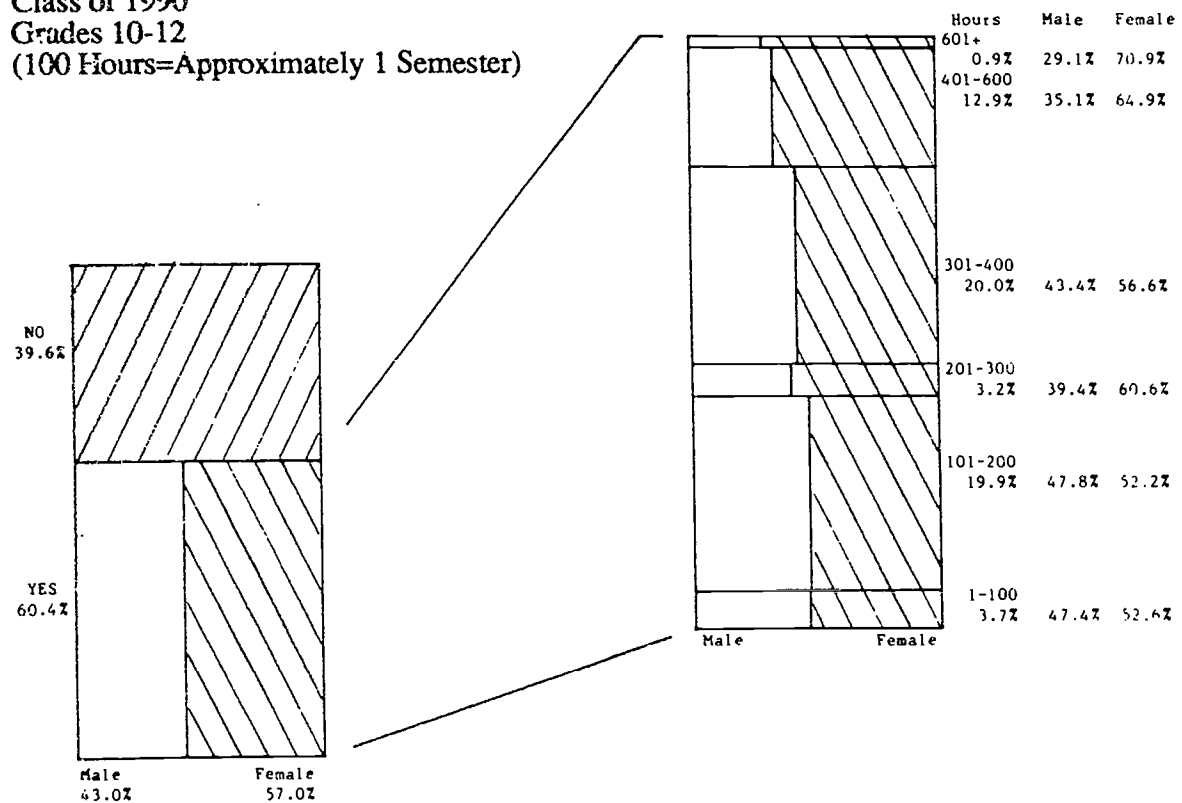
Of the 7,527 Foreign Language students, 2,933 had from 1 to 200 hours of courses; 2,875 students had courses totaling 201 to 400 hours; and 1,719 had 401 or more hours of course work. The total percentage of students who had selected any Foreign Language courses increased 5.7 over the Class of 1989 study.

PARTICIPATION IN FOREIGN LANGUAGE

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 FOREIGN LANGUAGE STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	74.6	78.6	81.2	74.7	79.8	77.6
Return Incomplete	7.2	7.1	5.5	7.1	6.5	6.8
No Return Received	18.3	14.3	13.3	18.2	13.7	15.6
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(2933)	(2875)	(1719)	(3235)	(4292)	(7527)

**CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	8.7	4.3	2.5	5.4	5.6	5.5
Community College	16.9	12.8	11.6	13.1	14.7	14.1
4-year College or University	47.2	66.6	74.7	62.0	60.6	61.2
Apprenticeship	0.3	0.2	0.0	0.2	0.2	0.2
Other Education	1.1	0.9	1.4	0.9	1.2	1.1
EMPLOYMENT						
Paid Employment	56.7	47.7	44.2	45.3	53.9	50.3
Homemaker	1.1	0.7	0.2	0.1	1.2	0.8
Military	5.1	3.3	2.2	7.1	1.3	3.7
Unemployed	14.9	16.9	13.3	15.5	15.2	15.3
OTHER						
Other Activity	2.4	2.6	3.5	2.6	2.8	2.7
Total Responses	154.4 (3669)	156.1 (3790)	153.6 (2270)	152.2 (3984)	156.8 (5745)	154.9 (9729)
Total Reporting Activity	100.0 (2376)	100.0 (2428)	100.0 (1478)	100.0 (2617)	100.0 (3665)	100.0 (6282)

**CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	18.2	10.5	7.2	10.9	13.8	12.6
Paid Employment and Vocational School	5.9	2.7	2.0	3.6	3.9	3.7
Paid Employment and Community College	12.2	9.2	9.0	8.8	11.3	10.3
Paid Employment and College or University	19.2	24.5	25.4	21.0	24.0	22.7
Vocational School (only)	1.4	0.9	0.4	1.0	0.9	0.9
Community College (only)	3.0	2.2	1.9	3.1	1.9	2.4
4-year College or University (only)	17.3	26.6	34.9	27.0	23.6	25.0
Education and Seeking Employment	12.0	15.4	12.1	13.6	13.2	13.4
Unemployed (only)	2.0	0.9	0.7	0.9	1.5	1.2
Activities Other Than The Above	8.8	7.1	6.4	10.1	5.8	7.6
Total Reporting Activity	100.0 (2369)	100.0 (2427)	100.0 (1477)	100.0 (2615)	100.0 (3658)	100.0 (6273)

**CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.0	89.7	89.7	88.6	87.7	88.1
Part-Time	15.0	10.3	10.3	11.4	12.3	11.9
Total Reporting Status	100.0 (1640)	100.0 (1908)	100.0 (1241)	100.0 (1967)	100.0 (2822)	100.0 (4789)

**CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	13.6	19.3	18.1	19.6	15.2	17.0
State Universities	20.5	17.9	11.6	18.9	16.0	17.2
Area Vocational- Technical Institutes	9.1	4.3	1.5	5.4	5.1	5.2
Community College	22.1	14.9	12.4	15.3	17.8	16.8
Private Vocational Schools (including health related)	5.0	2.2	2.4	2.6	3.6	3.2
Private Jr. Colleges Liberal Arts Colleges	12.5	18.7	19.8	15.6	17.6	16.8
Institutions Outside Minnesota	17.3	22.7	34.1	22.6	24.6	23.8
Schools Not Reported	0.1	0.1	0.2	0.1	0.1	0.1
Total Reporting Schools	100.0 (1535)	100.0 (1806)	100.0 (1133)	100.0 (1829)	100.0 (2642)	100.0 (4471)

**CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	38.0	28.7	22.7	33.4	30.3	31.4
Part-Time	62.0	71.3	77.3	66.6	69.7	68.6
Total Reporting Employed Status	100.0 (1323)	100.0 (1123)	100.0 (639)	100.0 (1148)	100.0 (1937)	100.0 (3085)

**CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.4	0.2	0.4	0.1	0.5	0.4
\$3.00 - \$3.99 per hour	2.3	2.5	3.3	0.6	3.7	2.6
\$4.00 - \$4.99 per hour	54.4	49.9	48.9	46.2	54.5	51.6
\$5.00 - \$5.99 per hour	23.9	27.8	25.4	26.6	25.1	25.6
\$6.00 - \$6.99 per hour	11.1	12.1	14.6	14.6	10.9	12.2
\$7.00 per hour or more	7.9	7.4	7.4	11.8	5.4	7.6
Total Reporting Wages	100.0 (939)	100.0 (824)	100.0 (460)	100.0 (773)	100.0 (1450)	100.0 (2223)

**CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.2	0.9	0.5	2.7	0.6	1.3
Mining	0.0	0.0	0.2	0.1	0.0	0.0
Construction	1.3	0.4	0.5	1.8	0.3	0.8
Manufacturing	10.9	8.6	6.8	11.2	8.0	9.2
Transportation, Communications, and Other Public Utilities	3.7	1.3	1.3	3.7	1.5	2.3
Wholesale and Retail Trade	39.6	39.3	39.5	38.9	39.8	39.5
Finance, Insurance, and Real Estate	1.5	2.2	1.7	0.8	2.4	1.8
Business and Repair Services	5.0	4.4	4.6	5.2	4.3	4.7
Personal Services	5.8	6.5	6.3	4.3	7.2	6.2
Entertainment and Recreation Services	7.4	7.5	5.7	9.9	5.4	7.1
Professional and Related Services	18.2	24.9	29.2	16.3	27.0	23.0
Public Administration	1.8	1.0	1.9	2.2	1.1	1.5
Industry Not Reported	2.6	3.0	2.0	2.8	2.5	2.6
Total Reporting Activity	100.0 (1288)	100.0 (1115)	100.0 (636)	100.0 (1130)	100.0 (1909)	100.0 (3039)

CLASS OF 1990 FOREIGN LANGUAGE STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.5	4.9	3.7	5.5	3.9	4.5
Technologists and Technicians Includ- ing Health	1.1	1.5	3.1	2.0	1.5	1.7
Marketing and Sales	29.0	29.2	31.5	23.3	33.3	29.6
Clerical	15.3	18.3	19.3	9.0	22.0	17.2
Service	30.9	31.8	32.9	26.7	34.5	31.6
Farming, Forestry, and Fishing	1.8	1.4	0.5	3.3	0.2	1.4
Construction and Extractive	1.6	0.2	0.2	2.1	0.1	0.8
Transportation and Material Moving	1.3	1.3	0.5	2.8	0.1	1.1
Mechanics and Repairers	0.9	0.5	0.2	1.7	0.0	0.6
Production	3.5	2.5	2.2	4.7	1.8	2.9
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	10.0	8.4	6.1	18.9	2.6	8.6
Total Reporting Occupations	100.0 (1275)	100.0 (1098)	100.0 (642)	100.0 (1108)	100.0 (1906)	100.0 (3014)

CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS

Health Occupations classes were selected by 3.6 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 445 students who completed one or more courses in the curriculum category of Health Occupations.

28.3 percent of these Health Occupations students were male, and 71.7 percent were female. Of these students surveyed, 77.3 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Dental Assisting, Home Health Aide, Medical Assistant, and Nursing Aide.

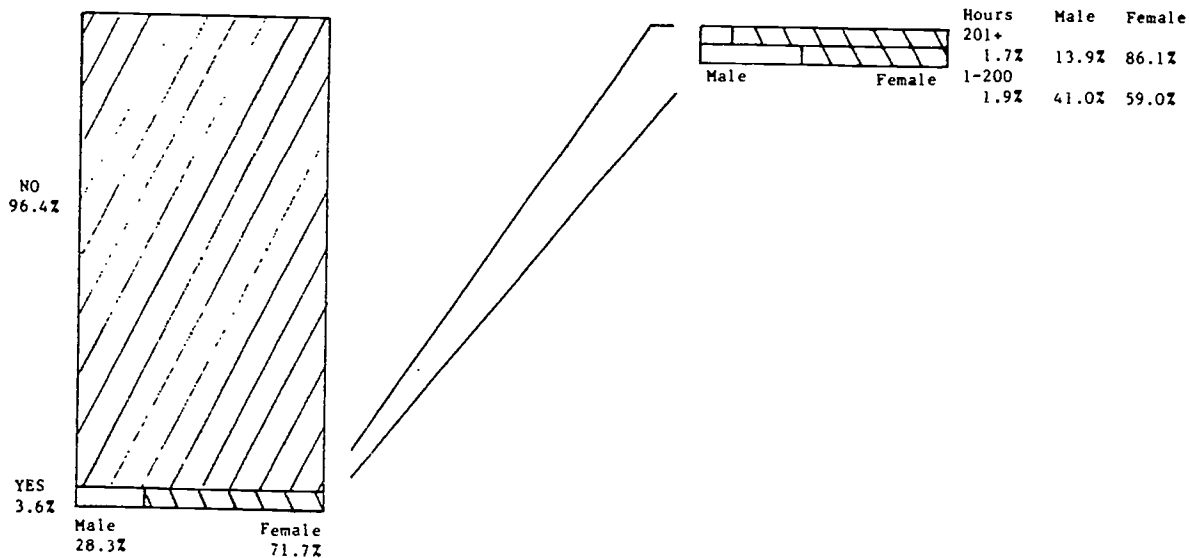
Of the 445 Health Occupations students, 238 had from 1 to 200 hours of courses; 180 students had courses totaling 201 to 400 hours; and 27 had 401 or more hours of course work. The total percentage of students who had selected any Health Occupations courses increased 1.1 from the Class of 1989 study.

PARTICIPATION IN HEALTH OCCUPATIONS

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	65.1	75.6	77.8	65.9	71.8	70.1
Return Incomplete	8.0	6.7	3.7	4.8	8.2	7.2
No Return Received	26.9	17.8	18.5	29.4	20.1	22.7
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(238)	(180)	(27)	(126)	(319)	(445)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	13.3	18.1	8.7	10.0	16.8	15.0
Community College	9.8	20.1	13.0	7.8	16.8	14.4
4-year College or University	38.7	21.5	34.8	42.2	27.2	31.2
Apprenticeship	0.6	0.7	0.0	0.0	0.8	0.6
Other Education	2.9	2.1	4.3	2.2	2.8	2.6
EMPLOYMENT						
Paid Employment	54.9	72.9	78.3	50.0	69.2	64.1
Homemaker	0.0	0.0	0.0	0.0	0.0	0.0
Military	6.4	2.8	8.7	13.3	2.0	5.0
Unemployed	20.8	9.7	0.0	22.2	12.0	14.7
OTHER						
Other Activity	2.3	0.7	0.0	2.2	1.2	1.5
Total Responses	149.7 (259)	148.6 (214)	147.8 (34)	150.0 (135)	148.8 (372)	149.1 (507)
Total Reporting Activity	100.0 (173)	100.0 (144)	100.0 (23)	100.0 (90)	100.0 (250)	100.0 (340)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	24.4	31.5	34.8	23.3	29.8	28.1
Paid Employment and Vocational School	5.8	13.3	8.7	3.3	11.3	9.2
Paid Employment and Community College	5.8	16.1	13.0	4.4	12.9	10.7
Paid Employment and College or University	17.4	11.2	21.7	16.7	14.5	15.1
Vocational School (only)	2.3	3.5	0.0	3.3	2.4	2.7
Community College (only)	3.5	2.8	0.0	2.2	3.2	3.0
4-year College or University (only)	10.5	6.3	13.0	11.1	8.1	8.9
Education and Seeking Employment	15.1	5.6	0.0	17.8	7.3	10.1
Unemployed (only)	3.5	3.5	0.0	1.1	4.0	3.3
Activities Other Than The Above	11.6	6.3	8.7	16.7	6.5	9.2
Total Reporting Activity	100.0 (172)	100.0 (143)	100.0 (23)	100.0 (90)	100.0 (248)	100.0 (338)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	84.1	70.7	91.7	87.0	76.2	79.1
Part-Time	15.9	29.3	8.3	13.0	23.8	20.9
Total Reporting Status	100.0 (107)	100.0 (82)	100.0 (12)	100.0 (54)	100.0 (147)	100.0 (201)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	10.3	9.6	7.7	10.0	9.8	9.8
State Universities	25.8	10.8	15.4	32.0	14.0	18.7
Area Vocational- Technical Institutes	17.5	21.7	15.4	16.0	20.3	19.2
Community College	14.4	32.5	23.1	12.0	26.6	22.8
Private Vocational Schools (including health related)	4.1	7.2	7.7	2.0	7.0	5.7
Private Jr. Colleges Liberal Arts Colleges	14.4	9.6	0.0	6.0	13.3	11.4
Institutions Outside Minnesota	13.4	8.4	30.8	22.0	9.1	12.4
Schools Not Reported	0.0	0.0	0.0	0.0	0.0	0.0
Total Reporting Schools	100.0 (97)	100.0 (83)	100.0 (13)	100.0 (50)	100.0 (143)	100.0 (193)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	43.8	46.6	35.3	52.3	42.4	44.4
Part-Time	56.3	53.4	64.7	47.7	57.6	55.6
Total Reporting Employed Status	100.0 (96)	100.0 (103)	100.0 (17)	100.0 (44)	100.0 (172)	100.0 (216)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.0	0.0	0.0	0.0	0.0	0.0
\$3.00 - \$3.99 per hour	1.3	4.2	0.0	0.0	3.3	2.6
\$4.00 - \$4.99 per hour	56.6	47.2	42.9	54.5	50.8	51.6
\$5.00 - \$5.99 per hour	23.7	23.6	28.6	33.3	21.3	23.9
\$6.00 - \$6.99 per hour	15.8	13.9	14.3	9.1	16.4	14.8
\$7.00 per hour or more	2.6	11.1	14.3	3.0	8.2	7.1
Total Reporting Wages	100.0 (76)	100.0 (72)	100.0 (7)	100.0 (33)	100.0 (122)	100.0 (155)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	6.5	1.0	0.0	14.0	0.6	3.3
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	1.1	1.0	0.0	4.7	0.0	0.9
Manufacturing	22.8	10.7	5.9	23.3	13.6	15.6
Transportation, Communications, and Other Public Utilities	1.1	1.0	5.9	2.3	1.2	1.4
Wholesale and Retail Trade	20.7	34.0	58.8	18.6	33.1	30.2
Finance, Insurance, and Real Estate	1.1	1.9	0.0	0.0	1.8	1.4
Business and Repair Services	7.6	1.0	5.9	11.6	2.4	4.2
Personal Services	7.6	2.9	0.0	4.7	4.7	4.7
Entertainment and Recreation Services	6.5	4.9	5.9	4.7	5.9	5.7
Professional and Related Services	21.7	36.9	17.6	16.3	32.0	28.8
Public Administration	0.0	1.0	0.0	0.0	0.6	0.5
Industry Not Reported	3.3	3.9	0.0	0.0	4.1	3.3
Total Reporting Activity	100.0 (92)	100.0 (103)	100.0 (17)	100.0 (43)	100.0 (169)	100.0 (212)

**CLASS OF 1990 HEALTH OCCUPATIONS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.4	3.8	0.0	7.0	3.0	3.8
Technologists and Technicians Includ- ing Health	2.2	5.7	0.0	2.3	4.1	3.8
Marketing and Sales	25.6	26.7	17.6	2.3	31.4	25.5
Clerical	7.8	7.6	11.8	0.0	10.1	8.0
Service	37.8	43.8	41.2	30.2	43.8	41.0
Farming, Forestry, and Fishing	3.3	1.0	0.0	9.3	0.0	1.9
Construction and Extractive	1.1	0.0	0.0	2.3	0.0	0.5
Transportation and Material Moving	1.1	1.0	11.8	7.0	0.6	1.9
Mechanics and Repairers	1.1	1.0	0.0	4.7	0.0	0.9
Production	4.4	1.0	5.9	9.3	1.2	2.8
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	11.1	8.6	11.8	25.6	5.9	9.9
Total Reporting	100.0	100.0	100.0	100.0	100.0	100.0
Occupations	(90)	(105)	(17)	(43)	(169)	(212)

CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS

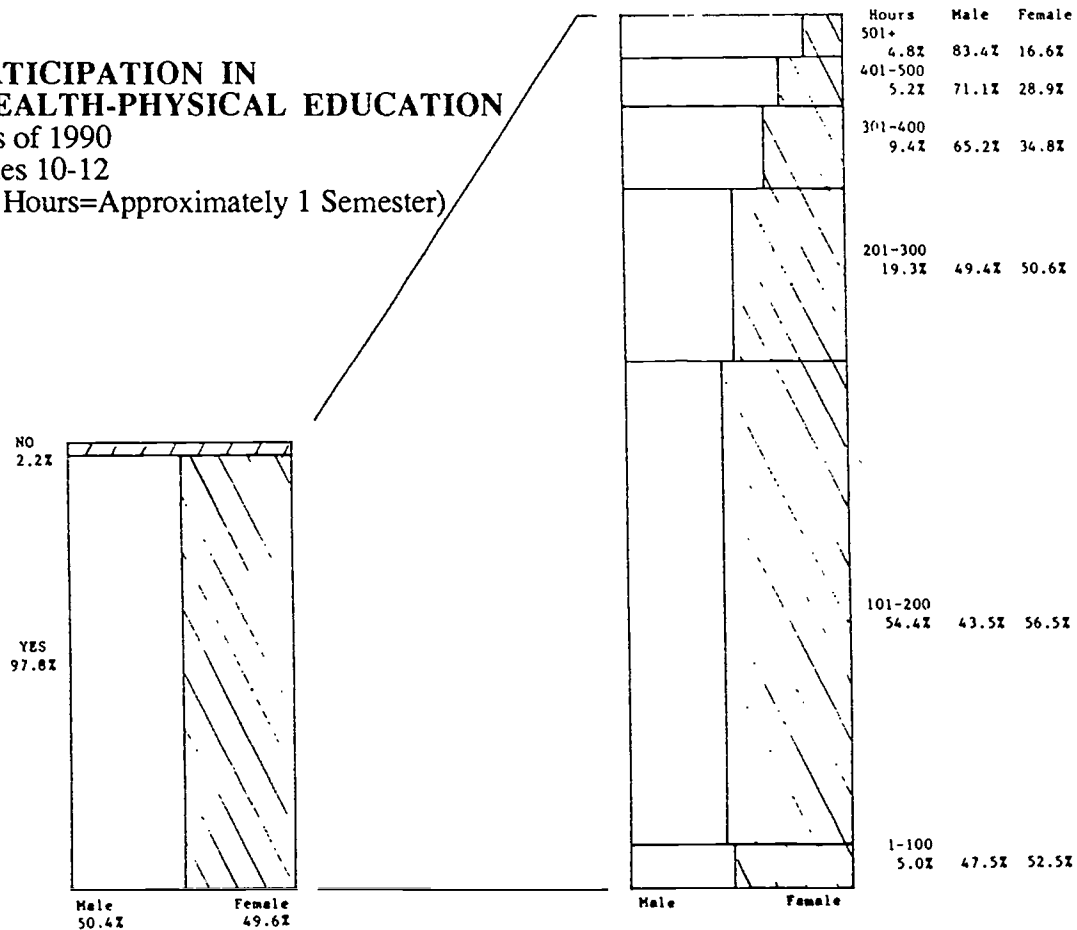
Health-Physical Education classes were selected by 97.8 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 12,182 students who completed one or more courses in the curriculum category of Health-Physical Education.

