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ABSTRACT

Tables, graphs, and charts are provided in this report on trends in operational planning data in the Wisconsin Vocational, Technical and Adult Education (VTAE) system for the period from 1979-80 to 1988-89. Four operational data sets are analyzed: full-time equivalent (FTE) and headcount enrollments and cost per FTE; VTAE graduates; operational faculty and staff compensation; and district finances. Data are presented for the state as a whole and for each district. In addition, data are provided on new programs, school personnel and salaries, revenue sources, and tuition and fees. Highlighted findings include the following: (1) state VTAE FTE enrollment peaked in 1982-83 at 64,303, followed by declines ranging from 1% to 6.5% in most subsequent years, but an increase of 2.2% in 1988-89; (2) overall, only about 21% of program enrollments were full-time students; (3) 14 of 16 districts had a majority of female enrollments; (4) associate degree graduates represented an increasing proportion of the system's total number of graduates, growing from 38.8% in 1975-76 to 51.1% in 1988-89; and (5) the 113 new degree programs that were introduced between 1980 and 1989 produced 963 graduates in 1988-89. A final section lists several common, but mistaken beliefs about labor market projections, high technology occupations, enrollment management, and fiscal planning and management. (JMC)

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EXECUTIVE SUMMARY

This is the fourth year of a study of operational planning data trends in the VTAE system. This study includes 1988-89 enrollment, graduation, and cost allocation data. The conclusions of the study are shown on page 88.

Four operational data areas have been analyzed in this report: FTE and head-count enrollments and cost/FTE, VTAE graduates, operational faculty and staff compensation, and district finances. Data is presented by state totals and for each district.

FTE Enrollment

State VTAE FTE enrollment peaked in 1982-83 at 64,303, declined 1% to 63,511 in 1983-84, 6.5% to 59,384 in 1984-85, and 2.4% to 57,935 in 1985-86; FTE increased .3% to 58,091 in 1986-87, decreased -2.5% to 56,622 in 1987-88, and increased 2.2% to 57,893 in 1988-89.

FTE enrollments by district are shown in Table 1 and Graph 1 for the years 1979-80 to 1988-89. Some trends are as follows:

1. Milwaukee 21.9% of 1988-89 state VTAE FTEs and Madison 12.8% have maintained about one-third of the state total FTEs over this period.

2. Four (4) districts decreased in enrollment over the nine-year period:

Waukesha	-7.7%
Western	-4.9%
Indianhead	-1.0%
Southwest	-0.4%

3. Eleven (11) districts increased over the nine-year period:

Mid-State	22.4%	Milwaukee	5.6%
Chippewa Valley	20.1%	Gateway	5.6%
Madison	14.9%	North Central	1.5%
Blackhawk	14.4%	Lakeshore	1.0%
Northeast	10.5%	Nicolet	0.9%
Fox Valley	8.6%		

Moraine Park had virtually the same FTE in 1979-80 (2,483) as 1988-89 (2,482). Some Significant changes from 1987-88 to 1988-89 by district are as follows:

1. Fourteen (14) of the 16 districts increased in FTE enrollment from 1987-88 to 1988-89 as follows:

Blackhawk	13.3%	Madison	2.1%
Mid-State	6.6%	North Central	1.6%
Gateway	6.0%	Milwaukee	1.1%
Indianhead	4.6%	Lakeshore	1.1%
Chippewa Valley	3.7%	Western	0.8%
Moraine Park	3.1%	Northeast	0.2%
Fox Valley	2.7%	Waukesha	0.1%

2. Two (2) districts decreased in FTE enrollment from 1987-88 to 1988-89:

Nicolet	-2.4%
Southwest	-0.8%

Full-Time and Part-Time Enrollments

There is great variance by district of the ratio of full-time to part-time program enrollments with Gateway having a ratio of .11 and Chippewa Valley .63, with a state average of .26. Some districts, notably Gateway and Madison, are assigning program codes to many part-time students. In the case of Gateway, it is probably because as many as 8,000 or more GOAL students are counted as program students. Overall, only about 21% of program enrollments in the state are considered full-time students.

Graduates, Full-Time Students, and New Program Enrollments

Highlights of 1988-89 graduates, ratio of graduates/FT, and nonprogram enrollments follow. The range of the ratio of graduates/FT goes from .96 at Southwest to .45 at Nicolet. Fox Valley has the highest percentage of nonprogram enrollments 86.3% and Gateway the lowest 62.4%. GOAL enrollees represent a large majority of Gateway program enrollments.

State FTE and Headcounts by Aid Code for Continuing Education

Highlights of headcount and FTE changes by Continuing Education Aid code are as follows:

1. Headcounts have declined 14.6% while FTEs decreased 21.1% from 1979-80 to 1988-89 in Continuing Education.
2. Government ABE programs are down significantly from 1979-80 to 1988-89:
Code 38 ABE 11,350 to 7,277 headcount.
3. GOAL enrollments increased from 7,303 to 27,248 headcount from 1979-80 to 1988-89. Only some of these enrollments are shown in Table 4 since most GOAL programs are coded 30.
4. General Adult, which includes basic skills training, is up from 70,915 to 89,513 from 1979-80 to 1988-89.
5. Avocational is down from 90,080 to 35,372 from 1979-80 to 1988-89.
6. Vocational-Adult headcounts began and ended the nine-year period with similar counts (242,128 and 254,535) while Community Service enrollments went down significantly (129,621 to 62,969).
7. Occupational Adult, a category which was not used in 1979-80, had a 162,391 headcount in 1988-89 which represented 37.2% of the total unduplicated headcount of 436,942.