50.4 percent of these students were male, and 49.6 percent were female. Of these students surveyed, 80.8 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Health, First Aid, and Recreation.

Of the 12,182 Health-Physical Education students, 7,371 had from 1 to 200 hours of courses; 3,565 students had courses totaling 201 to 400 hours; and 1,246 had 401 or more hours of course work. The total percentage of students who had selected any Health-Physical Education courses increased 4.2 from the Class of 1989 study.

PARTICIPATION IN HEALTH-PHYSICAL EDUCATION

Class of 1990
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	72.6	74.0	75.1	69.4	77.2	73.3
Return Incomplete	7.5	7.8	6.7	8.2	6.7	7.5
No Return Received	20.0	18.2	18.2	22.4	16.1	19.3
Total Assessed	100.0 (7371)	100.0 (3565)	100.0 (1246)	100.0 (6134)	100.0 (6048)	100.0 (12182)

**CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	10.3	9.4	7.7	11.3	8.6	9.8
Community College	12.2	16.4	17.0	12.6	15.2	14.0
4-year College or University	50.2	42.4	39.7	43.0	50.4	46.8
Apprenticeship	0.3	0.2	0.4	0.3	0.3	0.3
Other Education	1.4	1.0	1.2	1.2	1.3	1.3
EMPLOYMENT						
Paid Employment	55.2	57.4	55.7	53.6	58.0	55.9
Homemaker	1.2	0.9	0.7	0.1	2.0	1.1
Military	3.4	5.1	8.6	7.9	1.3	4.5
Unemployed	1.8	14.5	14.7	12.9	13.9	13.4
OTHER						
Other Activity	3.0	2.0	1.5	2.3	2.8	2.6
Total Responses	150.0 (8747)	149.4 (4270)	147.2 (1521)	145.2 (6850)	153.5 (7688)	149.5 (14538)
Total Reporting Activity	100.0 (5833)	100.0 (2858)	100.0 (1033)	100.0 (4717)	100.0 (5007)	100.0 (9724)

**CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	19.4	22.3	23.0	22.1	19.3	20.6
Paid Employment and Vocational School	6.4	6.3	6.1	7.0	5.7	6.3
Paid Employment and Community College	8.6	11.8	12.4	8.4	11.5	10.0
Paid Employment and College or University	19.5	15.9	12.6	14.8	20.4	17.7
Vocational School (only)	2.4	1.7	0.9	2.7	1.4	2.0
Community College (only)	2.5	2.9	3.0	3.1	2.2	2.6
4-year College or University (only)	21.0	16.6	16.6	19.0	19.5	19.2
Education and Seeking Employment	10.1	11.7	12.2	10.2	11.3	10.8
Unemployed (only)	1.8	1.9	1.5	1.8	1.8	1.8
Activities Other Than The Above	8.3	8.9	11.8	11.0	6.8	8.9
Total Reporting Activity	100.0 (5822)	100.0 (2853)	100.0 (1032)	100.0 (4712)	100.0 (4995)	100.0 (9707)

CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	87.3	87.0	83.4	88.0	86.0	86.9
Part-Time	12.7	13.0	16.6	12.0	14.0	13.1
Total Reporting Status	100.0 (4050)	100.0 (1836)	100.0 (603)	100.0 (2945)	100.0 (3544)	100.0 (6489)

CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	15.2	14.2	12.3	15.9	13.6	14.6
State Universities	15.3	17.1	19.9	17.2	15.4	16.2
Area Vocational- Technical Institutes	12.1	11.6	10.1	15.1	9.0	11.8
Community College	15.2	22.6	26.2	17.1	19.6	18.4
Private Vocational Schools (including health related)	4.4	4.0	4.8	3.4	5.1	4.3
Private Jr. Colleges Liberal Arts Colleges	15.3	12.0	12.7	12.2	15.7	14.1
Institutions Outside Minnesota	22.4	18.3	14.0	18.9	21.7	20.4
Schools Not Reported	0.1	0.1	0.0	0.1	0.1	0.1
Total Reporting Schools	100.0 (3751)	100.0 (1754)	100.0 (584)	100.0 (2752)	100.0 (3335)	100.0 (6087)

CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	40.6	44.2	43.7	48.3	36.5	42.0
Part-Time	59.4	55.8	56.3	51.7	63.5	58.0
Total Reporting Employed Status	100.0 (3146)	100.0 (1608)	100.0 (551)	100.0 (2462)	100.0 (2843)	100.0 (5305)

CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.5	0.4	1.3	0.6	0.5	0.5
\$3.00 - \$3.99 per hour	2.3	2.5	0.7	0.6	3.4	2.2
\$4.00 - \$4.99 per hour	50.9	45.2	38.6	40.6	53.7	48.3
\$5.00 - \$5.99 per hour	25.7	27.6	28.9	28.5	25.1	26.5
\$6.00 - \$6.99 per hour	12.1	13.5	17.4	15.3	11.3	13.0
\$7.00 per hour or more	8.4	10.7	13.1	14.4	5.9	9.5
Total Reporting Wages	100.0 (2241)	100.0 (1005)	100.0 (298)	100.0 (1486)	100.0 (2058)	100.0 (3544)

CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	3.3	2.4	3.1	5.8	0.6	3.0
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	1.6	1.9	4.0	3.9	0.2	1.9
Manufacturing	11.7	10.4	14.5	14.5	9.1	11.6
Transportation, Communications, and Other Public Utilities	3.0	2.0	3.3	4.1	1.5	2.7
Wholesale and Retail Trade	36.4	40.1	37.0	35.5	39.4	37.6
Finance, Insurance, and Real Estate	1.5	2.3	1.5	0.7	2.6	1.7
Business and Repair Services	6.0	5.6	7.3	7.9	4.4	6.0
Personal Services	6.6	5.4	5.1	4.3	7.6	6.1
Entertainment and Recreation Services	5.0	9.5	9.5	7.7	6.1	6.8
Professional and Related Services	20.8	17.3	12.5	11.4	25.3	18.9
Public Administration	1.3	1.1	0.7	1.4	0.9	1.2
Industry Not Reported	2.9	2.0	1.5	2.7	2.3	2.5
Total Reporting Activity	100.0 (3088)	100.0 (1587)	100.0 (546)	100.0 (2414)	100.0 (2807)	100.0 (5221)

CLASS OF 1990 HEALTH-PHYSICAL EDUCATION STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.2	3.7	3.3	4.7	3.2	4.0
Technologists and Technicians Includ- ing Health	1.6	1.5	0.5	1.3	1.6	1.5
Marketing and Sales	24.2	28.6	22.7	17.5	32.1	25.4
Clerical	16.1	13.1	7.5	6.2	21.1	14.3
Service	30.1	28.7	28.0	24.4	34.8	30.0
Farming, Forestry, and Fishing	2.5	2.3	4.4	5.5	0.3	2.7
Construction and Extractive	1.2	1.8	3.1	3.4	0.1	1.6
Transportation and Material Moving	1.6	1.5	4.2	3.8	0.2	1.9
Mechanics and Repairers	1.8	1.2	0.9	3.1	0.1	1.5
Production	5.2	5.3	4.8	7.6	3.1	5.2
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	10.4	12.2	20.7	22.4	3.3	12.1
Total Reporting Occupations	100.0 (3063)	100.0 (1576)	100.0 (547)	100.0 (2382)	100.0 (2804)	100.0 (5186)

CLASS OF 1990 HOME ECONOMICS STUDENTS

Home Economics classes were selected by 42.6 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 5,312 students who completed one or more courses in the curriculum category of Home Economics.

Thirty-five percent of these Home Economics students were male, and sixty-five percent were female. Of these students surveyed, 79.2 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Child Development, Clothing and Textiles, Consumer Education, Home Management, Family Life and Foods.

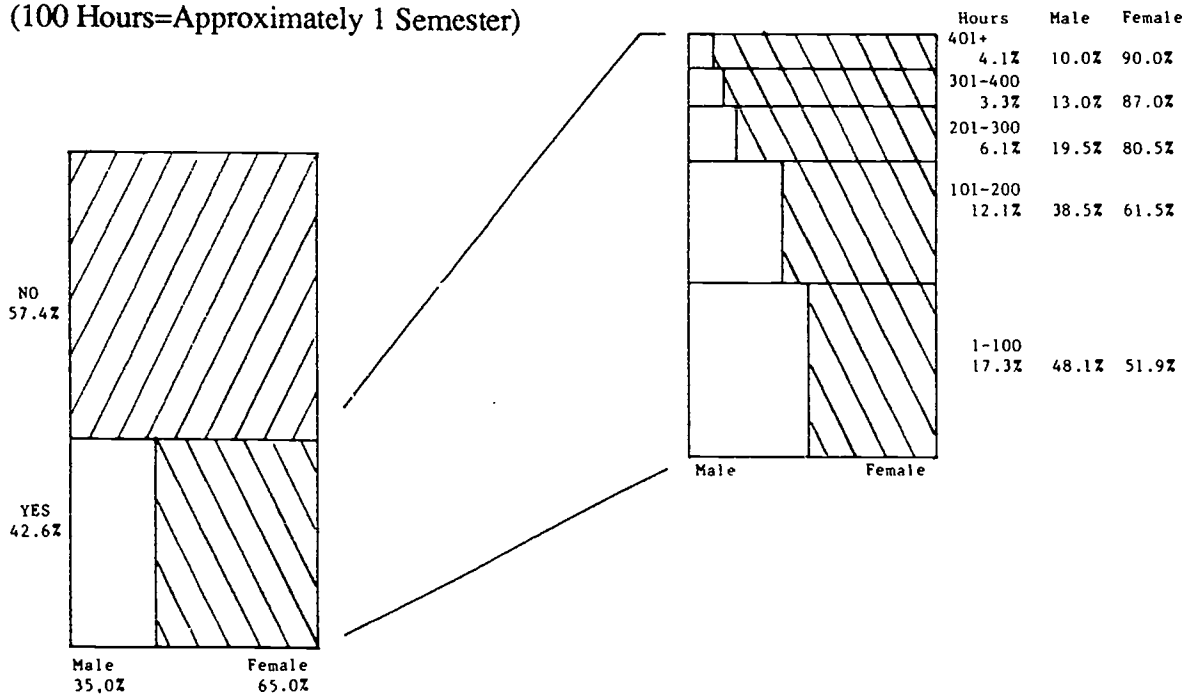
Of the 5,312 Home Economics students, 3,647 had from 1 to 200 hours of courses; 1,155 students had courses totaling 201 to 400 hours; and 510 had 401 or more hours of course work. The total percentage of students who had selected any Home Economics courses increased 2.6 from the Class of 1989 study.

PARTICIPATION IN HOME ECONOMICS

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 HOME ECONOMICS STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	72.4	69.1	70.2	66.2	74.3	71.5
Return Incomplete	7.8	7.7	7.3	8.5	7.3	7.7
No Return Received	19.8	23.2	22.5	25.3	18.4	20.8
Total Assessed	100.0 (3647)	100.0 (1155)	100.0 (510)	100.0 (1857)	100.0 (3455)	100.0 (5312)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	11.3	14.6	15.5	14.3	11.4	12.4
Community College	15.2	15.6	13.7	11.5	17.0	15.2
4-year College or University	39.5	23.5	12.4	29.8	35.5	33.6
Apprenticeship	0.3	0.7	0.3	0.5	0.3	0.4
Other Education	1.4	1.9	2.1	1.4	1.7	1.6
EMPLOYMENT						
Paid Employment	58.7	68.4	72.6	57.8	64.2	62.1
Homemaker	1.3	2.7	4.9	0.2	2.8	2.0
Military	4.6	2.3	2.1	8.7	1.5	3.8
Unemployed	15.4	13.0	10.9	15.5	14.0	14.5
OTHER						
Other Activity	2.4	2.2	1.3	2.0	2.3	2.2
Total Responses	150.2	144.8	135.7	141.6	150.7	147.7
	(4345)	(1273)	(525)	(1941)	(4202)	(6143)
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(2893)	(879)	(387)	(1371)	(2788)	(4159)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	24.5	34.0	45.5	30.5	27.4	28.4
Paid Employment and Vocational School	7.0	9.6	10.1	8.3	7.7	7.9
Paid Employment and Community College	10.3	12.2	10.1	6.7	12.7	10.7
Paid Employment and College or University	15.8	10.5	4.9	10.7	15.2	13.7
Vocational School (only)	2.3	2.9	2.6	3.6	1.9	2.4
Community College (only)	3.0	2.1	2.3	3.3	2.5	2.7
4-year College or University (only)	13.6	7.6	5.5	10.8	12.0	11.6
Education and Seeking Employment	12.1	8.3	5.7	10.9	10.6	10.7
Unemployed (only)	2.2	4.0	3.9	3.2	2.5	2.7
Activities Other Than The Above	9.1	8.8	9.4	12.0	7.7	9.1
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(2886)	(876)	(385)	(1369)	(2778)	(4147)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.3	83.2	75.3	87.3	83.0	84.3
Part-Time	14.7	16.8	24.7	12.7	17.0	15.7
Total Reporting Status	100.0 (1821)	100.0 (458)	100.0 (150)	100.0 (723)	100.0 (1706)	100.0 (2429)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	11.4	8.4	2.8	11.7	9.6	10.2
State Universities	17.2	16.3	6.3	17.0	16.2	16.4
Area Vocational- Technical Institutes	14.7	23.5	30.6	24.1	14.7	17.4
Community College	22.3	25.1	28.5	18.9	24.9	23.2
Private Vocational Schools (including health related)	5.2	10.9	16.7	5.2	7.8	7.0
Private Jr. Colleges Liberal Arts Colleges	12.7	7.0	5.6	10.7	11.3	11.2
Institutions Outside Minnesota	16.3	8.8	9.7	12.3	15.3	14.5
Schools Not Reported	0.2	0.0	0.0	0.1	0.1	0.1
Total Reporting Schools	100.0 (1671)	100.0 (430)	100.0 (144)	100.0 (652)	100.0 (1597)	100.0 (2249)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	45.7	50.8	59.3	58.3	44.0	48.3
Part-Time	54.3	49.2	40.7	41.7	56.0	51.7
Total Reporting Employed Status	100.0 (1649)	100.0 (591)	100.0 (270)	100.0 (765)	100.0 (1745)	100.0 (2510)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	1.3	0.3	0.0	1.6	0.7	0.9
\$3.00 - \$3.99 per hour	2.3	3.4	1.8	0.5	3.3	2.5
\$4.00 - \$4.99 per hour	46.7	49.0	50.3	36.8	51.6	47.6
\$5.00 - \$5.99 per hour	28.4	27.7	27.5	30.0	27.5	28.2
\$6.00 - \$6.99 per hour	11.7	12.2	12.0	15.5	10.5	11.8
\$7.00 per hour or more	9.6	7.5	8.4	15.7	6.5	9.0
Total Reporting Wages	100.0 (1081)	100.0 (386)	100.0 (167)	100.0 (440)	100.0 (1194)	100.0 (1634)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	3.1	1.0	1.9	7.0	0.5	2.5
Mining	0.0	0.2	0.0	0.1	0.0	0.0
Construction	1.7	1.4	0.4	4.5	0.2	1.5
Manufacturing	12.7	8.9	7.9	16.0	9.1	11.2
Transportation, Communications, and Other Public Utilities	2.5	1.9	1.9	3.7	1.7	2.3
Wholesale and Retail Trade	38.2	42.3	42.3	33.6	42.3	39.6
Finance, Insurance, and Real Estate	1.8	2.0	2.6	0.1	2.7	1.9
Business and Repair Services	6.1	5.5	3.7	9.3	4.1	5.7
Personal Services	5.7	7.5	12.4	4.2	8.0	6.9
Entertainment and Recreation Services	6.4	6.7	6.0	8.2	5.6	6.4
Professional and Related Services	18.6	19.6	17.6	9.7	22.7	18.7
Public Administration	0.6	0.9	1.5	0.8	0.8	0.8
Industry Not Reported	2.6	2.2	1.9	2.7	2.3	2.4
Total Reporting Activity	100.0 (1619)	100.0 (586)	100.0 (267)	100.0 (754)	100.0 (1718)	100.0 (2472)

CLASS OF 1990 HOME ECONOMICS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	3.8	2.4	1.1	5.1	2.4	3.2
Technologists and Technicians Includ- ing Health	1.1	1.9	1.1	0.9	1.4	1.3
Marketing and Sales	26.7	29.5	27.6	12.9	33.7	27.5
Clerical	14.6	16.5	14.2	4.7	19.4	15.0
Service	28.7	35.3	40.3	23.8	34.9	31.6
Farming, Forestry, and Fishing	2.7	0.7	1.1	6.2	0.3	2.1
Construction and Extractive	1.9	0.7	0.4	4.4	0.1	1.4
Transportation and Material Moving	2.0	1.4	0.7	5.0	0.3	1.7
Mechanics and Repairers	1.2	0.5	0.7	3.0	0.1	1.0
Production	5.8	5.4	4.9	9.4	3.9	5.6
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	11.6	5.8	7.8	24.5	3.5	9.8
Total Reporting Occupations	100.0 (1614)	100.0 (589)	100.0 (268)	100.0 (743)	100.0 (1728)	100.0 (2471)

CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS

Industrial Arts classes were selected by 34.1 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 4,246 students who completed one or more courses in the curriculum category of Industrial Technology.