Enrollment by Sex, Ethnic Origin, Handicapped, and Disadvantaged by District

1. Fourteen (14) of 16 districts have a majority of women students. Nicolet with 62.5% female had the highest percentage in 1988-89. Fox Valley with 44.9% female had the lowest.
2. Milwaukee (13,682 minority students) had 50% of the minority enrollment of 27,326 in 1988-89. A total of 23.5% of MATC-Milwaukee headcount enrollment was minority, including 9,707 blacks which represented 70% of black enrollment in the state.
3. Indianhead had the highest number of American Indian students with 611 in 1988-89.
4. With the exception of Gateway with 12.1%, North Central with 5.5%, and Milwaukee with 23.5% minority, all other districts had 4.0% or less minority enrollment.
5. A total of 1.8% of State VTAE enrollment is indicated as Handicapped, 1.1% as Limited English Proficient, and 14.4% as Disadvantaged.

State FTE and Headcount by Aid Code

Significant differences in headcount and FTE enrollments are:

1. College Parallel enrollments represented only 1.7% of headcount enrollments in 1979-80 and 1988-89, and 3.4% and 4.9% of FTEs the same years.
2. Associate Degree headcounts represent a relatively small percentage of headcount enrollment (14.3% in 1979-80 and 17.7% in 1988-89) but a majority of FTEs (46.3% and 53.7%).
3. Vocational headcount enrollments account for about twice the FTE enrollment (27.8% in 1988-89) as headcount (15.2%).
4. Vocational-Adult enrollments are increasing and represented 52.3% of headcount enrollment in 1988-89 while accounting for only 11.7% of FTEs. More than one-half of these enrollments are in code 47 (occupational adult) 162,381 out of 251,304 in 1988-89.
5. Community Service enrollments are declining and represent only 1.9% of FTEs and 13.1% of headcount enrollments in 1988-89.

Goal, ABE, ESL, and Basic Skills Enrollments

The GOAL program enrolled more students in 1988-89 (27,248) than any other program (Accounting is number 2 in enrollment 5,983). GOAL, ABE, Basic Skills, and ESL had a duplicated headcount of 55,089 and total state FTE of 5,409.79 (9.3% of all FTEs in the state in 1988-89).

Gateway had a 30-850-3 GOAL headcount enrollment in 1988-89 of 8,437 with 785 FTEs which represents 18% of Gateway's total FTE of 4,277. Gateway's total headcount in GOAL and ABE (8,628) is larger than Milwaukee's total (6,177). Milwaukee had the highest FTE (1,022) with Gateway second (793).

Adult High School or High School Courses

Milwaukee is the only district that has an Adult High School (State Code 34). Other districts offer high school courses that may be used as credits toward graduation from high schools. Significant changes in enrollment have taken place from 1979-80 to 1988-89 in these enrollments.

High School Course Enrollments				

	1979-80		1988-89	
	Hdct	FTE	Hdct	FTE

Milwaukee	6,688	577.56	3,840	902.19
Other 15 Districts	3,411	133.10	934	78.52

TOTAL	10,099	710.66	4,774	980.71

From 1979-80 to 1988-89:

- Milwaukee headcount has decreased (2,848 or -4.3%).
- Milwaukee FTE has increased (324 or +56%).
- Other 15 districts' headcount decreased (2,477 or -73%).
- Other 15 districts' FTE decreased (54 or -41%).

FTE and Costs by State Code 1979-80 to 1988-89

Some trends in Operational Costs and Cost/FTE by Aid Category for all districts from 1979-80 to 1988-89 are as follows:

1. The percentage of Associate Degree enrollments has increased from 46% of total FTE (25,276 out of 54,550) in 1979-80 to 54% (31,174 out of 57,893) in 1988-89.
2. College Parallel and Associate Degree enrollments have increased 50% and 23% respectively while Vocational, Vocational-Adult, and Community Services have decreased 8%, 4%, and 62% respectively. Total FTE enrollment increased 6% over the nine-year period.
3. Costs per FTE have increased more rapidly for College Parallel (118%), Associate Degree (110%), and Vocational (96%) than for Vocational-Adult (47%) while Community Services costs increased slightly (6%). Overall costs per FTE increased 91%.

FTE and Costs by Instructional Division 1979-80 to 1988-89

Some trends indicated during this nine-year period are as follows:

1. General Education generated more FTEs 22,085 in 1988-89 (38% of total) than any other division. Business with 15,134 in 1988-89 produced 26% of total FTEs and is second highest. General Education and Business FTEs have increased 23% and 16% respectively from 1979-80 to 1988-89.

2. The Technical division FTEs had the highest percentage increase (42%) Television excepted. Technical FTEs increased from 2,245 in 1979-80 to 3,191 in 1988-89.
3. Four divisions decreased in FTE from 1979-80 to 1988-89: Agriculture 20%, Graphics 16%, Home Economics 23%, and Industrial 32%.
4. Direct Instructional Costs for the Technical division increased 171% as compared to total instructional costs of 130% for all divisions.
5. Costs (130%) and Cost/FTE (117%) increased at a faster rate than FTEs over the nine-year period from 1979-80 to 1988-89. FTEs have increased 6% to 1988-89.