76.8 percent of these Industrial Technology students were male, and 23.2 percent were female. Of these students surveyed, 77.7 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Construction, Electricity, Graphic Arts, and Industrial Design.

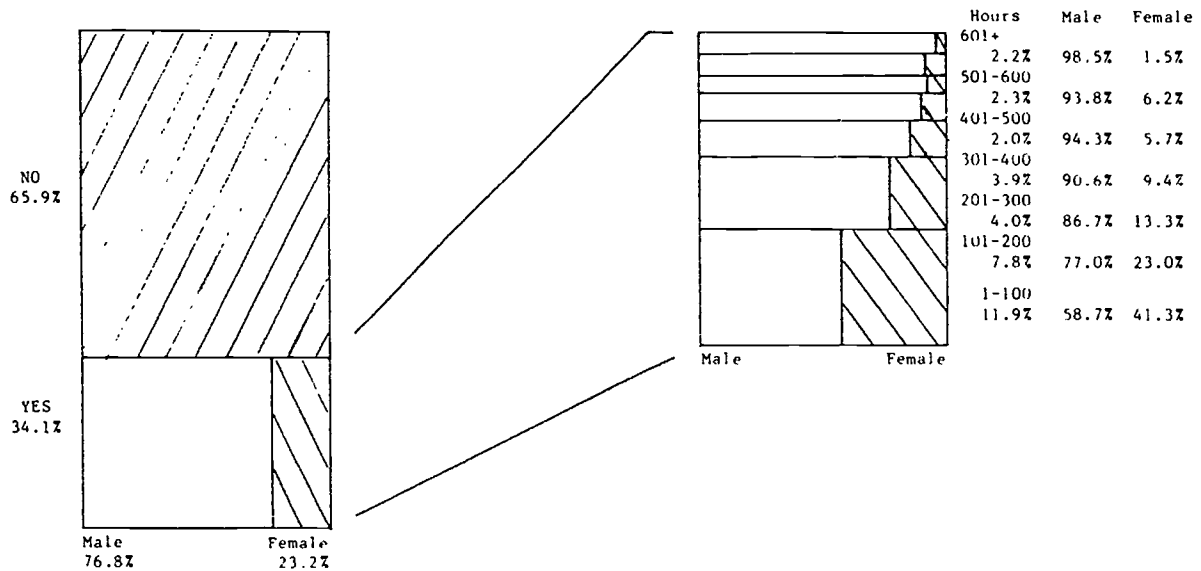
Of the 4,246 Industrial Technology students, 2,450 had from 1 to 200 hours of courses; 989 students had courses totaling 201 to 400 hours; and 807 had 401 or more hours of course work. The total percentage of students who had selected any Industrial Technology courses increased 4.4 from the Class of 1989 study.

PARTICIPATION IN INDUSTRIAL TECHNOLOGY

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	70.6	66.6	66.8	67.5	73.9	69.0
Return Incomplete	8.7	8.5	9.2	9.0	7.8	8.7
No Return Received	20.7	24.9	24.0	23.6	18.3	22.3
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(2450)	(989)	(807)	(3260)	(986)	(4246)

CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	10.6	18.8	26.4	17.0	10.5	15.4
Community College	14.6	13.8	10.5	13.0	15.5	13.6
4-year College or University	38.7	24.0	15.1	27.9	40.5	31.0
Apprenticeship	0.3	0.5	0.5	0.4	0.3	0.4
Other Education	1.5	1.2	1.0	1.3	1.5	1.3
EMPLOYMENT						
Paid Employment	57.8	62.7	68.1	60.8	61.0	60.8
Homemaker	0.8	0.3	0.2	0.0	2.3	0.6
Military	5.7	8.3	10.3	9.2	0.9	7.2
Unemployed	2.5	2.7	8.2	11.6	17.4	13.0
OTHER						
Other Activity	2.0	1.9	0.8	1.8	1.8	1.8
Total Responses	147.5 (2827)	142.1 (1049)	141.2 (860)	143.0 (3526)	151.6 (1210)	145.1 (4736)
Total Reporting Activity	100.0 (1917)	100.0 (738)	100.0 (609)	100.0 (2466)	100.0 (798)	100.0 (3264)

CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	25.7	30.8	34.0	29.2	26.1	28.4
Paid Employment and Vocational School	6.9	11.7	16.9	10.8	7.1	9.9
Paid Employment and Community College	9.8	9.0	6.6	8.6	10.1	9.0
Paid Employment and College or University	14.2	10.1	8.0	10.5	17.2	12.1
Vocational School (only)	1.9	4.8	6.6	4.0	1.6	3.4
Community College (only)	3.1	3.1	3.1	3.2	2.8	3.1
4-year College or University (only)	14.7	9.4	4.4	11.1	13.0	11.6
Education and Seeking Employment	11.7	7.1	5.9	8.4	13.1	9.6
Unemployed (only)	2.5	2.7	2.1	2.2	3.2	2.5
Activities Other Than The Above	9.5	11.4	12.3	11.9	5.8	10.4
Total Reporting Activity	100.0 (1911)	100.0 (736)	100.0 (609)	100.0 (2464)	100.0 (792)	100.0 (3256)

CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	83.8	87.3	87.9	86.7	81.2	85.2
Part-Time	16.2	12.7	12.1	13.3	18.8	14.8
Total Reporting Status	100.0 (1152)	100.0 (394)	100.0 (305)	100.0 (1346)	100.0 (505)	100.0 (1851)

CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	13.2	7.1	6.1	10.8	10.6	10.8
State Universities	19.7	17.8	12.6	17.3	19.9	18.0
Area Vocational- Technical Institutes	14.1	30.1	43.2	26.1	12.4	22.3
Community College	22.2	23.0	17.4	21.0	23.0	21.5
Private Vocational Schools (including health related)	4.3	6.8	9.2	5.6	5.8	5.7
Private Jr. Colleges Liberal Arts Colleges	8.8	4.9	3.1	6.2	9.3	7.0
Institutions Outside Minnesota	17.7	10.4	8.5	13.0	19.0	14.7
Schools Not Reported	0.0	0.0	0.0	0.0	0.0	0.0
Total Reporting Schools	100.0 (1088)	100.0 (366)	100.0 (294)	100.0 (1264)	100.0 (483)	100.0 (1747)

CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	49.6	54.3	59.9	55.5	44.6	52.8
Part-Time	50.4	45.7	40.1	44.5	55.4	47.2
Total Reporting Employed Status	100.0 (1086)	100.0 (457)	100.0 (406)	100.0 (1469)	100.0 (480)	100.0 (1949)

**CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	1.1	0.0	0.0	0.6	0.6	0.6
\$3.00 - \$3.99 per hour	1.4	1.1	0.4	0.5	2.7	1.1
\$4.00 - \$4.99 per hour	45.1	42.1	33.3	36.5	55.6	41.9
\$5.00 - \$5.99 per hour	29.0	29.1	31.0	29.6	29.0	29.4
\$6.00 - \$6.99 per hour	13.9	11.9	20.9	17.4	8.8	15.0
\$7.00 per hour or more	9.6	15.7	14.3	15.4	3.3	12.0
Total Reporting Wages	100.0 (656)	100.0 (261)	100.0 (258)	100.0 (844)	100.0 (331)	100.0 (1175)

**CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	3.7	5.8	8.8	6.8	0.6	5.2
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	2.9	4.2	7.0	5.4	0.2	4.1
Manufacturing	13.2	18.6	19.3	16.7	13.0	15.8
Transportation, Communications, and Other Public Utilities	3.0	5.1	5.3	5.0	1.1	4.0
Wholesale and Retail Trade	37.8	33.9	32.2	34.0	40.8	35.7
Finance, Insurance, and Real Estate	1.1	0.0	0.8	0.4	1.9	0.8
Business and Repair Services	5.9	9.3	10.1	8.5	4.8	7.6
Personal Services	6.7	4.2	3.8	4.9	7.4	5.5
Entertainment and Recreation Services	6.6	6.7	4.5	6.5	5.3	6.2
Professional and Related Services	15.7	9.1	5.0	8.7	21.4	11.9
Public Administration	0.8	0.4	0.5	0.7	0.6	0.7
Industry Not Reported	2.5	2.7	2.8	2.4	2.9	2.6
Total Reporting Activity	100.0 (1059)	100.0 (451)	100.0 (398)	100.0 (1432)	100.0 (476)	100.0 (1908)

CLASS OF 1990 INDUSTRIAL TECHNOLOGY STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.0	3.6	2.0	4.0	1.9	3.5
Technologists and Technicians Includ- ing Health	0.8	1.1	0.3	0.8	0.6	0.8
Marketing and Sales	21.6	16.3	18.4	15.6	32.0	19.7
Clerical	10.6	6.2	3.0	4.3	19.0	8.0
Service	31.4	21.2	17.4	23.0	35.4	26.1
Farming, Forestry, and Fishing	3.5	5.1	8.3	6.4	0.4	4.9
Construction and Extractive	2.6	3.1	5.6	4.4	0.2	3.4
Transportation and Material Moving	2.5	3.3	5.6	4.3	0.4	3.3
Mechanics and Repairers	1.9	5.1	4.5	4.2	0.2	3.2
Production	5.6	10.2	12.4	9.0	5.2	8.1
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	15.6	24.7	22.5	24.0	4.6	19.2
Total Reporting Occupations	100.0 (1060)	100.0 (449)	100.0 (396)	100.0 (1427)	100.0 (478)	100.0 (1905)

CLASS OF 1990 MATHEMATICS STUDENTS

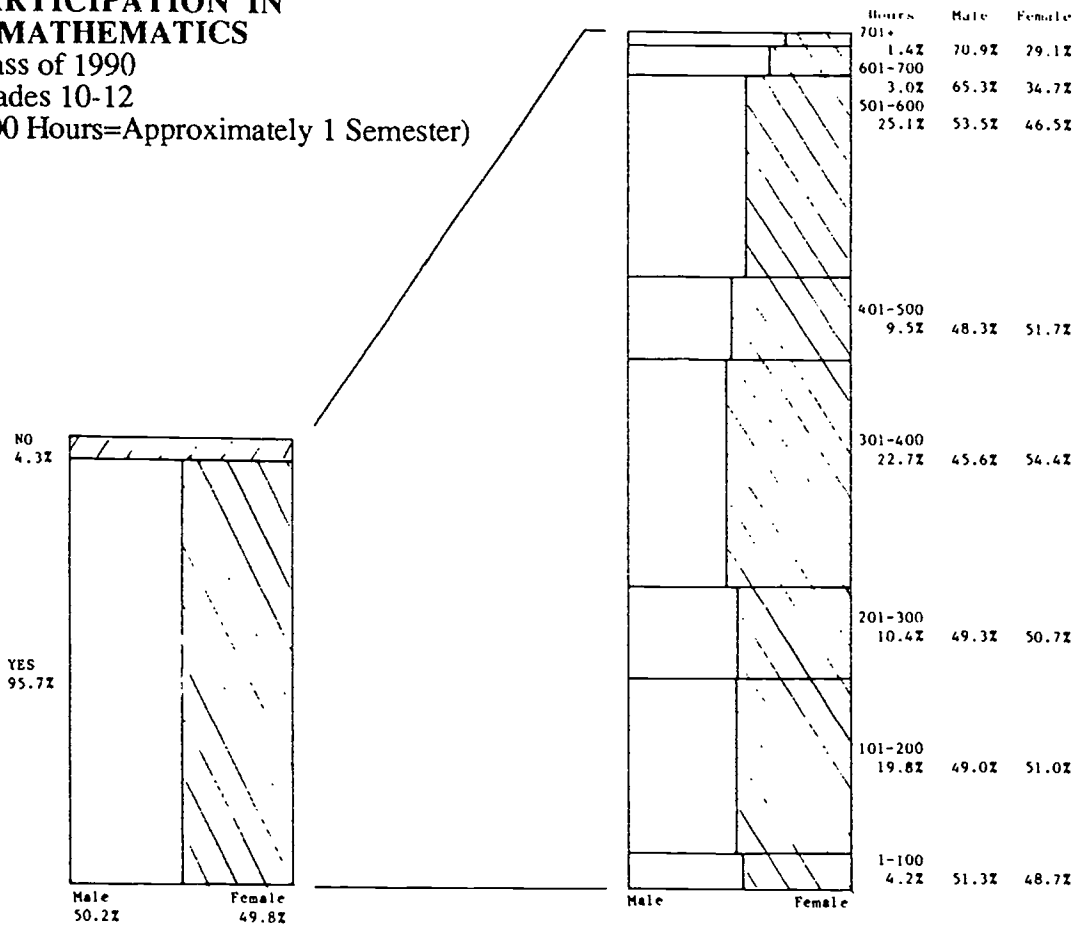
Mathematics classes were selected by 95.7 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 11,922 students who completed one or more courses in the curriculum category of Mathematics.

50.2 percent of these Mathematics students were male, and 49.8 percent were female. Of these students surveyed, 80.9 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: College Algebra, General Mathematics, Geometry, and Trigonometry.

Of the 11,922 Mathematics students, 2,978 had from 1 to 200 hours of courses; 4,109 students had courses totaling 201 to 400 hours; and 4,835 had 401 or more hours of course work. The total percentage of students who had selected any Mathematics courses increased 3.8 from the Class of 1989 study.

PARTICIPATION IN MATHEMATICS

Class of 1990
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1990 MATHEMATICS STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	66.0	72.6	78.8	69.5	77.4	73.4
Return Incomplete	8.6	7.0	7.3	8.3	6.7	7.5
No Return Received	25.5	20.4	13.9	22.2	15.9	19.0
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(2978)	(4109)	(4835)	(5990)	(5932)	(11922)

CLASS OF 1990 MATHEMATICS STUDENTS
PERCENT PRESENT ACTIVITY

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	15.6	11.8	5.0	11.3	8.3	9.7
Community College	14.0	16.1	12.3	12.6	15.3	14.0
4-year College or University	18.2	42.1	67.6	43.9	51.2	47.7
Apprenticeship	0.5	0.2	0.3	0.3	0.3	0.3
Other Education	2.1	1.3	0.8	1.1	1.4	1.2
EMPLOYMENT						
Paid Employment	67.5	59.0	42.6	53.0	57.7	55.4
Homemaker	2.2	1.0	0.5	0.1	2.0	1.1
Military	5.2	4.4	4.1	7.8	1.3	4.5
Unemployed	11.1	13.5	15.0	13.2	13.9	13.6
OTHER						
Other Activity	1.9	2.3	3.1	2.4	2.8	2.6
Total Responses	138.4 (3026)	151.8 (4893)	154.9 (6398)	145.7 (6737)	154.1 (7580)	150.1 (14317)
Total Reporting Activity	100.0 (2186)	100.0 (3224)	100.0 (4131)	100.0 (4623)	100.0 (4918)	100.0 (9541)

CLASS OF 1990 MATHEMATICS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	38.3	21.0	9.2	21.2	18.6	19.8
Paid Employment and Vocational School	10.3	7.5	3.3	7.0	5.7	6.3
Paid Employment and Community College	9.3	11.9	8.9	8.3	11.6	10.0
Paid Employment and College or University	7.4	17.4	24.1	15.1	20.8	18.0
Vocational School (only)	3.3	2.4	1.0	2.7	1.4	2.0
Community College (only)	3.2	2.8	2.2	3.0	2.2	2.6
4-year College or University (only)	6.9	15.8	29.2	19.4	19.8	19.6
Education and Seeking Employment	6.3	10.6	13.6	10.4	11.4	10.9
Unemployed (only)	3.6	2.1	0.7	1.8	1.8	1.8
Activities Other Than The Above	11.3	8.5	7.8	11.0	6.8	8.8
Total Reporting Activity	100.0 (2181)	100.0 (3219)	100.0 (4124)	100.0 (4618)	100.0 (4906)	100.0 (9524)

**CLASS OF 1990 MATHEMATICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	84.6	84.7	89.1	88.1	85.9	86.9
Part-Time	15.4	15.3	10.9	11.9	14.1	13.1
Total Reporting Status	100.0 (1019)	100.0 (2151)	100.0 (3272)	100.0 (2922)	100.0 (3520)	100.0 (6442)

**CLASS OF 1990 MATHEMATICS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	9.9	11.2	18.6	16.1	13.6	14.7
State Universities	8.8	17.8	17.6	17.3	15.4	16.3
Area Vocational- Technical Institutes	29.3	13.9	4.4	14.6	8.8	11.5
Community College	26.5	21.6	13.7	17.0	19.5	18.4
Private Vocational Schools (including health related)	8.9	4.9	2.4	3.4	4.9	4.3
Private Jr. Colleges Liberal Arts Colleges	6.9	12.1	17.7	12.3	15.8	14.2
Institutions Outside Minnesota	9.6	18.4	25.5	19.1	21.9	20.6
Schools Not Reported	0.0	0.0	0.2	0.1	0.1	0.1
Total Reporting Schools	100.0 (950)	100.0 (2017)	100.0 (3078)	100.0 (2732)	100.0 (3314)	100.0 (6046)

**CLASS OF 1989 MATHEMATICS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	59.1	40.9	27.5	47.6	35.6	41.2
Part-Time	40.9	59.1	72.5	52.4	64.4	58.8
Total Reporting Employed Status	100.0 (1436)	100.0 (1872)	100.0 (1858)	100.0 (2386)	100.0 (2780)	100.0 (5166)

**CLASS OF 1990 MATHEMATICS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.7	0.7	0.4	0.6	0.5	0.5
\$3.00 - \$3.99 per hour	1.7	2.4	2.6	0.6	3.5	2.3
\$4.00 - \$4.99 per hour	43.0	48.5	51.8	41.0	53.8	48.5
\$5.00 - \$5.99 per hour	29.6	26.1	24.8	28.2	25.2	26.4
\$6.00 - \$6.99 per hour	13.8	12.5	13.0	15.6	11.2	13.0
\$7.00 per hour or more	11.2	9.9	7.4	14.0	5.8	9.2
Total Reporting Wages	100.0 (858)	100.0 (1218)	100.0 (1396)	100.0 (1451)	100.0 (2021)	100.0 (3472)

**CLASS OF 1990 MATHEMATICS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	4.3	3.3	1.8	5.9	0.6	3.1
Mining	0.0	0.1	0.0	0.0	0.0	0.0
Construction	3.4	1.8	0.9	4.0	0.2	2.0
Manufacturing	13.2	12.1	9.7	14.5	9.0	11.5
Transportation, Communications, and Other Public Utilities	3.3	2.6	2.4	4.1	1.5	2.7
Wholesale and Retail Trade	39.0	36.7	36.9	35.0	39.5	37.4
Finance, Insurance, and Real Estate	1.6	1.7	2.0	0.7	2.7	1.8
Business and Repair Services	6.1	7.0	4.7	7.7	4.3	5.9
Personal Services	5.9	5.8	6.3	4.2	7.6	6.0
Entertainment and Recreation Services	6.5	7.7	6.6	7.9	6.1	6.9
Professional and Related Services	13.3	18.0	24.5	11.5	25.3	19.0
Public Administration	1.1	1.1	1.4	1.5	0.9	1.2
Industry Not Reported	2.2	2.2	2.8	2.7	2.2	2.4
Total Reporting Activity	100.0 (1407)	100.0 (1841)	100.0 (1828)	100.0 (2338)	100.0 (2743)	100.0 (5081)

**CLASS OF 1990 MATHEMATICS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	2.9	4.3	4.0	4.6	3.1	3.8
Technologists and Technicians Includ- ing Health	0.7	1.5	2.2	1.3	1.6	1.5
Marketing and Sales	23.5	26.2	26.4	17.6	32.3	25.6
Clerical	12.3	14.0	16.3	6.4	21.1	14.3
Service	28.3	30.2	31.8	24.6	34.9	30.2
Farming, Forestry, and Fishing	3.1	3.1	2.2	5.7	0.3	2.8
Construction and Extractive	2.6	1.6	1.0	3.5	0.1	1.6
Transportation and Material Moving	2.3	2.0	1.4	3.8	0.2	1.9
Mechanics and Repairers	2.3	1.6	0.7	3.1	0.1	1.5
Production	7.1	5.3	3.3	7.5	3.1	5.1
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	15.0	10.4	10.7	22.0	3.2	11.8
Total Reporting	100.0	100.0	100.0	100.0	100.0	100.0
Occupations	(1400)	(1830)	(1811)	(2306)	(2740)	(5046)

CLASS OF 1990 MUSIC STUDENTS

Music classes were selected by 35.7 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 4,452 students who completed one or more courses in the curriculum category of Music.