Graduates 1975-76 to 1988-89

Some trends are as follows:

1. The number of graduates has increased in seven years and decreased in six years over the thirteen-year period. The largest percentage change was a 12% increase in 1978-79 and 1980-81. The largest decrease was 10.7% in 1984-85. This also represents the largest change in numbers from 16,622 graduates in 1983-84 to 14,844 in 1984-85 (-1,778).
2. The proportion of graduates by aid category to total has been changing from 1975-76 to 1988-89.
 - a. Associate Degree increased from 38.8% (4,373) of total graduates to 51.1% (6,952).
 - b. Two-year and one-year diploma decreased from 6.0% (676) to 4.8% (658) and 4.0% (4,847) to 26.4% (3,600), respectively.
 - c. Short-term graduates increased from 12.2% (1,376) to 17.7% (2,408) of total in 1988-89, but peaked in 1981-82 at 17.8% (2,763) of total.

Highlights of programs with more than 100 graduates per year are as follows:

1. The 39 programs with 100 or more graduates at any time over the 13-year period represent 13% of the 289 degree, diploma, or certificate programs with graduates in 1988-89. These 39 programs contributed 64% of the total 13,618 graduates in 1988-89. The 39 programs had more than 60% of the total graduates in most years since 1974-75.
2. The Business Division produces more graduates from programs with more than 100 graduates than any other division (3,106 in 1988-89).
3. The Nursing Assistant program produces more graduates than any other individual program, 1,350 in 1988-89. This one program produced more graduates in 1988-89 than the 113 new programs started since 1980 in the VTAE System (963 graduates).

TOP TEN PROGRAMS STATEWIDE AND BY DISTRICT BY NUMBER OF GRADUATES IN 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
STATEWIDE					
1	30-510-1 Nursing Assistant	1,350	9.3%	272	0.5%
2	10-101-1 Accounting	796	14.7%	2,747	5.2%
3	10-510-1 Nursing	634	19.1%	2,057	8.8%
4	10-104-3 Marketing	454	22.3%	1,669	11.7%
5	10-504-1 Police Science	347	24.7%	1,359	14.0%
6	10-107-1 Data Processing	334	27.0%	1,319	16.3%
7	30-090-1 Farm Training	278	28.9%	205	16.6%
8	10-605-1 Electronics	267	30.7%	858	18.1%
9	10-106-2 Adm Asst-Secretarial	247	32.4%	958	19.8%
10	31-509-1 Medical Assistant	224	33.9%	317	20.3%
	TOTAL	4,940	14,556 Total State Graduates	11,761 *	57,893 Total Program State FTE*

Top 10 include:

- 2 Short Term (30)
- 1 1-Year Diploma (31)
- 7 Associate Degree (10)
- New programs in state since 1980 = 0

*NOTE: FTE by program includes all courses that are part of the program, both occupational and general education. Program FTEs are used in all district tables that follow.

There are 338 programs in the state that have at least one graduate. Ten (3%) of programs in state VTAE produce 33.9% of graduates and 20.3% of FTEs.

New Programs Since 1980 to 1989

The 113 new degree and diploma programs from 1980 to 1989 produced 963 graduates or about 7% of the 13,618 degree and diploma graduates in 1988-89 (does not include apprentice, college parallel, and JTPA). New apprentice programs produced 264 graduates. Most apprentice programs were started before 1980 but did not receive state approval until after 1980.

The top ten new (since 1980) degree, diploma, or certificate programs in respect to graduates in 1988-89 are:

Rank	Program	District	Year Approved	Graduates Statewide
1	31-101-2 Microcomputer Acctg Specialist	(4 Districts)	1985	93
2	31-107-3 Office Computer Specialist	(Western)	1982	58
3	31-106-8 Information Processing Specialist	(North Central)	1985	43
4	30-404-9 Parts Specialist	(4 Districts)	1980	38
5	10-503-2 Fire Protection Technology	(2 Districts)	1980	34
6	10-107-5 Microcomputer Application Analyst	(2 Districts)	1985	33
7	31-421-2 Mechanical and Computer Drafting	(4 Districts)	1985	33
8	30-001-5 Basic Horticulture	(Madison)	1984	27
9	31-107-6 Computer Operator	(Fox Valley)	1985	25
10	10-605-8 Electronics - Telecommunications	(3 Districts)	1984	23

Operational Staff and Average Compensation

1. Milwaukee had the highest average compensation, including benefits, from 1979-80 to 1984-85 but was surpassed by Madison from 1985-86 to 1988-89. Other districts changed greatly over the nine-year period in rank of compensation; for example, decreasing were Gateway 4 to 13 and Blackhawk 8 to 16; increasing were Fox Valley 14 to 4 and Waukesha 11 to 3.
2. Waukesha had the highest average increase in compensation \$22,329 (109%) and Blackhawk had the smallest increase \$11,941 (58%) from 1979-80 to 1988-89.
3. Because of great variation by district in distribution of employees by category, only total operational staff data was used.

Table 14 shows 1988-89 faculty compensation in rank order from highest to lowest. The range is from Milwaukee \$50,597 (includes salary and fringe benefits) to Western \$39,063.

Finances - Operational and Debt Service Mill Rates, Tax Levy, Valuation, State Aid, and Cost/FTE

Tables 15 and 16 show mill rates and tax levies by district for 1979-80 and 1989-90, respectively. Some highlights are as follows:

1. Southwest, which had the highest total mill rate in 1989-90 at 1.932 was fifth in 1979-80 at 1.263.
2. Milwaukee had the highest total mill rate from 1979-80 to 1984-85 but dropped to number 2 in 1985-86, to number 4 in 1986-87, and to number 5 in 1989-90. Milwaukee had the highest mill rate for years prior to 1979-80.
3. Blackhawk had the largest increase in total mill rate .857 (88%) from 1979-80 to 1989-90.