35.2 percent of these Music students were male, and 64.8 percent were female. Of these students surveyed, eighty-four percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Band, Choir, Music Literature, and Music Theory.

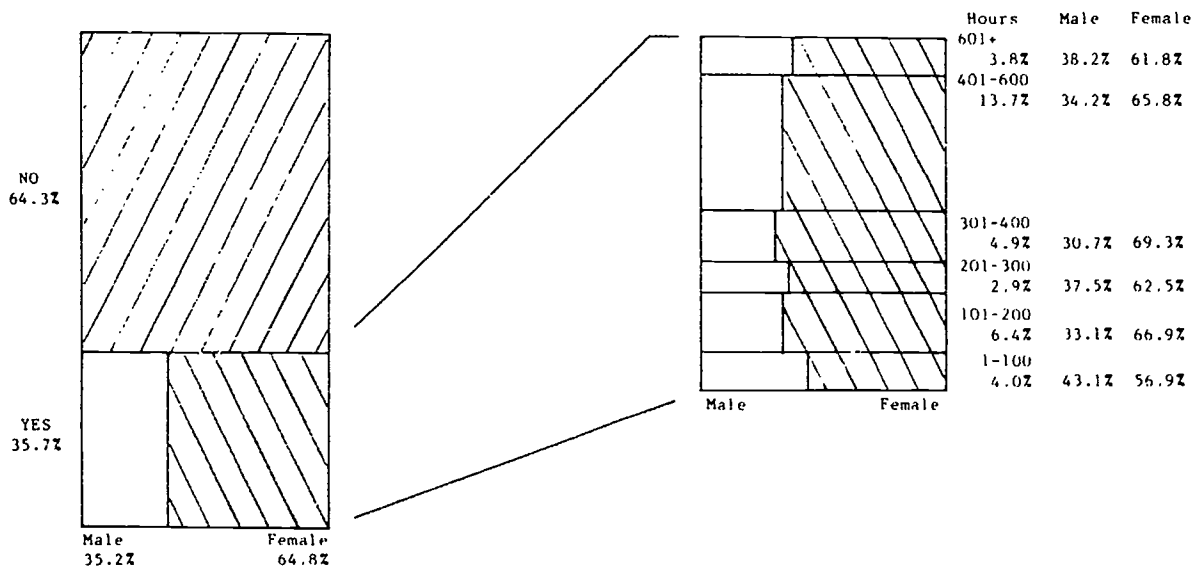
Of the 4,452 Music students, 1,297 had from 1 to 200 hours of courses; 978 students had courses totaling 201 to 400 hours; and 2,177 had 401 or more hours of course work. The total percentage of students who had selected any Music courses increased 3.0 over the Class of 1989 study.

PARTICIPATION IN MUSIC

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 MUSIC STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	72.6	75.6	80.4	72.4	79.6	77.1
Return Incomplete	7.7	7.4	6.2	8.4	6.0	6.9
No Return Received	19.7	17.1	13.4	19.2	14.4	16.1
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(1297)	(978)	(2177)	(1568)	(2884)	(4452)

**CLASS OF 1990 MUSIC STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	9.3	9.5	6.8	9.0	7.6	8.0
Community College	15.0	12.3	12.6	12.4	13.6	13.2
4-year College or University	50.3	51.8	63.5	56.2	57.9	57.3
Apprenticeship	0.2	0.4	0.2	0.2	0.2	0.2
Other Education	1.2	1.9	1.5	1.3	1.6	1.5
EMPLOYMENT						
Paid Employment	53.0	50.5	55.1	48.1	56.3	53.5
Homemaker	1.2	1.8	0.9	0.1	1.7	1.1
Military	3.4	5.1	2.6	7.4	1.3	3.4
Unemployed	12.8	14.9	13.6	12.9	14.0	13.6
OTHER						
Other Activity	2.9	3.5	3.1	2.8	3.3	3.1
Total Responses	149.2 (1544)	151.5 (1212)	159.9 (3006)	150.5 (1907)	157.5 (3855)	155.1 (5762)
Total Reporting Activity	100.0 (1035)	100.0 (800)	100.0 (1880)	100.0 (1267)	100.0 (2448)	100.0 (3715)

**CLASS OF 1990 MUSIC STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	17.5	15.4	11.3	12.4	14.7	13.9
Paid Employment and Vocational School	5.0	6.1	4.8	5.2	5.1	5.2
Paid Employment and Community College	10.6	9.3	9.6	8.2	10.7	9.8
Paid Employment and College or University	19.2	18.8	27.7	21.1	24.6	23.4
Vocational School (only)	2.9	1.9	1.1	2.5	1.4	1.8
Community College (only)	3.1	1.8	1.7	2.9	1.6	2.1
4-year College or University (only)	20.9	21.8	23.3	24.0	21.5	22.3
Education and Seeking Employment	11.0	11.2	12.0	11.3	11.7	11.6
Unemployed (only)	1.4	2.0	1.1	1.3	1.4	1.4
Activities Other Than The Above	8.3	11.8	7.4	11.1	7.3	8.6
Total Reporting Activity	100.0 (172)	100.0 (798)	100.0 (1877)	100.0 (1265)	100.0 (2443)	100.0 (3708)

CLASS OF 1990 MUSIC STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	85.8	89.9	88.0	88.8	87.3	87.8
Part-Time	14.2	10.1	12.0	11.2	12.7	12.2
Total Reporting Status	100.0 (702)	100.0 (564)	100.0 (1510)	100.0 (920)	100.0 (1856)	100.0 (2776)

CLASS OF 1990 MUSIC STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	13.9	16.9	16.0	18.9	14.0	15.6
State Universities	18.4	15.6	14.4	14.8	16.1	15.7
Area Vocational- Technical Institutes	10.2	11.6	6.4	9.6	7.8	8.4
Community College	20.3	15.9	13.9	15.0	16.5	16.0
Private Vocational Schools (including health related)	5.2	3.0	3.0	2.8	4.0	3.6
Private Jr. Colleges Liberal Arts Colleges	12.0	16.3	22.8	16.6	19.8	18.7
Institutions Outside Minnesota	20.0	20.7	23.3	22.2	21.8	21.9
Schools Not Reported	0.0	0.0	0.1	0.1	0.0	0.0
Total Reporting Schools	100.0 (669)	100.0 (527)	100.0 (1406)	100.0 (864)	100.0 (1738)	100.0 (2602)

CLASS OF 1990 MUSIC STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	36.2	32.7	25.3	31.9	28.9	29.8
Part-Time	63.8	67.3	74.7	68.1	71.1	70.2
Total Reporting Employed Status	100.0 (538)	100.0 (395)	100.0 (1013)	100.0 (595)	100.0 (1351)	100.0 (1946)

CLASS OF 1990 MUSIC STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	1.0	0.3	0.4	0.9	0.4	0.5
\$3.00 - \$3.99 per hour	2.3	2.4	3.9	0.9	4.1	3.2
\$4.00 - \$4.99 per hour	53.5	56.8	55.0	46.7	58.3	55.0
\$5.00 - \$5.99 per hour	25.0	22.1	24.5	28.0	22.5	24.1
\$6.00 - \$6.99 per hour	11.8	12.2	10.6	13.8	10.2	11.2
\$7.00 per hour or more	6.5	6.1	5.6	9.6	4.5	5.9
Total Reporting Wages	100.0 (400)	100.0 (294)	100.0 (785)	100.0 (428)	100.0 (1051)	100.0 (1479)

CLASS OF 1990 MUSIC STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	2.1	3.1	1.2	4.9	0.5	1.8
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	0.8	0.3	0.9	1.9	0.2	0.7
Manufacturing	11.1	11.5	8.9	14.5	8.0	10.0
Transportation, Communications, and Other Public Utilities	1.9	1.3	2.1	3.2	1.3	1.9
Wholesale and Retail Trade	39.5	39.0	36.1	34.6	38.9	37.6
Finance, Insurance, and Real Estate	2.7	0.5	1.2	0.5	1.9	1.5
Business and Repair Services	5.2	2.8	4.1	5.8	3.4	4.1
Personal Services	5.9	6.7	7.1	4.4	7.7	6.7
Entertainment and Recreation Services	5.7	6.4	6.3	7.5	5.6	6.2
Professional and Related Services	22.9	23.6	27.7	18.1	28.9	25.6
Public Administration	0.2	1.5	1.9	1.9	1.1	1.4
Industry Not Reported	2.1	3.3	2.6	2.6	2.6	2.6
Total Reporting Activity	100.0 (524)	100.0 (390)	100.0 (1003)	100.0 (586)	100.0 (1331)	100.0 (1917)

CLASS OF 1990 MUSIC STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.4	5.4	4.5	6.6	3.9	4.7
Technologists and Technicians Includ- ing Health	1.1	2.1	2.0	2.1	1.7	1.8
Marketing and Sales	28.9	26.7	28.6	17.6	33.0	28.3
Clerical	16.3	15.4	17.6	9.7	19.9	16.8
Service	32.8	32.6	34.6	29.5	35.5	33.7
Farming, Forestry, and Fishing	1.5	2.1	1.1	4.3	0.2	1.4
Construction and Extractive	1.1	0.8	0.6	2.4	0.1	0.8
Transportation and Material Moving	1.5	0.5	0.8	2.6	0.2	0.9
Mechanics and Repairers	1.0	2.3	0.3	2.9	0.0	0.9
Production	4.2	3.8	2.5	5.5	2.3	3.3
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	7.1	8.5	7.3	16.8	3.4	7.5
Total Reporting Occupations	100.0 (522)	100.0 (390)	100.0 (990)	100.0 (579)	100.0 (1323)	100.0 (1902)

CLASS OF 1990 NATURAL SCIENCE STUDENTS

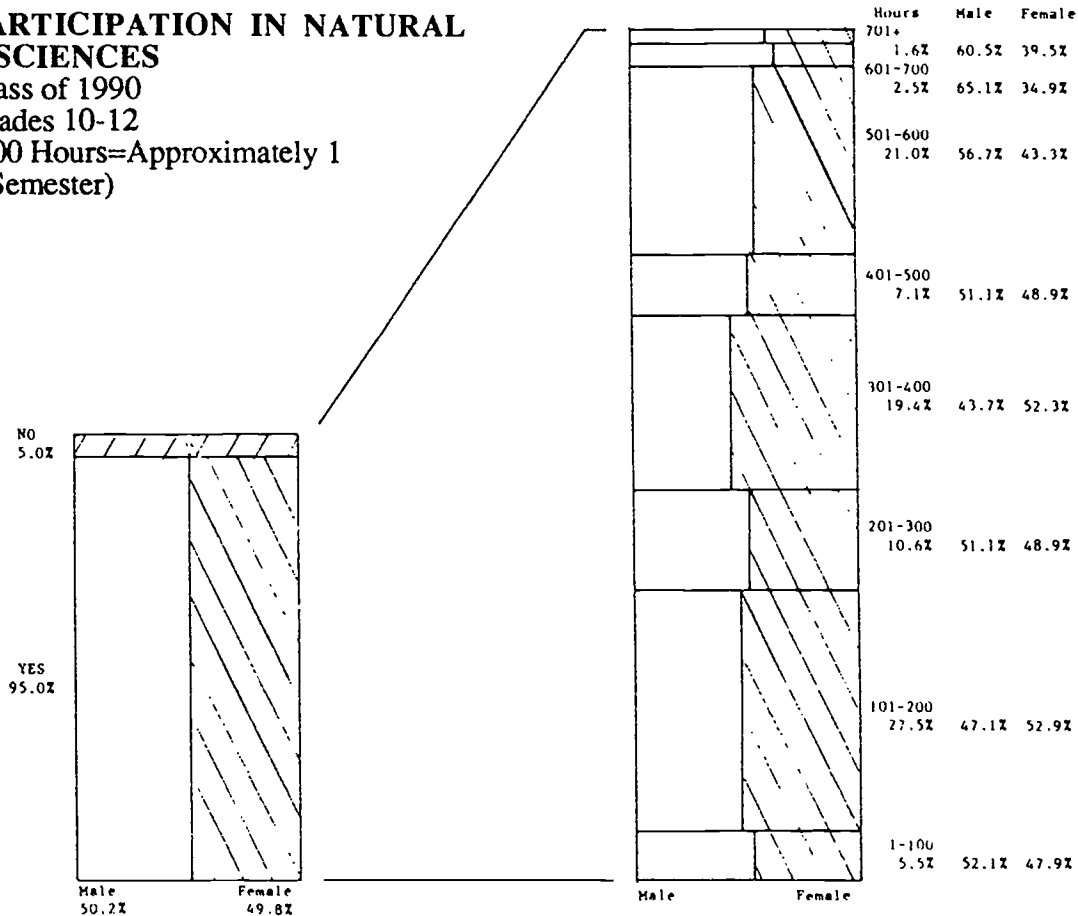
Natural Science classes were selected by **ninety-five percent** of the 12,458 students who participated in the follow-up study. The data reported in this section include the 11,836 students who completed one or more courses in the curriculum category of Natural Science.

50.2 percent of these Natural Science students were male, and 49.8 percent were female. Of these students surveyed, 81.1 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Chemistry, Conservation, General Biology, Geology, and Physics.

Of the 11,836 Natural Science students, 4,083 had from 1 to 200 hours of courses; 3,773 students had courses totaling 201 to 400 hours; and 4,020 had 401 or more hours of course work. The total percentage of students who had selected any Natural Science courses increased 4.6 from the Class of 1989 study.

PARTICIPATION IN NATURAL SCIENCES

Class of 1990
Grades 10-12
(100 Hours=Approximately 1 Semester)



CLASS OF 1990 NATURAL SCIENCE STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	67.8	73.9	79.4	69.6	77.7	73.7
Return Incomplete	8.2	7.0	6.9	8.2	6.6	7.4
No Return Received	24.0	19.1	13.9	22.2	15.7	18.9
Total Assessed	100.0 (4083)	100.0 (3733)	100.0 (4020)	100.0 (5949)	100.0 (5887)	100.0 (11836)

**CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	15.5	10.0	3.6	11.0	8.0	9.4
Community College	15.7	15.9	10.7	12.7	15.1	13.9
4-year College or University	20.3	47.3	72.9	44.2	51.4	47.9
Apprenticeship	0.5	0.2	0.2	0.3	0.3	0.3
Other Education	1.7	1.4	0.7	1.1	1.3	1.2
EMPLOYMENT						
Paid Employment	67.4	56.8	43.8	53.1	57.7	55.5
Homemaker	1.9	1.0	0.3	0.1	1.9	1.0
Military	4.9	4.4	4.1	7.8	1.3	4.5
Unemployed	3.7	13.5	16.3	13.1	14.1	13.6
OTHER						
Other Activity	2.1	2.5	3.0	2.3	2.8	2.6
Total Responses	140.7 (4315)	152.9 (4557)	155.7 (5367)	145.7 (6702)	153.9 (7537)	150.0 (14239)
Total Reporting Activity	100.0 (3067)	100.0 (2981)	100.0 (3447)	100.0 (4599)	100.0 (4896)	100.0 (9495)

**CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	35.4	18.7	7.4	21.2	18.8	20.0
Paid Employment and Vocational School	10.2	6.6	2.3	6.7	5.6	6.2
Paid Employment and Community College	11.0	11.7	7.6	8.4	11.5	10.0
Paid Employment and College or University	9.0	18.4	25.9	15.3	20.7	18.1
Vocational School (only)	3.3	1.7	0.9	2.7	1.3	1.9
Community College (only)	3.4	2.7	1.9	3.1	2.3	2.6
4-year College or University (only)	7.8	18.8	30.8	19.4	19.8	19.6
Education and Seeking Employment	5.9	11.4	15.0	10.4	11.4	10.9
Unemployed (only)	3.7	1.2	0.7	1.7	1.9	1.8
Activities Other Than The Above	10.4	8.6	7.5	10.9	6.8	8.8
Total Reporting Activity	100.0 (3060)	100.0 (2975)	100.0 (3444)	100.0 (4594)	100.0 (4885)	100.0 (9479)

CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	83.2	85.6	90.0	88.1	86.0	87.0
Part-Time	16.8	14.4	10.0	11.9	14.0	13.0
Total Reporting Status	100.0 (1517)	100.0 (2080)	100.0 (2802)	100.0 (2910)	100.0 (3489)	100.0 (6399)

CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	8.5	13.1	19.7	16.3	13.8	14.9
State Universities	13.3	17.3	17.4	17.4	15.5	16.4
Area Vocational- Technical Institutes	25.6	12.1	2.8	14.5	8.5	11.2
Community College	28.0	20.0	11.6	17.0	19.3	18.2
Private Vocational Schools (including health related)	8.3	4.3	1.9	3.3	4.9	4.2
Private Jr. Colleges Liberal Arts Colleges	7.1	13.7	18.6	12.4	15.9	14.3
Institutions Outside Minnesota	9.2	19.4	27.9	19.0	22.1	20.7
Schools Not Reported	0.1	0.1	0.1	0.1	0.1	0.1
Total Reporting Schools	100.0 (1427)	100.0 (1930)	100.0 (2639)	100.0 (2718)	100.0 (3280)	100.0 (5998)

CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	56.1	39.9	22.1	47.2	36.0	41.2
Part-Time	43.9	60.1	77.9	52.8	64.0	58.8
Total Reporting Employed Status	100.0 (2020)	100.0 (1653)	100.0 (1472)	100.0 (2377)	100.0 (2768)	100.0 (5145)

**CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	1.1	0.2	0.1	0.5	0.4	0.5
\$3.00 - \$3.99 per hour	2.0	2.2	2.7	0.6	3.5	2.3
\$4.00 - \$4.99 per hour	44.2	47.9	52.8	40.6	53.5	48.2
\$5.00 - \$5.99 per hour	27.6	28.5	23.8	28.6	25.3	26.7
\$6.00 - \$6.99 per hour	12.3	13.7	12.8	15.4	11.2	12.9
\$7.00 per hour or more	12.7	7.5	7.8	14.3	6.0	9.4
Total Reporting Wages	100.0 (1216)	100.0 (1132)	100.0 (1114)	100.0 (1450)	100.0 (2012)	100.0 (3462)

**CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	3.1	3.1	2.6	5.7	0.6	3.0
Mining	0.0	0.0	0.1	0.0	0.0	0.0
Construction	2.8	1.8	0.9	3.9	0.3	1.9
Manufacturing	13.6	11.8	8.6	14.5	9.1	11.6
Transportation, Communications, and Other Public Utilities	3.6	2.6	1.7	4.1	1.5	2.7
Wholesale and Retail Trade	39.8	38.1	33.4	35.5	39.1	37.4
Finance, Insurance, and Real Estate	2.2	1.8	1.2	0.7	2.7	1.8
Business and Repair Services	7.7	4.9	4.2	7.6	4.3	5.8
Personal Services	5.9	6.4	6.0	4.2	7.6	6.1
Entertainment and Recreation Services	5.9	7.8	7.3	7.9	6.1	6.9
Professional and Related Services	12.6	18.1	28.9	11.7	25.4	19.1
Public Administration	0.9	1.1	1.7	1.5	1.0	1.2
Industry Not Reported	1.9	2.4	3.3	2.6	2.3	2.5
Total Reporting Activity	100.0 (1986)	100.0 (1631)	100.0 (1445)	100.0 (2331)	100.0 (2729)	100.0 (5060)

**CLASS OF 1990 NATURAL SCIENCE STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	4.3	3.9	4.0	5.0	3.4	4.1
Technologists and Technicians Includ- ing Health	0.9	1.2	2.6	1.3	1.6	1.5
Marketing and Sales	25.6	27.4	23.1	17.7	32.0	25.5
Clerical	13.0	15.2	15.7	6.3	21.3	14.5
Service	28.0	29.3	33.4	24.3	34.8	30.0
Farming, Forestry, and Fishing	2.2	2.7	3.0	5.3	0.3	2.6
Construction and Extractive	2.4	1.5	0.6	3.4	0.1	1.6
Transportation and Material Moving	2.2	1.9	1.5	4.0	0.1	1.9
Mechanics and Repairers	2.1	1.0	1.0	3.0	0.1	1.4
Production	6.8	5.0	2.7	7.5	3.0	5.1
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	12.5	10.9	12.4	22.3	3.3	12.0
Total Reporting Occupations	100.0 (1985)	100.0 (1619)	100.0 (1424)	100.0 (2300)	100.0 (2726)	100.0 (5026)

CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS

Office Occupations classes were selected by **28.8 percent** of the 12,458 students who participated in the follow-up study. The data reported in this section include the 3,589 students who completed one or more courses in the curriculum category of Office Occupations.

41.9 percent of these Office Occupations students were male, and 58.1 percent were female. Of these students surveyed, 82.9 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Data Processing, Advanced Accounting, Advanced Typing, Business Technology and Micro Computer Applications.

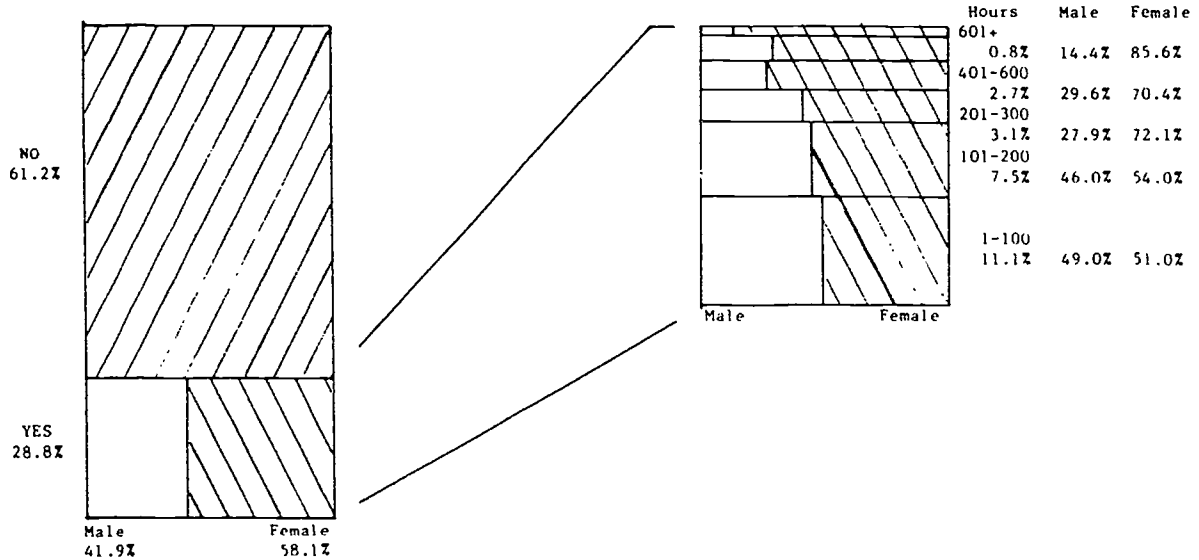
Of the 3,589 Office Occupations students, 2,309 had from 1 to 200 hours of courses; 845 students had courses totaling 201 to 400 hours; and 435 had 401 or more hours of course work. The total percentage of students who had selected any Office Occupations courses decreased 4.9 over the Class of 1989 study.

PARTICIPATION IN OFFICE OCCUPATIONS

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	73.9	74.3	78.9	71.3	77.0	74.6
Return Incomplete	9.3	7.5	5.1	9.6	7.4	8.3
No Return Received	16.8	18.2	16.1	19.1	15.6	17.1
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(2309)	(845)	(435)	(1504)	(2085)	(3589)

**CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	7.8	8.9	17.7	8.6	9.8	9.3
Community College	16.9	21.1	16.8	17.4	18.2	17.9
4-year College or University	49.3	40.6	29.9	46.5	43.7	44.9
Apprenticeship	0.3	0.3	0.8	0.1	0.5	0.3
Other Education	1.4	1.7	2.4	1.2	1.9	1.6
EMPLOYMENT						
Paid Employment	56.2	58.2	59.0	51.6	60.7	57.0
Homemaker	1.1	0.4	2.2	0.1	1.8	1.1
Military	4.7	3.8	1.9	8.1	1.4	4.1
Unemployed	8.5	2.5	12.0	9.1	9.7	9.4
OTHER						
Other Activity	1.9	1.2	1.9	1.2	2.1	1.7
Total Responses	148.0 (2823)	146.7 (1008)	144.6 (532)	143.9 (1744)	149.7 (2619)	147.3 (4363)
Total Reporting Activity	100.0 (1907)	100.0 (687)	100.0 (368)	100.0 (1212)	100.0 (1750)	100.0 (2962)

**CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	17.9	20.8	25.5	17.4	21.0	19.5
Paid Employment and Vocational School	5.2	6.3	12.0	5.7	6.7	6.3
Paid Employment and Community College	13.0	15.6	10.1	12.3	13.9	13.3
Paid Employment and College or University	8.9	14.1	11.1	15.2	18.0	16.8
Vocational School (only)	1.6	1.6	4.3	1.7	2.1	2.0
Community College (only)	2.9	4.4	4.3	4.2	2.9	3.4
4-year College or University (only)	23.9	20.1	13.6	24.4	19.8	21.7
Education and Seeking Employment	6.8	7.4	7.9	7.6	6.8	7.1
Unemployed (only)	1.3	2.5	3.0	1.2	2.1	1.8
Activities Other Than The Above	8.4	7.3	8.2	10.2	6.7	8.1
Total Reporting Activity	100.0 (1901)	100.0 (687)	100.0 (368)	100.0 (1211)	100.0 (1745)	100.0 (2956)

CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	86.9	82.6	80.1	87.0	83.9	85.1
Part-Time	13.1	17.4	19.9	13.0	16.1	14.9
Total Reporting Status	100.0 (1297)	100.0 (459)	100.0 (221)	100.0 (778)	100.0 (1199)	100.0 (1977)

CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	14.7	11.8	10.3	15.5	12.2	13.5
State Universities	13.5	16.9	16.0	17.1	12.9	14.6
Area Vocational- Technical Institutes	9.1	10.4	21.1	10.7	10.8	10.8
Community College	22.0	28.4	20.2	22.1	24.2	23.3
Private Vocational Schools (including health related)	3.4	7.4	11.7	3.1	6.7	5.3
Private Jr. Colleges Liberal Arts Colleges	13.6	8.1	5.6	10.6	12.0	11.4
Institutions Outside Minnesota	23.5	17.1	15.0	20.7	21.3	21.1
Schools Not Reported	0.2	0.0	0.0	0.3	0.0	0.1
Total Reporting Schools	100.0 (1220)	100.0 (433)	100.0 (213)	100.0 (748)	100.0 (1118)	100.0 (1866)

CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	38.4	46.5	49.5	43.1	41.0	41.8
Part-Time	61.6	53.5	50.5	56.9	59.0	58.2
Total Reporting Employed Status	100.0 (1043)	100.0 (398)	100.0 (212)	100.0 (612)	100.0 (1041)	100.0 (1653)

CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.1	0.3	0.7	0.0	0.4	0.3
\$3.00 - \$3.99 per hour	2.2	1.7	0.7	0.3	2.7	1.9
\$4.00 - \$4.99 per hour	47.0	47.3	44.3	39.9	50.0	46.7
\$5.00 - \$5.99 per hour	28.8	30.1	25.5	29.6	28.3	28.7
\$6.00 - \$6.99 per hour	13.5	13.0	20.8	17.3	12.9	14.3
\$7.00 per hour or more	8.4	7.5	8.1	12.9	5.8	8.1
Total Reporting Wages	100.0 (739)	100.0 (292)	100.0 (149)	100.0 (388)	100.0 (792)	100.0 (1180)

CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	1.7	2.1	1.4	3.6	0.7	1.7
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	1.1	0.3	0.5	1.5	0.4	0.8
Manufacturing	10.1	11.2	14.6	11.9	10.3	10.9
Transportation, Communications, and Other Public Utilities	3.0	2.3	1.9	4.4	1.7	2.7
Wholesale and Retail Trade	41.7	42.8	39.9	41.7	41.7	41.7
Finance, Insurance, and Real Estate	1.8	5.0	7.5	0.7	4.8	3.3
Business and Repair Services	5.1	6.5	5.6	7.3	4.5	5.5
Personal Services	6.6	7.0	6.1	5.6	7.2	6.6
Entertainment and Recreation Services	7.0	5.7	4.7	8.3	5.3	6.4
Professional and Related Services	19.4	14.1	15.0	11.2	21.1	17.6
Public Administration	1.3	1.3	1.4	1.7	1.1	1.3
Industry Not Reported	1.5	1.6	1.4	1.9	1.3	1.5
Total Reporting Activity	100.0 (1022)	100.0 (383)	100.0 (213)	100.0 (587)	100.0 (1031)	100.0 (1618)

**CLASS OF 1990 OFFICE OCCUPATIONS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	6.4	2.9	4.3	7.2	4.2	5.3
Technologists and Technicians Includ- ing Health	1.8	0.8	0.5	2.0	1.0	1.4
Marketing and Sales	28.9	29.9	26.3	22.5	32.3	28.8
Clerical	13.9	21.3	31.6	5.8	24.8	17.9
Service	28.8	26.5	28.7	23.0	31.2	28.3
Farming, Forestry, and Fishing	2.1	1.3	1.0	4.3	0.3	1.7
Construction and Extractive	0.9	0.5	0.0	1.7	0.1	0.7
Transportation and Material Moving	2.3	1.3	0.5	4.8	0.1	1.8
Mechanics and Repairers	1.1	0.0	0.5	1.9	0.1	0.7
Production	3.8	3.9	3.3	5.6	2.7	3.8
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	10.3	11.7	3.3	21.2	3.2	9.7
Total Reporting Occupations	100.0 (1022)	100.0 (385)	100.0 (209)	100.0 (586)	100.0 (1031)	100.0 (1617)

CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS

Service Occupations classes were selected by 5.2 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 642 students who completed one or more courses in the curriculum category of Service Occupations.

36.4 percent of these Service Occupations students were male, and 63.6 percent were female. Of these students surveyed, seventy-four percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Child Care, Food Services, Personal Services, and Protective Service.

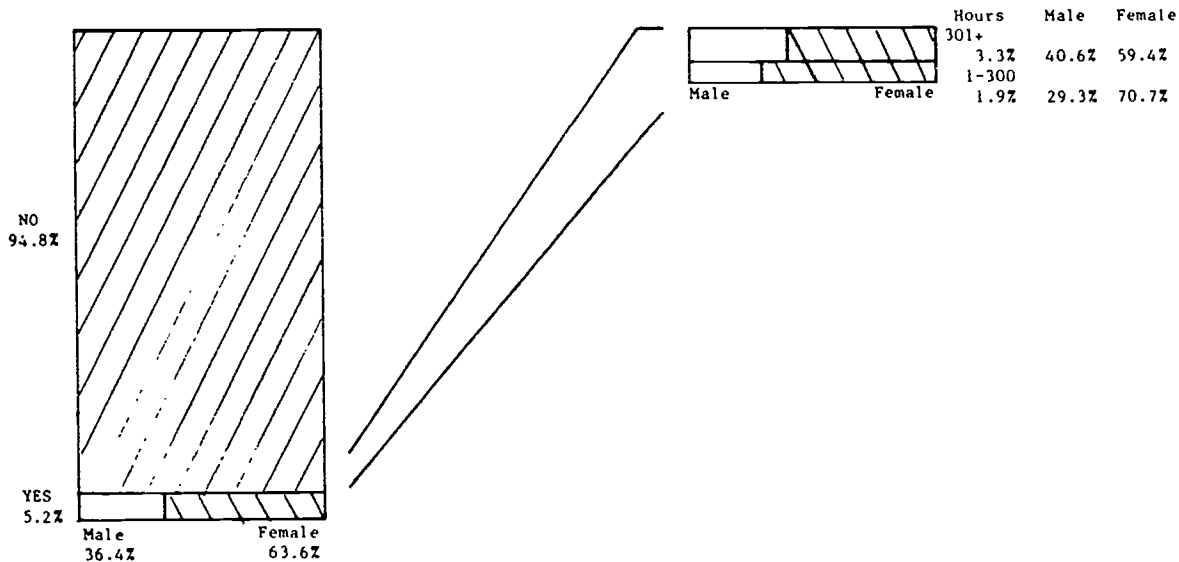
Of the 642 Service Occupations students, 195 had from 1 to 200 hours of courses, 270 students had courses totaling 201 to 400 hours; and 177 had 401 or more hours of course work. The total percentage of students who had selected any Service Occupations courses increased 0.1 over the Class of 1989 study.

PARTICIPATION IN SERVICE OCCUPATIONS

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	59.5	70.7	56.5	59.0	65.9	63.4
Return Incomplete	13.3	7.8	11.9	9.4	11.3	10.6
No Return Received	27.2	21.5	31.6	31.6	22.8	26.0
Total Assessed	100.0 (195)	100.0 (270)	100.0 (177)	100.0 (234)	100.0 (408)	100.0 (642)

**CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	15.8	11.5	26.8	18.8	15.8	16.8
Community College	15.1	14.4	10.6	9.4	15.8	13.6
4-year College or University	29.5	15.4	16.3	13.1	23.2	19.8
Apprenticeship	0.0	1.0	0.0	0.0	0.6	0.4
Other Education	2.2	2.4	0.8	2.5	1.6	1.9
EMPLOYMENT						
Paid Employment	60.4	69.7	72.4	65.6	68.7	67.7
Homemaker	2.2	4.8	0.8	0.0	4.5	3.0
Military	5.0	4.8	1.6	9.4	1.3	4.0
Unemployed	21.6	11.5	10.6	14.4	14.2	14.3
OTHER						
Other Activity	0.7	2.4	2.4	1.9	1.9	1.9
Total Responses	152.5	138.0	142.3	135.0	147.7	143.4
	(212)	(287)	(175)	(216)	(458)	(674)
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(139)	(208)	(123)	(160)	(310)	(470)

**CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	23.7	44.1	35.8	41.5	32.9	35.8
Paid Employment and Vocational School	8.6	7.4	22.0	11.3	11.7	11.6
Paid Employment and Community College	12.2	10.8	4.9	4.4	12.4	9.7
Paid Employment and College or University	14.4	5.4	8.9	5.7	10.7	9.0
Vocational School (only)	1.4	2.5	4.1	3.8	2.0	2.6
Community College (only)	1.4	2.0	4.1	3.8	1.6	2.4
4-year College or University (only)	7.9	4.4	4.1	3.1	6.5	5.4
Education and Seeking Employment	13.7	5.9	5.7	6.9	8.8	8.2
Unemployed (only)	6.5	2.9	4.9	5.7	3.9	4.5
Activities Other Than The Above	10.1	14.7	5.7	13.8	9.4	10.9
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(139)	(204)	(123)	(159)	(307)	(466)

**CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	80.8	89.0	88.1	87.9	85.1	85.8
Part-Time	19.2	11.0	11.9	12.1	14.9	14.2
Total Reporting Status	100.0 (78)	100.0 (82)	100.0 (59)	100.0 (58)	100.0 (161)	100.0 (219)

**CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	11.5	6.3	7.3	8.8	8.3	8.5
State Universities	19.2	13.8	10.9	14.0	15.4	15.0
Area Vocational- Technical Institutes	21.8	21.3	41.8	38.6	22.4	26.8
Community College	23.1	28.8	14.5	12.2	26.9	23.0
Private Vocational Schools (including health related)	5.1	7.5	10.9	8.8	7.1	7.5
Private Jr. Colleges Liberal Arts Collèges	10.3	6.3	3.6	7.0	7.1	7.0
Institutions Outside Minnesota	9.0	16.3	10.9	10.5	12.8	12.2
Schools Not Reported	0.0	0.0	0.0	0.0	0.0	0.0
Total Reporting Schools	100.0 (78)	100.0 (80)	100.0 (55)	100.0 (57)	100.0 (156)	100.0 (213)

**CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	38.1	59.0	58.0	62.7	48.0	53.0
Part-Time	61.9	41.0	42.0	37.3	52.0	47.0
Total Reporting Employed Status	100.0 (84)	100.0 (139)	100.0 (81)	100.0 (102)	100.0 (202)	100.0 (304)

**CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.0	0.0	4.7	0.0	1.6	1.1
\$3.00 - \$3.99 per hour	0.0	1.2	0.0	1.6	0.0	0.5
\$4.00 - \$4.99 per hour	55.4	54.3	48.8	55.7	52.3	53.4
\$5.00 - \$5.99 per hour	18.5	28.4	27.9	23.0	25.8	24.9
\$6.00 - \$6.99 per hour	20.0	8.6	2.3	9.8	11.7	11.1
\$7.00 per hour or more	6.2	7.4	16.3	9.8	8.6	9.0
Total Reporting Wages	100.0 (65)	100.0 (81)	100.0 (43)	100.0 (61)	100.0 (128)	100.0 (189)

**CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	1.2	1.4	6.0	7.7	0.0	2.6
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	1.2	1.4	1.2	3.8	0.0	1.3
Manufacturing	13.4	15.4	12.0	21.2	10.3	14.0
Transportation, Communications, and Other Public Utilities	4.9	2.1	0.0	3.8	1.5	2.3
Wholesale and Retail Trade	28.0	37.1	41.0	33.7	36.8	35.7
Finance, Insurance, and Real Estate	0.0	0.0	1.2	0.0	0.5	0.3
Business and Repair Services	7.3	4.9	12.0	7.7	7.4	7.5
Personal Services	7.3	7.7	8.4	2.9	0.3	7.8
Entertainment and Recreation Services	8.5	2.1	6.0	6.7	3.9	4.9
Professional and Related Services	24.4	23.8	12.0	9.6	26.5	20.8
Public Administration	0.0	0.7	0.0	0.0	0.5	0.3
Industry Not Reported	3.7	3.5	0.0	2.9	2.5	2.6
Total Reporting Activity	100.0 (82)	100.0 (143)	100.0 (83)	100.0 (104)	100.0 (204)	100.0 (308)