4. Madison had the smallest increase in mill rate .263 (21%).
5. Northeast had the lowest total mill rate in 1989-90 (1.436) and Waukesha had the lowest operational mill rate of 1.37016.

Table 17 shows changes in valuation by district from 1979-80 to 1989-90. While all districts except Southwest show increases in valuation from 1979-80 to 1989-90, a majority of districts (12) decreased in valuation from 1985-86 to 1986-87. Some highlights of changes in valuation from 1979 to 1989 are as follows:

1. Waukesha had the highest percentage increase, 63.05%.
2. Southwest decreased 7.82%.
3. Milwaukee had the largest dollar value increase in valuation \$6,899,128,540 (33.91%) followed by Madison \$4,868,686,954 (44.75%).

Table 18 shows the changes in valuation between 1988-89 and 1989-90 (TID OUT) with the statewide total increasing 5.16%.

1. Waukesha had the largest percentage increase 9.1% (\$1,024,833,219).
2. Milwaukee had the largest dollar increase \$1,709,064,519 (6.69%).
3. All districts increased for the first time since this study was started four years ago.

Table 19 shows the Cost/FTE by District for 1987-88 and 1988-89.

1. Nicolet and Waukesha had the highest cost/FTE in both years.
2. In 1988-89, six districts were above the state average cost/FTE, \$6,271 (Nicolet, Waukesha, Southwest, North Central, Moraine Park, and Fox Valley) and ten districts were at or below (Blackhawk, Lakeshore, Milwaukee, Indianhead, Gateway, Mid-State, Chippewa Valley, Northeast, Madison, and Western).

Table 19A shows District Costs, Indirect Costs, and Total Cost/FTE by District for 1988-89. Waukesha has the highest direct cost/FTE, \$6,169; Nicolet has the highest indirect cost/FTE, \$2,145, and the highest total cost/FTE, \$7,930. Western has the lowest direct cost/FTE, \$4,070, and Northeast the lowest indirect cost/FTE, \$1,026.

Table 20 shows Aidable Costs by District for 1988-89. Milwaukee had the highest net aidable amount, \$66,599,667; Nicolet had the lowest aidable amount, \$4,701,275.

State aids for 1988-89 are shown in Table 21. Seven districts (Chippewa Valley, Southwest, Blackhawk, Lakeshore, Mid-State, North Central, and Nicolet) received supplemental aids totaling \$1,850,925 over the state aids allocated by formula.

Tuition in Wisconsin Technical Colleges

VTAE college parallel tuition (\$796) for 16 credits per semester in 1989-90 is second only to UW-Madison and UWM at \$896.50 per 16 credits in the University System. Tuition has increased by \$484 or 605% to \$564 for 16 credits of VTAE associate degree courses from 1975-76 to 1988-89. Comparatively from 1975-76 to 1988-89, UW two-year center tuition has increased by \$363.50 or 139% to \$625.50.

Tuition or Fees at Community or Technical Colleges in the United States as Compared to Wisconsin

It is not possible to get exact comparisons of tuition/fees for community colleges across the United States. Different sources give variant information but it is possible to classify states in general terms as to the level of their tuition/fees.

It is also not possible to get precise comparisons of sources of revenue for community colleges across the United States. Different definitions are often used for local or state revenue sources. For example, "local" does not consistently mean "local property tax" but is often anything except federal and state support and state tuition.

However, some general conclusions and comparisons can be made regarding Wisconsin Technical Colleges.¹

1. Wisconsin is the only state that differentiates in tuition between occupational associate degree and college parallel.
2. Wisconsin is near the median in tuition charges for public two-year colleges.
3. Wisconsin may have the highest local taxes for two-year colleges in the United States (see Table 2.2 Percent of Operating Funds by Source).
4. The proportion of revenues from local taxes for Wisconsin two-year technical colleges may be the highest in the United States.* In 1985-86, 54% of VTAE revenues came from local taxes. Sources of revenues by state obtained from a 1989 AACJC publication shows only one state, Arizona 51%, received more than 50% of its revenues from local sources. There are only 3 states out of 49 (Wisconsin, Arizona, and Oregon 44%) that received more than 35% of revenue locally. In the great majority of cases, it is less than 30% and in some it is less than 1%.

* Source of data: Community Colleges in the United States: Forty-Nine State Systems, Ben E. Fountain and Terrance A. Tollefson, AACJC 1989. Data in this publication is for 1985-86 or 1986-87 in most cases. More recent comparable data for the same year is not available.

¹Tuition or fees at Community Colleges in the United States, Dennis W. Redovich, Milwaukee Area Technical College, October 1989.

Students in technical colleges in Wisconsin are paying tuition at a level that is beyond their means and at the same time local property taxpayers are paying the highest proportion of costs for technical colleges in the United States.

5. Wisconsin is like all other states except Florida in having a uniform tuition for occupational associate degree and diploma/certificate courses.

Wisconsin has one of the highest tuitions in the United States for college parallel courses. In the United States, university tuition is on the average twice the two-year college rate. Tuition for college parallel courses at Wisconsin Technical Colleges is higher than tuition of the UW four-year cluster and two-year centers.