CLASS OF 1990 SERVICE OCCUPATIONS STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	6.0	3.5	2.4	7.8	2.0	3.9
Technologists and Technicians Includ- ing Health	2.4	0.7	0.0	0.0	1.5	1.0
Marketing and Sales	29.8	22.7	27.7	11.7	33.2	26.0
Clerical	16.7	14.2	12.0	2.9	20.0	14.3
Service	35.7	34.0	32.5	34.0	34.1	34.1
Farming, Forestry, and Fishing	0.0	1.4	4.8	5.8	0.0	1.9
Construction and Extractive	1.2	2.1	1.2	4.9	0.0	1.6
Transportation and Material Moving	0.0	1.4	1.2	2.9	0.0	1.0
Mechanics and Repairers	0.0	1.4	1.2	1.9	0.5	1.0
Production	1.2	7.8	8.4	6.8	5.9	6.2
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	7.1	10.6	8.4	21.4	2.9	9.1
Total Reporting Occupations	100.0 (84)	100.0 (141)	100.0 (83)	100.0 (103)	100.0 (205)	100.0 (308)

CLASS OF 1990 SOCIAL STUDIES STUDENTS

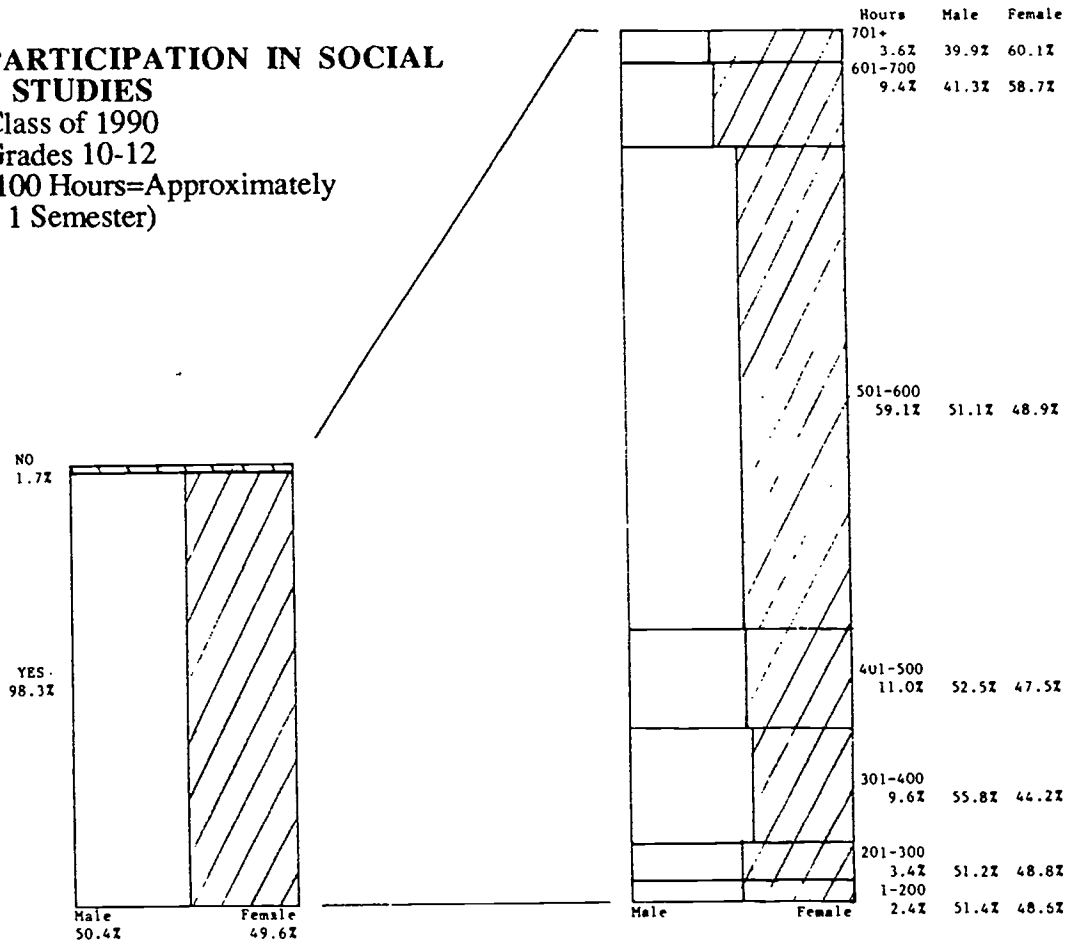
Social Studies classes were selected by **98.3 percent** of the 12,458 students who participated in the follow-up study. The data reported in this section include the 12,244 students who completed one or more courses in the curriculum category of Social Studies.

50.4 percent of these Social Studies students were male, and 49.6 percent were female. Of these students surveyed, 80.6 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: American Government, Economics, General Psychology, and Modern History.

Of the 12,244 Social Studies students, 296 had from 1 to 200 hours of courses; 1,623 students had courses totaling 201 to 400 hours; and 10,325 had 401 or more hours of course work. The total percentage of students who had selected any Social Studies courses increased 3.3 from the Class of 1989 study.

PARTICIPATION IN SOCIAL STUDIES

Class of 1990
Grades 10-12
(100 Hours=Approximately
1 Semester)



CLASS OF 1990 SOCIAL STUDIES STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Return Complete	40.2	62.7	75.8	69.4	77.1	73.2
Return Incomplete	8.4	7.3	7.4	8.2	6.7	7.4
No Return Received	51.4	30.1	16.7	22.4	16.2	19.3
Total Assessed	100.0 (296)	100.0 (1623)	100.0 (10325)	100.0 (6166)	100.0 (6078)	100.0 (12244)

**CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	8.2	14.8	9.2	11.3	8.3	9.8
Community College	7.5	15.0	13.9	12.6	15.2	13.9
4-year College or University	23.1	36.9	48.4	43.1	50.3	46.8
Apprenticeship	1.5	0.5	0.3	0.3	0.3	0.3
Other Education	2.2	1.6	1.2	1.2	1.3	1.3
EMPLOYMENT						
Paid Employment	64.2	58.0	55.4	53.5	58.1	55.8
Homemaker	5.2	1.4	1.0	0.1	2.0	1.1
Military	3.0	4.7	4.6	8.0	1.3	4.5
Unemployed	9.7	8.8	14.0	12.9	13.9	13.4
OTHER						
Other Activity	3.7	4.5	2.3	2.3	2.8	2.6
Total Responses	128.4 (172)	146.2 (1608)	150.3 (12814)	145.3 (6890)	153.5 (7704)	149.5 (14594)
Total Reporting Activity	100.0 (134)	100.0 (1100)	100.0 (8527)	100.0 (4743)	100.0 (5018)	100.0 (9761)

**CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	43.3	23.0	19.9	21.9	19.4	20.6
Paid Employment and Vocational School	6.0	9.0	6.0	7.0	5.8	6.4
Paid Employment and Community College	3.7	10.0	10.0	8.3	11.5	9.9
Paid Employment and College or University	7.5	14.1	18.3	14.8	20.4	17.7
Vocational School (only)	2.2	3.5	1.9	2.8	1.4	2.1
Community College (only)	3.0	3.5	2.5	3.1	2.2	2.6
4-year College or University (only)	11.2	16.8	19.7	19.0	19.4	19.2
Education and Seeking Employment	2.2	5.7	11.5	10.2	11.2	10.8
Unemployed (only)	5.2	2.6	1.6	1.8	1.8	1.8
Activities Other Than The Above	15.7	11.8	8.5	11.2	6.9	8.9
Total Reporting Activity	100.0 (134)	100.0 (1098)	100.0 (8512)	100.0 (4738)	100.0 (5006)	100.0 (9744)

CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	82.7	85.7	87.0	88.0	85.9	86.8
Part-Time	17.3	14.3	13.0	12.0	14.1	13.2
Total Reporting Status	100.0 (52)	100.0 (721)	100.0 (5737)	100.0 (2964)	100.0 (3546)	100.0 (6510)

CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	12.9	11.0	15.1	16.0	13.5	14.6
State Universities	16.1	15.4	16.3	17.2	15.4	16.2
Area Vocational- Technical Institutes	22.6	18.1	10.9	15.1	9.1	11.8
Community College	19.4	21.7	18.0	17.0	19.6	18.4
Private Vocational Schools (including health related)	3.2	5.1	4.2	3.5	5.0	4.3
Private Jr. Colleges Liberal Arts Colleges	0.0	14.7	14.1	12.2	15.6	14.1
Institutions Outside Minnesota	25.8	14.0	21.3	18.9	21.8	20.5
Schools Not Reported	0.0	0.0	0.1	0.1	0.1	0.1
Total Reporting Schools	100.0 (31)	100.0 (681)	100.0 (5392)	100.0 (2770)	100.0 (3338)	100.0 (6108)

CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	70.2	43.8	41.2	48.2	36.7	42.0
Part-Time	29.8	56.2	58.8	51.8	63.3	58.0
Total Reporting Employed Status	100.0 (84)	100.0 (625)	100.0 (4614)	100.0 (2469)	100.0 (2854)	100.0 (5323)

**CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	4.3	0.5	0.5	0.6	0.5	0.5
\$3.00 - \$3.99 per hour	2.2	1.0	2.4	0.6	3.4	2.2
\$4.00 - \$4.99 per hour	32.6	53.5	47.7	40.7	53.6	48.2
\$5.00 - \$5.99 per hour	23.9	24.8	26.8	28.4	25.3	26.6
\$6.00 - \$6.99 per hour	8.7	10.3	13.4	15.3	11.3	13.0
\$7.00 per hour or more	28.3	10.0	9.1	14.4	5.9	9.5
Total Reporting Wages	100.0 (46)	100.0 (419)	100.0 (3093)	100.0 (1495)	100.0 (2063)	100.0 (3558)

**CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	1.7	3.8	2.8	5.7	0.6	2.9
Mining	0.0	0.2	0.0	0.0	0.0	0.0
Construction	1.7	2.3	1.9	4.0	0.2	2.0
Manufacturing	18.3	10.1	11.7	14.5	9.1	11.6
Transportation, Communications, and Other Public Utilities	5.0	3.1	2.6	4.1	1.5	2.7
Wholesale and Retail Trade	35.0	35.1	37.8	35.4	39.2	37.4
Finance, Insurance, and Real Estate	0.0	1.0	1.9	0.7	2.7	1.8
Business and Repair Services	11.7	6.5	5.9	7.9	4.4	6.0
Personal Services	1.7	6.1	6.2	4.3	7.7	6.1
Entertainment and Recreation Services	8.3	4.8	7.0	7.6	6.0	6.8
Professional and Related Services	15.0	18.0	19.2	11.6	25.3	19.0
Public Administration	1.7	1.0	1.2	1.5	0.9	1.2
Industry Not Reported	0.0	7.9	1.8	2.7	2.3	2.5
Total Reporting Activity	100.0 (60)	100.0 (604)	100.0 (4574)	100.0 (2421)	100.0 (2816)	100.0 (5237)

**CLASS OF 1990 SOCIAL STUDIES STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	10.6	5.1	3.8	4.9	3.3	4.0
Technologists and Technicians Includ- ing Health	1.5	1.5	1.4	1.3	1.6	1.5
Marketing and Sales	12.1	22.9	25.8	17.5	32.0	25.3
Clerical	12.1	11.8	14.7	6.3	21.2	14.4
Service	27.3	28.4	30.3	24.3	34.8	30.0
Farming, Forestry, and Fishing	1.5	4.3	2.4	5.4	0.3	2.6
Construction and Extractive	1.5	2.1	1.6	3.5	0.1	1.7
Transportation and Material Moving	4.5	2.2	1.8	3.9	0.2	1.9
Mechanics and Repairers	4.5	2.1	1.4	3.2	0.1	1.5
Production	7.6	6.8	4.9	7.6	3.1	5.2
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	16.7	12.7	11.8	22.3	3.2	12.0
Total Reporting	100.0	100.0	100.0	100.0	100.0	100.0
Occupations	(66)	(584)	(4554)	(2389)	(2815)	(5204)

CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS

Trade and Industrial classes were selected by 14.2 percent of the 12,458 students who participated in the follow-up study. The data reported in this section include the 1,774 students who completed one or more courses in the curriculum category of Trade and Industrial.

Eighty percent of these Trade and Industrial students were male, and twenty percent were female. Of these students surveyed, 74.7 percent responded with a completed, or substantially completed, questionnaire. Courses in this curriculum category include, but are not limited to: Graphics, Machine Shop, Automotive Mechanics, Carpentry, and Drafting.

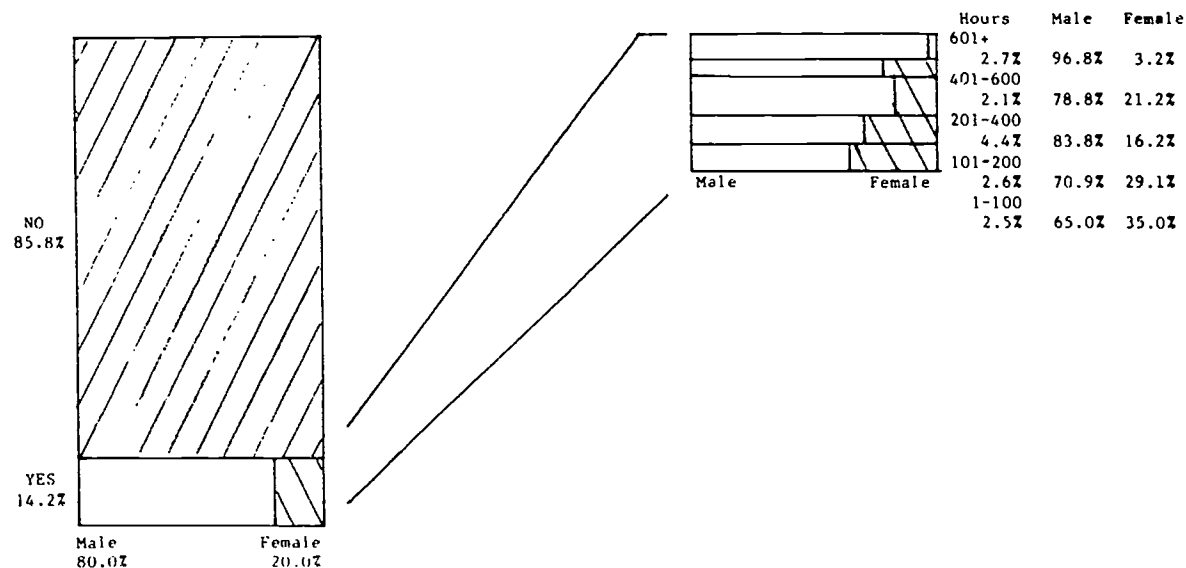
Of the 1,774 Trade and Industrial students, 637 had from 1 to 200 hours of courses; 537 students had courses totaling 201 to 400 hours; and 600 had 401 or more hours of course work. The total percentage of students who had selected any Trade and Industrial courses decreased 7.7 over the Class of 1989 study.

PARTICIPATION IN TRADE AND INDUSTRIAL EDUCATION

Class of 1990

Grades 10-12

(100 Hours=Approximately 1 Semester)



CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS PERCENT QUESTIONNAIRE RESPONSE

Status	1-200	201-400	401 or more	Male	Female	Total
	hours	hours	hours			
Return Complete	66.4	65.5	63.7	63.2	73.4	65.2
Return Incomplete	9.9	11.4	7.3	9.9	7.8	9.5
No Return Received	23.7	23.1	29.0	27.0	18.8	25.3
Total Assessed	100.0	100.0	100.0	100.0	100.0	100.0
	(637)	(537)	(600)	(1417)	(357)	(1774)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT PRESENT ACTIVITY**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
EDUCATIONAL						
Vocational School	10.4	20.6	21.6	18.5	12.6	17.2
Community College	13.5	10.4	9.9	11.7	10.2	11.4
4-year College or University	42.0	19.6	11.7	21.2	39.3	25.1
Apprenticeship	0.2	0.2	0.7	0.4	0.4	0.4
Other Education	1.5	1.0	1.6	1.4	1.1	1.4
EMPLOYMENT						
Paid Employment	54.9	64.2	66.3	60.7	64.6	61.5
Homemaker	1.2	1.5	0.7	0.1	4.9	1.1
Military	9.6	10.9	8.0	11.5	2.1	9.5
Unemployed	13.3	12.6	8.7	11.5	11.9	11.6
OTHER						
Other Activity	1.9	1.5	1.6	1.5	2.1	1.7
Total Responses	148.4	142.4	130.7	138.5	149.1	140.8
	(714)	(588)	(570)	(1447)	(425)	(1872)
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(481)	(413)	(436)	(1045)	(285)	(1330)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT COMBINATIONS OF PRESENT ACTIVITIES**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Paid Employment (only)	20.2	33.4	43.0	33.2	26.3	31.8
Paid Employment and Vocational School	7.3	13.8	11.7	10.6	11.2	10.8
Paid Employment and Community College	10.2	6.5	4.6	7.1	7.7	7.2
Paid Employment and College or University	14.3	8.0	4.8	7.2	16.8	9.3
Vocational School (only)	2.1	3.9	6.7	5.1	0.7	4.1
Community College (only)	2.9	1.5	4.6	3.4	1.8	3.0
4-year College or University (only)	17.0	7.0	3.9	8.2	14.7	9.6
Education and Seeking Employment	11.0	9.0	6.2	9.1	7.7	8.8
Unemployed (only)	1.7	2.7	2.5	2.0	3.2	2.3
Activities Other Than The Above	13.3	14.3	12.0	14.1	9.8	13.2
Total Reporting Activity	100.0	100.0	100.0	100.0	100.0	100.0
	(481)	(413)	(435)	(1044)	(285)	(1329)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS ATTENDING POST-SECONDARY
INSTITUTIONS**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	87.7	87.2	90.4	88.4	88.1	88.3
Part-Time	12.3	12.8	9.6	11.6	11.9	11.7
Total Reporting Status	100.0 (293)	100.0 (196)	100.0 (177)	100.0 (498)	100.0 (168)	100.0 (666)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT POST-SECONDARY INSTITUTIONS ATTENDED BY INDIVIDUALS
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
University of Minnesota (all campuses)	11.6	4.8	9.1	7.1	14.6	9.0
State Universities	15.3	16.1	7.3	12.8	15.2	13.4
Area Vocational- Technical Institutes	13.1	37.6	49.4	35.3	14.6	30.0
Community College	18.2	16.1	14.6	17.7	13.3	16.6
Private Vocational Schools (including health related)	6.3	7.0	3.7	5.0	8.9	6.0
Private Jr. Colleges Liberal Arts Colleges	10.8	3.8	2.4	5.4	9.5	6.5
Institutions Outside Minnesota	24.6	14.5	12.8	16.5	24.1	18.4
Schools Not Reported	0.0	0.0	0.6	0.2	0.0	0.2
Total Reporting Schools	100.0 (268)	100.0 (186)	100.0 (164)	100.0 (462)	100.0 (158)	100.0 (620)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT TIME STATUS FOR INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Full-Time	47.1	63.1	68.4	64.2	44.6	59.9
Part-Time	52.9	36.9	31.6	35.8	55.4	40.1
Total Reporting Employed Status	100.0 (255)	100.0 (260)	100.0 (285)	100.0 (623)	100.0 (177)	100.0 (800)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT WAGES OF INDIVIDUALS EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Below \$3.00 per hour	0.0	0.7	1.3	0.9	0.0	0.7
\$3.00 - \$3.99 per hour	2.7	0.0	1.9	0.9	3.5	1.5
\$4.00 - \$4.99 per hour	40.7	40.7	37.7	36.6	48.7	39.6
\$5.00 - \$5.99 per hour	31.3	28.3	27.7	27.1	34.8	29.1
\$6.00 - \$6.99 per hour	14.7	12.4	16.4	17.4	6.1	14.5
\$7.00 per hour or more	10.7	17.9	15.1	17.1	7.0	14.5
Total Reporting Wages	100.0 (150)	100.0 (145)	100.0 (159)	100.0 (339)	100.0 (115)	100.0 (454)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT INDUSTRIES IN WHICH INDIVIDUALS ARE EMPLOYED AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Agriculture, Forestry and Fisheries	4.6	3.5	6.9	6.0	1.8	5.1
Mining	0.0	0.0	0.0	0.0	0.0	0.0
Construction	3.4	3.9	7.2	6.3	0.0	4.9
Manufacturing	8.8	18.0	18.1	16.7	10.0	15.2
Transportation, Communications, and Other Public Utilities	2.9	5.1	4.7	5.5	0.0	4.3
Wholesale and Retail Trade	37.0	36.5	34.4	35.6	37.1	35.9
Finance, Insurance, and Real Estate	0.8	0.4	0.7	0.3	1.8	0.7
Business and Repair Services	5.5	5.9	10.1	7.7	5.9	7.3
Personal Services	8.8	5.5	3.3	5.5	6.5	5.7
Entertainment and Recreation Services	5.9	5.1	4.0	5.2	4.1	4.9
Professional and Related Services	14.3	10.2	5.1	6.2	21.8	9.6
Public Administration	1.7	1.2	0.4	1.0	1.2	1.0
Industry Not Reported	6.3	4.7	5.1	4.0	10.0	5.3
Total Reporting Activity	100.0 (238)	100.0 (255)	100.0 (276)	100.0 (599)	100.0 (170)	100.0 (769)

**CLASS OF 1990 TRADE AND INDUSTRIAL EDUCATION STUDENTS
PERCENT OCCUPATIONS IN WHICH INDIVIDUALS ARE EMPLOYED
AT PRESENT**

Status	1-200 hours	201-400 hours	401 or more hours	Male	Female	Total
Administrative, Engineering, Scien- tific, Teaching, and Related Occu- pations, Including Creative Artists	7.3	5.6	3.4	6.0	3.0	5.3
Technologists and Technicians Includ- ing Health	0.4	0.0	0.0	0.2	0.0	0.1
Marketing and Sales	21.0	16.7	13.8	12.1	34.5	17.0
Clerical	8.6	5.6	5.2	3.4	17.0	6.4
Service	30.9	22.2	18.7	21.4	31.5	23.6
Farming, Forestry, and Fishing	5.6	3.2	4.9	5.4	1.2	4.5
Construction and Extractive	3.0	4.8	5.2	5.6	0.0	4.4
Transportation and Material Moving	2.6	4.8	3.7	4.6	0.6	3.7
Mechanics and Repairers	0.4	6.0	7.1	5.6	1.2	4.6
Production	7.7	11.5	11.2	11.2	6.7	10.2
Material Handlers, Equipment Cleaners, Laborers, and Miscellaneous Occupations	12.4	19.8	26.9	24.5	4.2	20.1
Total Reporting	100.0	100.0	100.0	100.0	100.0	100.0
Occupations	(233)	(252)	(268)	(588)	(165)	(753)

Chapter 5:

EMPLOYER FOLLOW-UP CLASS OF 1990

One of the components of the system is the Employer Follow-up. It is felt that employers of recent high school leavers can provide school decisionmakers with valuable information for consideration in future program planning and development.

An Employer Follow-up Form was mailed to the employer of any respondent who indicated employment and provided sufficient information to contact the employer. The responses of 926 employers are represented.

	Very Good	Good	Average	Poor	Very Poor
1. Rating of student's <u>technical knowledge</u>	30.7%	46.8%	20.4%	1.3%	0.8%
2. Rating of student's <u>work attitude</u>	47.3%	34.2%	14.4%	3.4%	0.8%
3. Rating of student's <u>work quality</u>	41.6%	38.2%	17.2%	2.2%	0.8%
4. Overall rating of <u>education</u> received by this student as it pertains to the requirements of the job	33.7%	46.1%	18.2%	1.5%	0.4%
5. Rating of student's preparation in relation to other employees doing similar work?		No basis for comparison			13.6%
		Better prepared			40.3%
		Prepared same			40.0%
		Less prepared			6.1%

Student has demonstrated-----	Strongly Agree	Agree	No Opportunity to Observe	Disagree	Strongly Disagree
6. the ability and willingness to learn new skills and concepts	40.0%	52.7%	3.0%	3.9%	0.4%
7. adaptability to changing job situations	33.6%	54.8%	5.9%	5.2%	0.4%
8. the ability to offer constructive dissent in a non-hostile manner	21.3%	50.4%	21.1%	6.5%	0.7%
9. the ability and willingness to follow verbal and written instructions	39.0%	53.1%	3.0%	4.7%	0.2%
10. the ability to keep accurate records	22.5%	45.7%	27.3%	3.3%	1.2%
11. the ability to communicate effectively	30.4%	61.2%	3.3%	4.5%	0.6%
12. successful interpersonal relationships with co-workers and supervisors	37.8%	53.9%	3.2%	4.6%	0.4%

13. an understanding of the rights and responsibilities of employees and employers	27.5%	57.7%	9.2%	4.2%	1.4%
14. appropriate computation skills	27.0%	53.1%	17.2%	2.4%	0.3%
15. Would you consider hiring others from this school?			Yes	98.4%	
			No	1.6%	

APPENDIX A
MINNESOTA SECONDARY SCHOOLS PARTICIPATING
IN THE FOLLOW-UP PROJECT IN 1990

Alexandria
Anoka
Badger
Bemidji
Blue Earth
Burnsville
Caledonia
Carlton
Cedar Mountain
Centennial
Ceylon
Chisholm
Cold Spring
Columbia Heights
Comfrey
Deer River
Dodge Center
Dover -Eyota
Duluth (Central H.S.)
Duluth (Denfield H.S.)
Duluth (East H.S.)
East Grand Forks
Echo-Wood Lake
Eden Valley
Edina
Esko
Evansville
Eveleth
Fairmont
Faribault
Fergus Falls
Fisher
Frazee-Vergas
Hermantown
Houston
Kelliher
Kimball
Lake Park-Audubon
Lakeville
LeCenter
LeRoy-Ostrander
Little Falls
Long Prairie
MacCray
Mahtomedi

Martin County West
McGregor
Medford
Menahga
Mesabi East
Minnetonka
Monticello
Mounds View (Irondale H.S.)
Mounds View (Mounds View H.S.)
Mountain Iron-Buhl
New Prague
New Richmond
New Elm
Nicollet
No. St. Paul (North H.S.)
No. St. Paul (Tartan H.S.)
North Branch
Norwood
Orono
Parkers Prairie
Pierz-Healy
Rochester (John Marshall H.S.)
Rochester (Mayo H.S.)
Sartell
Slayton
So. Washington Cty. (Park H.S.)
So. Washington Cty. (Woodbury H.S.)
St. Louis Cty. (Albrook H.S.)
St. Louis Cty. (Cherry H.S.)
St. Louis Cty. (Cook H.S.)
St. Louis Cty. (Cotton H.S.)
St. Louis Cty. (Orr H.S.)
St. Louis Cty. (Toivola-Meadowlands H.S.)
Stewartville
Twin Valley
Tyler-RTR
Underwood
Virginia
Wabasso
Wadena
Waldorf-Pemberon
Walker-Hackensack-Akeley
Watertown-Mayer
Wells-Easton
Worthington

APPENDIX B
SPECIFIC INDUSTRIES
WITHIN CATEGORIES USED IN REPORTS

AGRICULTURE, FORESTRY, AND FISHERIES

Agricultural Production, Crops
Agricultural Production, Livestock
Agricultural Services Except Horticultural
Horticultural Services

MINING

Metal Mining
Coal Mining
Nonmetallic Mining and Quarrying,
Except Fuel

CONSTRUCTION

MANUFACTURING

Meat Products
Dairy Products
Canned and Preserved Fruits and Vegetables
Grain Mill Products
Bakery Products
Sugar and Confectionery Products
Beverage Industries
Miscellaneous Food Preparations and
Kindred Products
Not Specified Food Industries
Knitting Mills
Dyeing and Finishing Textiles, Not
Wood and Knit
Floor Coverings, Except Hard Surface
Yarn, Thread, and Fabric Mills
Miscellaneous Textile Mill Products
Apparel and Accessories, Except Knit
Miscellaneous Fabricated Textile Products
Pulp, Paper, and Paperboard Mills
Miscellaneous Paper and Pulp Products
Paperboard Containers and Boxes
Newspaper Publishing and Printing
Printing, Publishing and Allied Industries
(Not Papers)
Plastics, Synthetics, and Resins
Drugs
Soaps and Cosmetics
Paints, Varnishes, and Related Products
Agricultural Chemicals
Industrial and Miscellaneous Chemicals
Petroleum Refining
Miscellaneous Petroleum and Coal Products
Tires and Inner Tubes
Other Rubber Products and Plastic
Footwear and Belting
Miscellaneous Plastics Products
Leather Products, Except Footwear
Logging

MANUFACTURING (cont.)

Sawmills, Planing Mills, and Millwork
Wood Buildings and Mobile Homes
Miscellaneous Wood Products
Furniture and Fixtures
Glass and Glass Products
Cement, Concrete, Gypsum, and
Plaster Products
Structural Clay Products
Pottery and Related Products
Miscellaneous Nonmetallic Mineral and
Stone Products
Iron and Steel Foundries
Primary Aluminum Industries
Other Primary Metal Industries
Cutlery, Hand Tools, and Other
Hardware
Fabricated Structural Metal Products
Screw Machine Products
Metal Forgings and Stampings
Miscellaneous Fabricated Metal Products
Not Specified Metal Industries
Engines and Turbines
Farm Machinery and Equipment
Construction and Material Handling Machines
Metalworking Machinery
Electronic Computing Equipment
Machinery, Except Electrical, n.e.c.
Not Specified Machinery
Household Appliances
Radio, TV, and Communication Equipment
Electrical Machinery, Equipment, and
Supplies, n.e.c.
Not Specified Electrical Machinery,
Equipment and Supplies
Motor Vehicles and Motor Vehicle Equipment
Aircraft and Parts
Ship and Boat Building and Repairing
Cycles and Miscellaneous Transportation
Equipment
Scientific and Controlling Instruments
Optical and Health Services Supplies
Photographic Equipment and Supplies
Not Specified Professional Equipment
Toys, Amusement, and Sporting Goods
Miscellaneous Manufacturing Industries
Not Specified Manufacturing Industries

**TRANSPORTATION, COMMUNICATIONS,
OTHER PUBLIC UTILITY**

Railroads
Bus Service and Urban Transit
Trucking Service

TRANSPORTATION, COMMUNICATION**OTHER PUBLIC UTILITY (cont.)**

Warehousing and Storage
 U.S. Postal Service
 Air Transportation
 Pipe Lines, Except Natural Gas
 Services Incidental to Transportation
 Radio and Television Broadcasting
 Telephone
 Telegraph and Misc. Communication Services
 Electric Light and Power
 Gas and Steam Supply Systems
 Electric and Gas, and Other Combinations
 Water Supply and Irrigation
 Sanitary Services
 Not Specified Utilities

WHOLESALE AND RETAIL TRADE

Motor Vehicles and Equipment
 Furniture and Home Furnishings
 Lumber and Construction Materials
 Sporting Goods, Toys, and Hobby Goods
 Electrical Goods
 Hardware, Plumbing and Heating Supplies
 Not Specified Electrical and Hardware
 Products
 Machinery, Equipment, and Supplies
 Miscellaneous Wholesale, Durable Goods
 Paper and Paper Products
 Drugs, Chemicals, and Allied Products
 Apparel, Fabrics, and Notions
 Groceries and Related Products
 Farm-Product Raw Materials
 Petroleum Products
 Alcoholic Beverages
 Farm Supplies
 Miscellaneous Wholesale, Non-Durable
 Goods
 Not Specified Wholesale Trade
 Lumber and Building Material Retailing
 Hardware Stores
 Retail Nurseries and Garden Stores
 Mobile Home Dealers
 Department Stores
 Variety Stores
 Dairy Products Stores
 Retail Bakeries
 Food Stores, n.e.c.
 Motor Vehicle Dealers
 Auto and Home Supply Stores
 Gasoline Service Stations
 Miscellaneous Vehicle Dealers
 Apparel and Accessory Stores, Except Shoe
 Shoe Stores
 Furniture and Home Furnishings Stores
 Household Appliances, TV, and Radio Stores
 Eating and Drinking Places

WHOLESALE AND RETAIL TRADE (cont.)

Drug Stores
 Liquor Stores
 Sporting Goods, Bicycles, and Hobby Stores
 Book and Stationery Stores
 Jewelry Stores
 Sewing, Needlework, and Piece Goods Stores
 Mail Order Houses
 Vending Machine Operators
 Direct Selling Establishments
 Fuel and Ice Dealers
 Retail Florists
 Miscellaneous Retail Stores
 Not Specified Retail Trade

FINANCE, INSURANCE, AND REAL ESTATE

Banking
 Savings and Loan Associations
 Credit Agencies, n.e.c.
 Security, Commodity Brokerage and
 Investment Co.'s
 Insurance
 Real Estate, Including Real Estate Insurance
 Law Offices

BUSINESS AND REPAIR SERVICES

Advertising
 Services to Dwellings and Other Buildings
 Commercial Research, Development, and
 Testing Labs
 Personnel Supply Services
 Business Management and Consulting Services
 Computer and Data Processing Services
 Detective and Protective Services
 Business Services, n.e.c.
 Automotive Services, Except Repair
 Automotive Repair Shops
 Electrical Repair Shops
 Miscellaneous Repair Services

PERSONAL SERVICES

Private Households
 Hotels and Motels
 Lodging Places, Except Hotels and Motels
 Laundry, Cleaning, and Garment Services
 Miscellaneous General Merchandise Stores
 Beauty Shops
 Barber Shops
 Funeral Service and Crematories
 Miscellaneous Personal Services

ENTERTAINMENT AND RECREATIONAL SERVICES

Theaters and Motion Pictures
 Bowling Alleys, Billiard and Pool Parlors
 Miscellaneous Entertainment and Recreation
 Services

PROFESSIONAL AND RELATED SERVICES

Offices of Physicians
Offices of Dentists
Offices of Chiropractors
Offices of Optometrists
Offices of Health Practitioners, n.e.c.
Hospitals
Nursing and Personal Care Facilities
Health Services, n.e.c.
Legal Services
Elementary and Secondary Schools
Colleges and Universities
Business, Trade, and Vocational Schools
Libraries
Educational Services, n.e.c.
Job Training and Vocational Rehabilitation Programs
Child Day Care Services
Residential Care Facilities, Without Nursing
Social Services, n.e.c.
Museums, Art Galleries, and Zoos
Religious Organizations
Membership Organizations
Engineering, Architectural, and Surveying Services

PROFESSIONAL AND RELATED SERVICES

(cont.)

Accounting, Auditing, and Bookkeeping Services
Noncommercial Education and Scientific Research
Miscellaneous Professional and Related Services

PUBLIC ADMINISTRATION

Executive and Legislative Offices
General Government, n.e.c.
Justice, Public Order, and Safety
Public Finance, Taxation and Monetary Policy
Administration of Human Resources Services
Administration of Environmental Quality and Housing Programs
Administration of Economic Programs
National Security and International Affairs

INDUSTRY NOT REPORTED

**APPENDIX C
SPECIFIC OCCUPATIONS
WITHIN CATEGORIES USED IN REPORTS**

**ADMINISTRATIVE, ENGINEERING,
SCIENTIFIC, TEACHING, AND RELATED
OCCUPATIONS, INCLUDING CREATIVE
ARTISTS**

Financial Managers
 Personnel and Labor Relations Managers
 Purchasing Managers
 Managers, Marketing, Advertising,
 Public Relations
 Managers and Administrators, n.e.c.
 Accountants and Auditors
 Personnel, Training, and Labor Relations
 Specialists
 Buyers, Wholesale and Retail, Except
 Farm Products
 Purchasing Agents and Buyers, n.e.c.
 Business and Promotion Agents
 Inspectors and Compliance Officers,
 Except Construction
 Management Related Occupations, n.e.c.
 Architects
 Electrical and Electronic Engineers
 Mechanical Engineers
 Engineers, n.e.c.
 Surveyors and Mapping Scientists
 Computer Systems Analysts and Scientists
 Operations and Systems Research and Analysts
 Chemists Except Biochemists
 Atmosphere and Space Scientists
 Optometrists
 Health Diagnosing Practitioners, n.e.c.
 Registered Nurses
 Pharmacists
 Dieticians
 Occupational Therapists
 Physicians' Assistants
 Physical Education Teachers
 Post-Secondary Teachers, Subject Not Specified
 Teachers, Pre-Kindergarten and Kindergarten
 Teachers, Elementary School
 Teachers, Special Education
 Teachers, n.e.c.
 Counselors, Educational and Vocational
 Librarians
 Social Workers
 Recreation Workers
 Authors
 Technical Writers
 Designers
 Musicians and Composers
 Actors and Directors
 Painters, Sculptors, Craft-Artists and Art
 Printmakers

ADMINISTRATIVE (cont.)

Photographers
 Dancers
 Artists, Performers, and Related Workers,
 n.e.c.
 Editors and Reporters
 Public Relations Specialists
 Announcers
 Athletes

**TECHNOLOGISTS AND TECHNICIANS
INCLUDING HEALTH**

Clinical Laboratory Technologists and
 Technicians
 Health Record Technologists and Technicians
 Licensed Practical Nurses
 Health Technologists and Technicians, n.e.c.
 Electrical and Electronic Technicians
 Mechanical Engineering Technicians
 Drafting Occupations
 Surveying and Mapping Technicians
 Chemical Technicians
 Science Technicians, n.e.c.
 Airplane Pilots and Navigators
 Broadcast Equipment Operators
 Computer Programmers
 Tool Programmers, Numerical Control
 Legal Assistants
 Technicians, n.e.c.

MARKETING AND SALES

Supervisors and Proprietors, Sales Occupations
 Insurance Sales Occupations
 Real Estate Sales Occupations
 Securities and Financial Services Sales Occ.
 Advertising and Related Sales Occupations
 Sales Occupations, Other Business Services
 Sales Reps., Mining, Manufacturing, and
 Wholesale
 Sales Workers, Mot. Vehicles and Boats
 Sales Workers, Apparel
 Sales Workers, Shoes
 Sales Workers, Furniture and Home
 Furnishings
 Sales Workers, Radio, TV, HI-FI, and
 Appliances
 Sales Workers, Hardware and Building
 Supplies
 Sales Workers, Parts
 Sales Workers, Other Commodities
 Sales Counter Clerks
 Cashiers
 Street and Door-To-Door Sales Workers

MARKETING AND SALES (cont.)

News Vendors
 Demonstrators, Promoters and Models, Sales
 Auctioneers
 Sales Support Occupations, n.e.c.

CLERICAL

Supervisors, General Office
 Supervisors, Computer Equipment Operators
 Supervisors, Financial Records Processing
 Supervisors; Distribution, Scheduling, and
 Adjusting Clerks
 Computer Operators
 Peripheral Equipment Operators
 Secretaries
 Stenographers
 Typists
 Interviewers
 Hotel Clerks
 Transportation Ticket and Reservation Agents
 Receptionists
 Information Clerks, n.e.c.
 Correspondence Clerks
 Order Clerks
 Personnel Clerks, Except Payroll and
 Timekeeping
 Library Clerks
 File Clerks
 Records Clerks
 Bookkeepers, Accounting, and Auditing Clerks
 Payroll and Timekeeping Clerks
 Billing Clerks
 Cost and Rate Clerks
 Billing, Posting, and Calc. Machine Operators
 Duplicating Machine Operators
 Mail Prep. and Paper Handling Machine Operators
 Office Machine Operators, n.e.c.
 Telephone Operators
 Communications Equipment Operators, n.e.c.
 Postal Clerks, Except Mail Carriers
 Mail Carriers, Postal Service
 Mail Clerks, Except Postal Service
 Messengers
 Dispatchers
 Production Coordinators
 Traffic, Shipping, and Receiving Clerks
 Stock and Inventory Clerks
 Weighers, Measurers, and Checkers
 Material Recording, Scheduling, & Distributing
 Clerks, n.e.c.
 Insurance Adjusters, Examiners, & Investigators
 General Office Clerks
 Bank Tellers
 Proofreaders
 Data-Entry Keyers
 Statistical Clerks
 Teacher's Aides
 Administrative Support Occupations, n.e.c.