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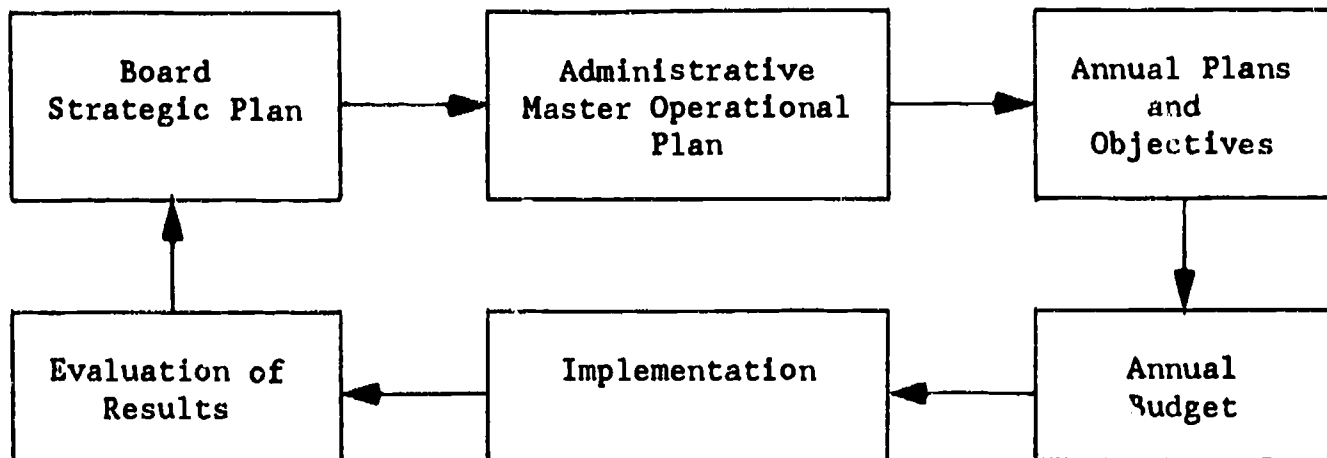
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I. INTRODUCTION

In July 1985, the Research, Planning, and Development Administrators Committee published "Strategic Planning Process: Update 1984-85" which described the elements of Strategic Planning and presented a progress report on implementation of Strategic Planning with the VTAE districts. This report addresses operational planning which follows strategic planning in the overall planning process. The diagram below represents the continuous relationship of the district planning process.



Operational planning data is necessary in order to prepare specific operational plans. This operational data includes such areas as enrollment, graduates, programs offered, program costs, tax rate and levy, and valuation of property. This report includes some operational planning data in these areas.

Acknowledgments - State VTAE Board personnel provided the necessary base data by year that was used in this report. Ronald Braem, Catherine Cotter, James Halloran, Norman Kenney, and Robert Millard of the State Board staff provided input to this report. Judy Molzen, MATC Research Secretary, is responsible for the preparation of the manuscript.

II. ANALYSIS OF FTE ENROLLMENTS IN THE VTAE SYSTEM 1979-80 TO 1988-89

State VTAE FTE enrollment peaked in 1982-83 at 64,303, declined 1% to 63,511 in 1983-84, 6.5% to 59,384 in 1984-85, and 2.4% to 57,935 in 1985-86; FTE increased .3% to 58,091 in 1986-87, decreased -2.5% to 56,622 in 1987-88, and increased 2.2% to 57,893 in 1988-89.

FTE enrollments by district are shown in Table 1 and Graph 1 for the years 1979-80 to 1988-89. Some trends are as follows:

1. Milwaukee 21.9% of 1988-89 state VTAE FTEs and Madison 12.8% have maintained about one-third of the state total FTEs over this period.
2. Four (4) districts decreased in enrollment over the nine-year period:

Waukesha	-7.7%
Western	-4.9%
Indianhead	-1.0%
Southwest	-0.4%

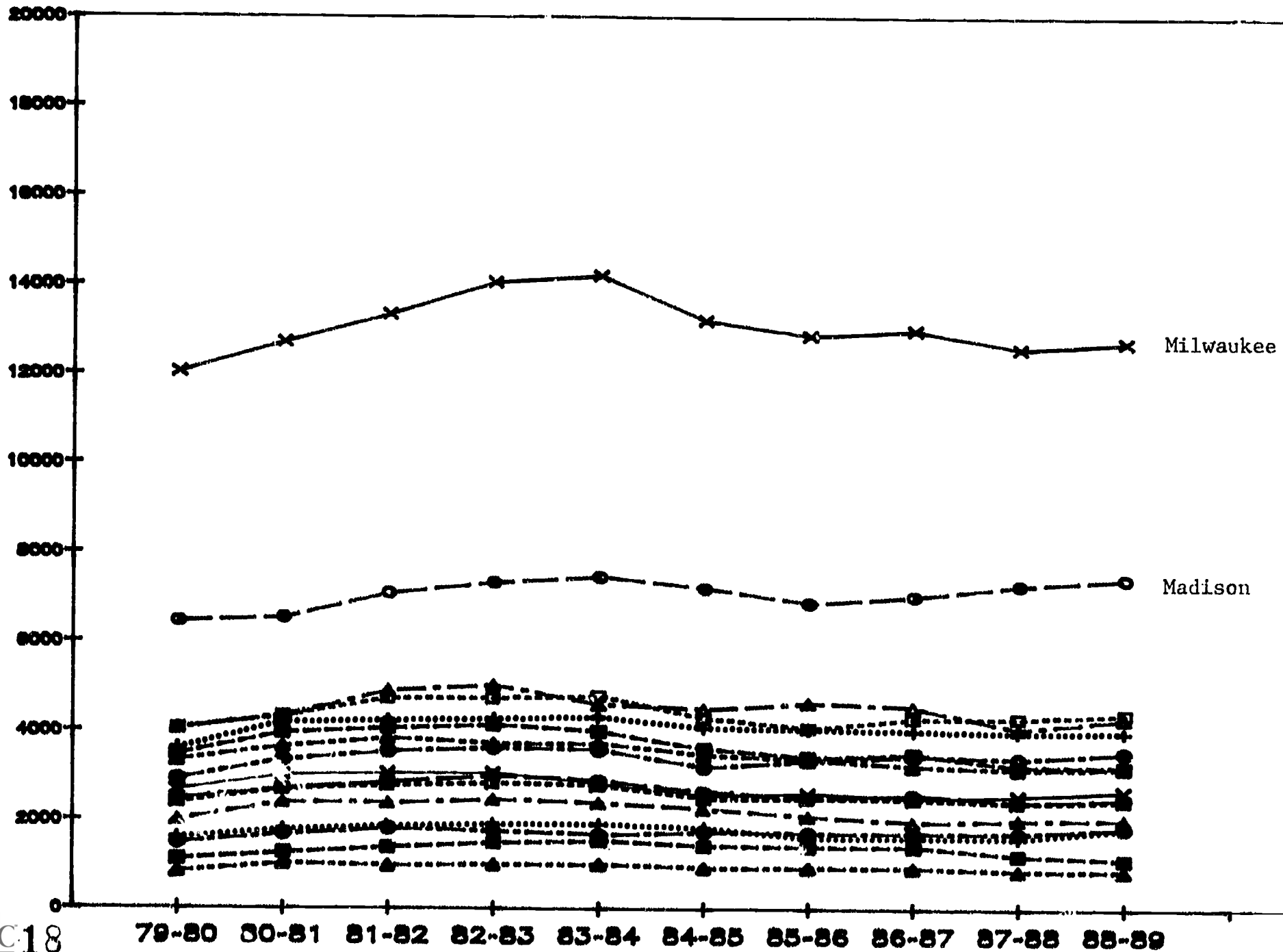
TABLE 1
 FTE ENROLLMENT BY DISTRICT
 1979-80 to 1988-89

RANK 88-89	79-80		80-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89		Change 79-80 - 88-89	
	No.	%	No.	No.	No.	No.	No.	No.	No.	No.	No.	%	No.	%
1 Milwaukee	12,019	22.0	12,686	13,310	14,034	14,179	13,179	12,845	12,963	12,551	12,692	21.9%	673	5.6%
2 Madison	6,435	11.8	6,515	7,065	7,306	7,421	7,182	6,859	7,006	7,246	7,396	12.8%	961	14.9%
3 Fox Valley	4,027	7.4	4,298	4,700	4,708	4,753	4,262	4,060	4,265	4,258	4,373	7.6%	346	8.6%
4 Gateway	4,048	7.4	4,314	4,883	5,001	4,583	4,484	4,627	4,529	4,035	4,277	7.4%	229	5.7%
5 Northeast	3,615	6.6	4,187	4,223	4,282	4,300	4,099	4,048	4,015	3,986	3,995	6.9%	380	10.5%
6 Chippewa Valley	2,932	5.4	3,363	3,538	3,625	3,574	3,188	3,360	3,454	3,395	3,522	6.1%	590	20.1%
7 Waukesha	3,478	6.4	3,952	4,058	4,135	3,990	3,613	3,414	3,493	3,204	3,209	5.5%	-269	-7.7%
8 Western	3,345	6.1	3,655	3,835	3,714	3,713	3,463	3,363	3,215	3,155	3,182	5.5%	-163	-4.9%
9 Indianhead	2,688	4.9	3,013	3,045	3,052	2,817	2,566	2,615	2,504	2,560	2,661	4.6%	-27	-1.0%
10 Moraine Park	2,483	4.6	2,699	2,843	2,989	2,878	2,643	2,498	2,575	2,406	2,482	4.3%	-1	0.0%
11 North Central	2,405	4.4	2,717	2,775	2,829	2,779	2,512	2,484	2,474	2,404	2,442	4.2%	37	1.5%
12 Lakeshore	2,007	3.7	2,402	2,384	2,463	2,388	2,270	2,089	1,965	2,004	2,027	3.5%	20	1.0%
13 Blackhawk	1,605	2.9	1,786	1,869	1,899	1,920	1,824	1,604	1,585	1,620	1,836	3.2%	231	14.4%
14 Mid-State	1,498	2.7	1,692	1,806	1,752	1,678	1,732	1,716	1,723	1,719	1,833	3.2%	335	22.4%
15 Southwest	1,119	2.1	1,278	1,386	1,505	1,535	1,418	1,407	1,403	1,206	1,114	1.9%	-5	-0.4%
16 Nicolet	846	1.6	1,023	971	1,007	1,003	949	945	923	875	854	1.5%	8	0.9%
	54,550	100.0	59,590	62,691	64,303	63,511	59,384	57,935	58,091	56,622	57,893	100.0%	3,343	6.1%