SERVICE

Launderers and Ironers
 Cooks, Private Household
 Housekeepers and Butlers
 Child Care Workers, Private Household
 Cleaners and Servants, Private Household
 Supervisors, Guards
 Firefighting Occupations
 Police and Detectives, Public Service
 Sheriffs, Bailiffs, and Other Law Enforcement
 Officers
 Guards and Police, Except Public Service
 Protective Service Occupations, n.e.c.
 Supervisors, Food Preparation and Service
 Occupations
 Bartenders
 Waiters and Waitresses
 Cooks, Except Short Order
 Short-Order Cooks
 Food Counter, Fountain and Related
 Occupations
 Kitchen Workers, Food Preparation
 Waiters/Waitresses' Assistants
 Miscellaneous Food Preparation Occupations
 Dental Assistants
 Health Aides, Except Nursing
 Nursing Aides, Orderlies, and Attendants
 Supervisors, Cleaning and Building
 Service Workers
 Maids and Housemen
 Janitors and Cleaners
 Supervisors, Personal Service Occupations
 Hairdressers and Cosmetologists
 Attendants, Amusement and Recreation
 Facilities
 Guides
 Ushers
 Public Transportation Attendants
 Baggage Porters and Bellhops
 Child Care Workers, Except Private Household
 Personal Service Occupations, n.e.c.

FARMING, FORESTRY, AND FISHING

Farmers, Except Horticultural
 Horticultural Specialty Farmers
 Managers, Farms, Except Horticultural
 Supervisors, Farm Workers
 Farm Workers
 Marine Life Cultivation Workers
 Nursery Workers
 Supervisors, Related Agricultural Occupations
 Groundskeepers and Gardeners, Except Farm
 Animal Caretakers, Except Farm
 Graders and Sorters, Agricultural Products
 Inspectors, Agricultural Products
 Forestry Workers, Except Logging
 Timber Cutting and Logging
 Occupations

MECHANICS AND REPAIRERS

- Supervisors, Mechanics and Repairers
- Automobile Mechanics
- Automobile Mechanic Apprentices
- Bus, Truck, and Stationary Engine Mechanics
- Small Engine Repairers
- Automobile Body and Related Repairers
- Aircraft Mechanics, Exc. Engine
- Heavy Equipment Mechanics
- Farm Equipment Mechanics
- Industrial Machinery Repairers
- Machinery Maintenance Occupations
- Electronic Repairers, Communications and Industrial Equipment
- Data Processing Equipment Repairers
- Household Appliance and Power Tool Repairers
- Misc. Electrical and Electronic Equipment Repairers
- Locksmiths and Safe Repairers
- Office Machine Repairers
- Specified Mechanics and Repairers, n.e.c.
- Not Specified Mechanics and Repairers

CONSTRUCTION AND EXTRACTIVE

- Supervisors, Electricians and Power Trans. Installers
- Supervisors, Plumbers, Pipefitters, and Steamfitters
- Supervisors, n.e.c.
- Brickmasons and Stonemasons
- Brickmason and Stonemason Apprentices
- Tile Setters, Hard and Soft
- Carpet Installers
- Carpenters
- Carpenter Apprentices
- Drywall Installers
- Electricians
- Electrician Apprentices
- Painters, Construction and Maintenance
- Plasterers
- Plumbers, Pipefitters, and Steamfitters
- Plumbers, Pipefitters, and Steamfitter Apprentices
- Concrete and Terrazzo Finishers
- Glaziers
- Insulation Workers
- Paving, Surfacing, and Tamping Equipment Operators
- Roofers
- Structural Metal Workers
- Drillers, Earth
- Construction Trades, n.e.c.
- Drillers, Oil Well
- Mining Occupations, n.e.c.

PRODUCTION

- Operators
- Supervisors, Production Occupations
- Tool and Die Makers
- Packaging and Filling Machine Operators
- Precision Assemblers, Metal

PRODUCTION (cont.)

- Machinists
- Machinist Apprentices
- Precision Grinders, Fitters, and Tool Sharpeners
- Patternmakers and Model Makers, Metal Lay-Out Workers
- Sheet Metal Workers
- Sheet Metal Worker Apprentices
- Miscellaneous Precision Metal Workers
- Cabinet Makers and Bench Carpenters
- Furniture and Wood Finishers
- Miscellaneous Precision Woodworkers
- Tailors
- Upholsterers
- Miscellaneous Precision Apparel and Fabric Workers
- Patternmakers, Lay-Out Workers and Cutters
- Optical Goods Workers
- Dental Lab and Medical Appliance Technicians
- Bookbinders
- Electrical and Electronic Equipment Assemblers
- Miscellaneous Precision Workers, n.e.c.
- Butchers and Meat Cutters
- Bakers
- Food Batchmakers
- Inspectors, Testers, and Graders
- Miscellaneous, Plant and System Operators
- Lathe and Turning Machine Set-Up Operators
- Milling and Planing Machine Operators
- Punching and Stamping Press Machine Operators
- Drilling and Boring Machine Operators
- Grinding, Abrading, Buffing, and Polishing Operators
- Misc. Metal, Plastic, Stone and Glass Working Operators
- Fabricating Machine Operators, n.e.c.
- Molding and Casting Machine Operators
- Metal Plating Machine Operators
- Heat Treating Equipment Operators
- Misc. Metal and Plastic Process. Operators
- Wood Lathe, Routing, and Planing
- Sawing Machine Operators
- Miscellaneous Woodworking Machine Operators
- Printing Machine Operators
- Photoengravers and Lithographers
- Typesetters and Compositors
- Misc. Printing Machine Operators
- Textile Sewing Machine Operators
- Pressing Machine Operators
- Laundry and Dry Cleaning Machine
- Miscellaneous Textile Machine Operators
- Cement and Gluing Machine Operators\
- Tool and Die Maker Apprentices

PRODUCTION (cont.)

Painting and Paint Spraying Machine Operators
Slicing and Cutting Machine Operators
Photographic Process Machine Operators
Miscellaneous Machine Operators, n.e.c.
Machine Operators, Not Specified
Welders and Cutters
Solderers and Brazers
Assemblers
Hand Cutting And Trimming Occupations
Hand Molding, Casting, and Forming Occupations
Hand Painting, Coating, and Decorating Occupations
Hand Engraving and Printing Occupations
Hand Grinding and Polishing Occupations
Miscellaneous Hand Working Occupations
Production Inspectors, Checkers and Examiners
Production Testers
Production Samplers and Weighers
Graders and Sorters, Except Agricultural

TRANSPORTATION AND MATERIAL MOVING

Truck Drivers, Heavy
Truck Drivers, Light
Driver-Sales Workers
Bus Drivers
Taxi Cab Drivers and Chauffeurs
Parking Lot Attendants
Motor Transportation Occupations, n.e.c.

TRANSPORTATION AND MATERIAL

MOVING (cont.)

Rail Vehicle Operators, n.e.c.
Sailors and Deckhands
Marine Engineers
Excavating and Loading Machine Operators
Grade, Dozer, and Scraper Operators
Industrial Truck and Tractor Equipment Operators
Misc. Material Moving Equipment Operators

MATERIAL HANDLERS, EQUIPMENT CLEANERS, AND MISCELLANEOUS OCCUPATIONS

Homemakers
Supervisors; Handlers, Equip. Cleaners and Laborers, n.e.c.
Helpers, Mechanics and Repairers
Helpers, Construction Trades
Helpers, Surveyor
Helpers, Extractive Occupations
Construction Laborers
Production Helpers
Garbage Collectors
Stock Handlers and Baggers
Freight, Stock, and Material Movers, Hand, n.e.c.
Garage and Service Station Related Occ.
Vehicle Washers and Equipment Cleaners
Hand Packers and Packagers
Laborers, Except Construction

--	--	--	--	--	--

Student District Bldg

BASE DATA CODING FORM

1. Student Name: _____ 2. Phone No. _____
 3. Student Address: _____
 4. Parent's Name: _____ 5. Phone No. _____
 6. Parent's Address: _____
 7. Other Contact (i.e., relative or friend): _____ 8. Phone No. _____

Class ___ ___
 Sex ___
 Local Test
 Percentile ___ ___
 PSAT Percentile ___ ___
 Class Rank ___ ___ ___
 Exit Status ___
 Handicap ___ ___

COMMUNITY-BASED VOCATIONAL PROGRAMS

- ___ Work Experience Disadvantaged
 ___ Work Experience Handicapped
 ___ OJT Cooperative/Internship Education

RACIAL/ETHNIC DECLARATION

- ___ Am. Indian/Alaskan Native
 ___ Asian or Pacific Islander
 ___ Black (not Hispanic origin)
 ___ Hispanic
 ___ White (not Hispanic origin)
 ___ Unspecified

EDUCATIONAL PROGRAMS **Vocational Program Areas in Bold Type/CAPS**
 (Grades 10-12)

- ___ **AGRICULTURE**
 ___ Art
 ___ Business
 ___ **DISTRIBUTIVE/MARKETING EDUCATION**
 ___ English Language Arts
 ___ Foreign Language
 ___ **HEALTH OCCUPATIONS**
 ___ Health, Physical Education, Rec.
 ___ **HOME ECONOMICS**
 ___ Industrial Arts/Technology
 ___ Mathematics
 ___ Music
 ___ Natural Sciences
 ___ **OFFICE OCCUPATIONS**
 ___ **SERVICE OCCUPATIONS**
 ___ Social Science/Studies
 ___ **TRADE AND INDUSTRIAL EDUCATION**
 ___ Other
 VOCATIONAL MAJOR ___ ___

SUB-GROUPS

- | | |
|-------|--------|
| ___ 1 | ___ 6 |
| ___ 2 | ___ 7 |
| ___ 3 | ___ 8 |
| ___ 4 | ___ 9 |
| ___ 5 | ___ 10 |

FILE NUMBER _____

EDIT NEEDS:

Student

District

Bldg

NAME _____ PHONE NO. _____

MAILING ADDRESS _____

CAREER PLANNING SURVEY

PLEASE READ CAREFULLY: This survey asks questions about you and your family, your plans after leaving high school, and your high school classes. Your answers to this survey will only be available to local school personnel. No information will be released which will allow the identification of your individual responses. Your responses will be combined with the responses of your classmates to help evaluate and improve the educational programs at your school. You are not required to provide the information requested. If you do not want to answer a question, just leave it blank. Your answers are voluntary - there is no penalty for not answering any or all questions. By completing the questionnaire, you are giving permission to use this data. If you have any questions, please ask the person who is administering this questionnaire.

POST HIGH SCHOOL PLANS

Please mark the major activities which you plan to be involved in one year after leaving high school. You may respond to both the employment and education sections. Please mark the areas that apply to you.

EDUCATION PLANS

1. Next Spring I will be attending: (Check one answer)

- Vocational/Technical School
 Community College
 4-year College or University
 Apprenticeship Training

- Military Training
 Other Education

No Education Plans For Next Year
 (SKIP TO ITEM NO. 7)

2. I plan to attend school:

- Part-Time Full-Time

3. The school I plan to attend is _____

4. My major area of study will be _____

5. I will need help getting money for my schooling:

- Yes No (SKIP TO ITEM NO. 7)

6. The major source of money for my schooling will come from: (Check only one answer)

- Loans
 Scholarships
 Parents
 Part-Time Employment
 Savings
 Other, Please specify: _____

EMPLOYMENT PLANS

7. Next Spring I plan to be: (Check one answer)

- Employed
 In the Military (Full-Time)
 A Homemaker (Full or Part-Time)
 Unemployed (Looking for Work)
 Other (Vacation, Travel, etc.)
 No Employment Plans

IF EMPLOYED IS NOT CHECKED,
 SKIP TO ITEM NO. 11

8. I plan to work:

- Part-Time Full-Time

9. My job title next spring probably will be: (Example: carpenter, secretary, truck driver, etc.)

10. The type of company I plan to work for is: (Example: construction, manufacturing, grocery store, transportation, etc.)

11. How sure are you about your plans as listed on the previous page: (Check one answer)

Very Sure Fairly Sure A Little Unsure Very Unsure

HIGH SCHOOL PROGRAM

12. The classes I selected in high school primarily prepared me for: (Check only one)

College
 Vocational/Technical School
 Employment
 Military
 Other, Please Specify _____

15. If you could start your high school classes over, what would you prepare for: (Check only one)

College
 Vocational/Technical School
 Employment
 Military
 Other, Please Specify _____

13. The person who most helped me decide which high school classes to take was: (Check only one)

Parent
 Friend
 Counselor
 Teacher
 Principal/Administrator
 I did it myself
 Other, Please specify _____

16. If you answered "no" to item no. 14, please indicate the reason for not being satisfied with your present high school classes: (Check only one)

Classes Not Available
 Schedule Conflicts
 Discouraged by Others
 Classes Too Full
 Personal Goals Changed
 Lack of Time for Electives
 Other, Please Specify _____

14. I am satisfied with my choice of high school classes: (Check only one)

Yes No Undecided

PARENTAL INFORMATION

17-18. Please check the status of your parents/guardians:

	Father	Mother
Living with the Family	<input type="checkbox"/>	<input type="checkbox"/>
Deceased	<input type="checkbox"/>	<input type="checkbox"/>
Separated from the Family	<input type="checkbox"/>	<input type="checkbox"/>

19-20. Please check the highest level of education achieved by your parents/guardians:

	Father	Mother
Some grade school or less	<input type="checkbox"/>	<input type="checkbox"/>
Completed eighth grade	<input type="checkbox"/>	<input type="checkbox"/>
Some high school	<input type="checkbox"/>	<input type="checkbox"/>
High school graduate	<input type="checkbox"/>	<input type="checkbox"/>
Business or trade school	<input type="checkbox"/>	<input type="checkbox"/>
Some college	<input type="checkbox"/>	<input type="checkbox"/>
College graduate	<input type="checkbox"/>	<input type="checkbox"/>
Post-graduate (MA, PhD, Law)	<input type="checkbox"/>	<input type="checkbox"/>

21. What is the occupation of your father?

22. What is the occupation of your mother?

THANK YOU FOR YOUR TIME AND ANSWERS

District			Bldg

Student		

HIGH SCHOOL FOLLOW-UP QUESTIONNAIRE

PLEASE COMPLETE AND RETURN THE FORM BELOW.

1. Name _____ (_____)
Last First Middle Initial Maiden

2. Address _____

_____ Zip _____ Phone (_____)

3. Recent History: For each time period column in the YEAR FOLLOWING HIGH SCHOOL, check (✓) the activities in which you were involved. Check at least one activity for each column. Note that you may respond to both the employment and education sections. Mark as many as apply to you.

Activity	Time Periods After Leaving High School		
	Sept.-Nov. (Fall Quarter)	Dec.-Feb. (Winter Quarter)	Mar.-May (Spring Quarter)
Education (Check all that apply):			
3.1 Vocational School	()	()	()
3.2 Community College	()	()	()
3.3 College or University	()	()	()
3.4 Apprenticeship	()	()	()
3.5 Other Education	()	()	()
Specify _____	()	()	()
Employment (Check all that apply):			
3.6 Paid Employment	()	()	()
3.7 Homemaker Only	()	()	()
3.8 Military (full time)	()	()	()
3.9 Unemployed (looking for work)	()	()	()
Other Activity (For example: ill, vacation, not seeking work, etc.)			
3.10 Specify _____	()	()	()

()
()
()
()
()
()

If you marked here, complete no. 5 below.

If you marked here, complete no. 4 below.

4. Spring Paid Employment Activity
- 4.1 Hours Per Week You Work:
1. Less than 30 ()
2. 30 or more ()
- 4.2 Job Title: _____
- 4.3 Job Duties: _____
- 4.4 Relatedness To Your High School Vocational Training:
My present job is (Mark only One)
1. Closely Related ()
2. Somewhat Related ()
3. Not Related ()
- 4.5 Employer (Company or Business name. If self employed, write "Self.")

- 4.6 Employer's Address _____
_____ Zip _____
- 4.7 Kind of Business (For example: Farming, Shoe Store):

- 4.8 Supervisor's Name: _____
- 4.9 Present Hourly Income: _____

5. Spring Education Activity
- 5.1 Hours Per Week you Attend:
1. 1 to 12 ()
2. 13 to 18 ()
3. 19 or more ()
- 5.2 School Name: _____
- 5.3 School Address: _____
- 5.4 Major Area or Program (For example: Auto Mechanic, Elementary Teaching)

6. Do you plan to graduate/complete this program?
- Yes, within:
- 6.1 1 year ()
- 6.2 2 years ()
- 6.3 3 years ()
- 6.4 4 or more years ()
- No, reason:
- 6.5 Finances ()
- 6.6 Repeat of high school course work ()
- 6.7 Changed goals ()
- 6.8 Other ()
- 6.9 Undecided ()

THANK YOU FOR YOUR HELP!
PLEASE RETURN YOUR COMPLETED
QUESTIONNAIRE IN THE
RETURN MAIL TODAY

Student			District		Bldg

NAME OF FORMER STUDENT _____

EMPLOYER FOLLOW-UP FORM

NOTE: This report is authorized by law (20 USC 2312 and 20 USC 2391). While you are not required to respond to this survey, your cooperation is needed to insure that the results of this effort are comprehensive, reliable and timely. No student identifiers will be forwarded to the Federal government.

THE FEDERAL GOVERNMENT REQUIRES THE FOLLOWING FIVE QUESTIONS BE ASKED:

PREPAREDNESS FOR THE JOB

Please rate the above individual in the following items:

	Very Good	Good	Average	Poor	Very Poor
1. Technical knowledge/skills	---	---	---	---	---
2. Work attitude	---	---	---	---	---
3. Work quality	---	---	---	---	---
	(1)	(2)	(3)	(4)	(5)

OVERALL RATING

4. What is your overall rating of the education received by this individual as it relates to the requirements of his/her job?

	Very Good	Good	Average	Poor	Very Poor
	---	---	---	---	---
	(1)	(2)	(3)	(4)	(5)

RELATIVE PREPARATION

5. How would you rate his/her preparation in relation to other employees doing similar work?

- (1) ___ No basis for comparison
- (2) ___ Individual is better prepared
- (3) ___ Both are about the same
- (4) ___ Individual is less prepared

YOUR RESPONSES TO THE FOLLOWING STATEMENTS ARE USEFUL IN PLANNING SCHOOL IMPROVEMENT:

	Strongly Agree	Agree	No Opportunity To Observe	Disagree	Strongly Disagree
6. an ability and willingness to learn new skills and concepts	---	---	---	---	---
7. adaptability to changing job situations	---	---	---	---	---
8. the ability to offer constructive dissent in a non-hostile manner	---	---	---	---	---
9. the ability and willingness to follow verbal and written instructions	---	---	---	---	---
10. the ability to keep accurate records	---	---	---	---	---
11. the ability to communicate effectively	---	---	---	---	---
12. successful interpersonal relationships with co-workers and supervisors	---	---	---	---	---
13. an understanding of the rights and responsibilities of employees and employers	---	---	---	---	---
14. appropriate computation skills	---	---	---	---	---
	(1)	(2)	(3)	(4)	(5)
15. Would you consider hiring others from this school?	___ Yes	___ No			
	(1)	(2)			

COMMENTS: Feel free to use the back of this form or attach additional sheets.

THANK YOU FOR YOUR HELP