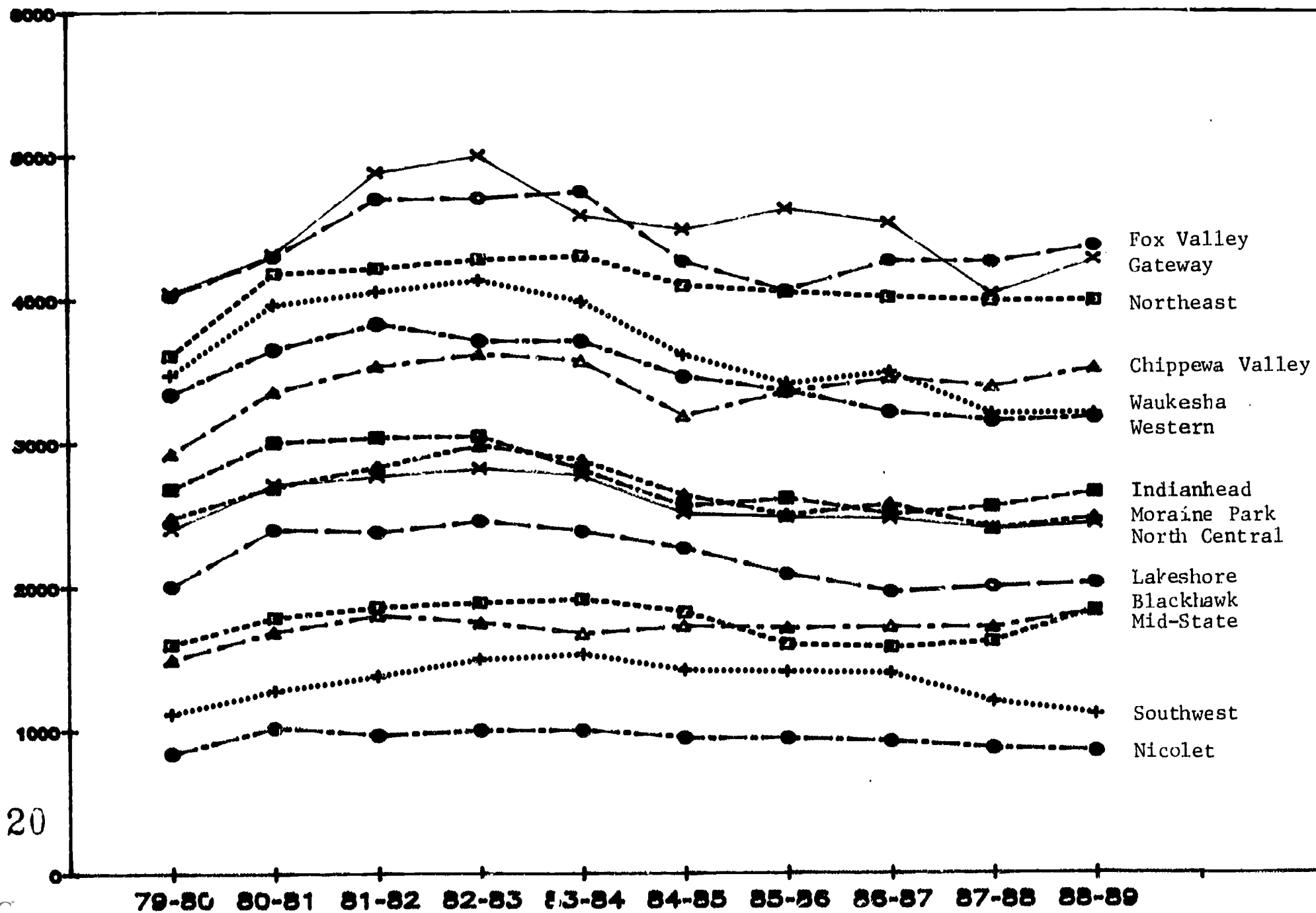
Source: Wisconsin Board of VTAC.
 Prepared by MATC Department of Research, Planning, and Development; 11/21/89.

GRAPH 1

FTE ENROLLMENT BY DISTRICT 1979-80 TO 1988-89



FTE ENROLLMENT BY DISTRICT 1979-80 TO 1988-89



3. Eleven (11) districts increased over the nine-year period:

Mid-State	22.4%	Milwaukee	5.6%
Chippewa Valley	20.1%	Gateway	5.6%
Madison	14.9%	North Central	1.5%
Blackhawk	14.4%	Lakeshore	1.0%
Northeast	10.5%	Nicolet	0.9%
Fox Valley	8.6%		

Moraine Park had virtually the same FTE in 1979-80 (2,483) as 1988-89 (2,482). FTE enrollments for 1987-88 and 1988-89 by district are shown in Table 2 and Graph 2. Some significant changes from 1987-88 to 1988-89 are as follows:

1. Fourteen (14) of the sixteen districts increased in FTE enrollment from 1987-88 to 1988-89 as follows:

Blackhawk	13.3%	Madison	2.1%
Mid-State	6.6%	North Central	1.6%
Gateway	6.0%	Milwaukee	1.1%
Indianhead	4.6%	Lakeshore	1.1%
Chippewa Valley	3.7%	Western	0.8%
Moraine Park	3.1%	Northeast	0.2%
Fox Valley	2.7%	Waukesha	0.1%

2. Two (2) districts decreased in FTE enrollment from 1987-88 to 1988-89:

Nicolet	-2.4%
Southwest	-0.8%

Full-Time and Part-Time Enrollments

Table 3 shows total unduplicated headcount, full-time and part-time program enrollments, and the ratio of FT/PT. There is great variance by district with Gateway having a ratio of .11 and Chippewa Valley .63 with a state average of .26. Some districts, notably Gateway and Madison, are assigning program codes to many part-time students. In the case of Gateway, it is probably because as many as 8,000 or more GOAL students are counted as program students. Overall, only about 21% of program enrollments in the state are considered full-time students.

Graduates, Full-Time Students, and New Program Enrollments

Table 3 also shows 1988-89 graduates, the ratio of graduates/FT, and non-program enrollments. The range of the ratio of graduates/FT goes from .96 at Southwest to .45 at Nicolet. Fox Valley has the highest percentage of nonprogram enrollments 86.3% and Gateway the lowest 62.4%. GOAL enrollees are a majority of Gateway program enrollments.

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TABLE 2
FTE ENROLLMENT BY DISTRICT
1987-88 and 1988-89

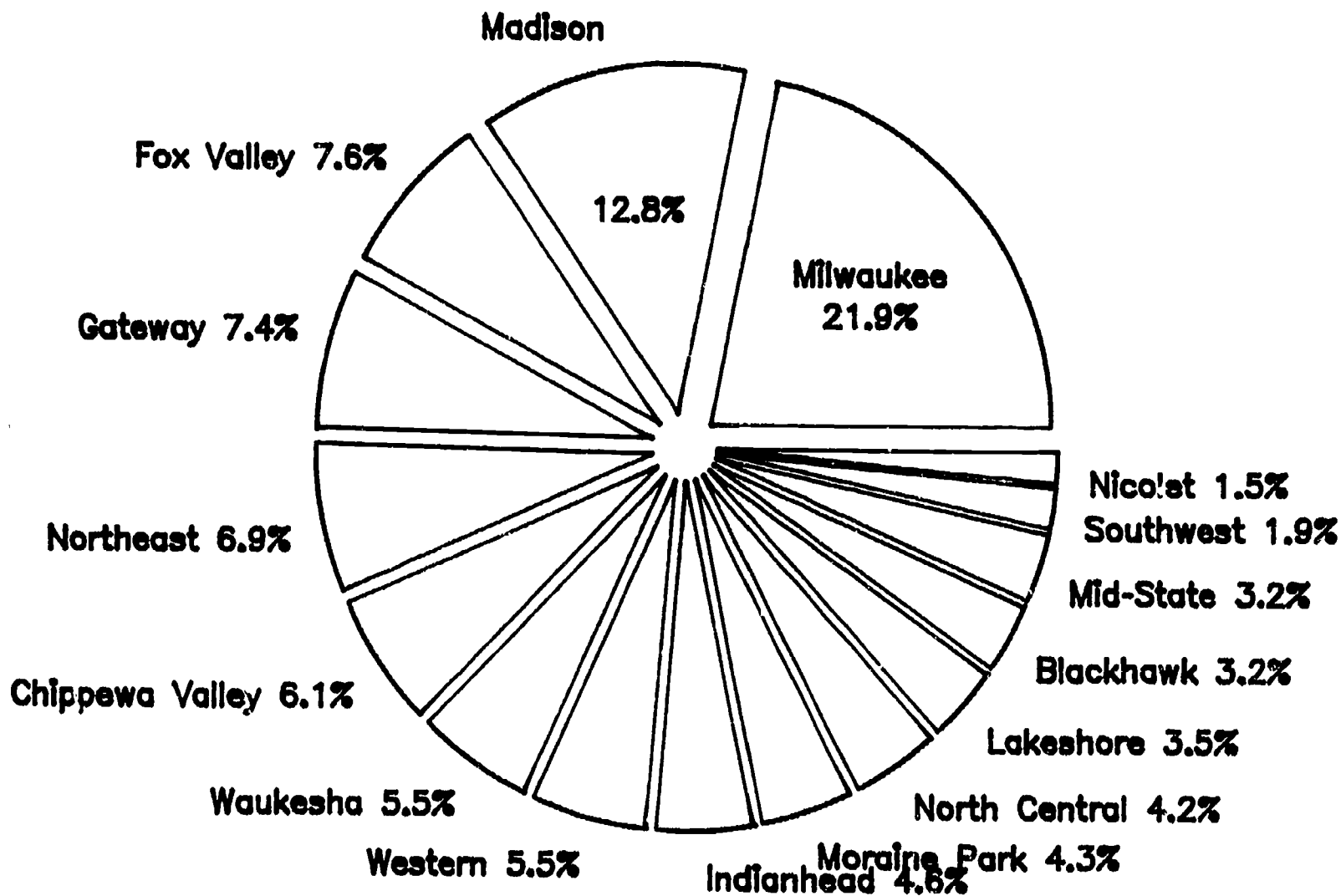
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Rank 88-89	Rank 87-88	87-88		88-89		Change 87-88 to 88-89	
		No.	%	No.	%	No.	%
1 Milwaukee	1	12,551	22.2%	12,692	21.9%	141	1.1%
2 Madison	2	7,246	12.8%	7,396	12.8%	150	2.1%
3 Fox Valley	3	4,258	7.5%	4,373	7.6%	115	2.7%
4 Gateway	4	4,035	7.1%	4,277	7.4%	242	6.0%
5 Northeast	5	3,986	7.0%	3,995	6.9%	9	0.2%
6 Chippewa Valley	6	3,395	6.0%	3,522	6.1%	127	3.7%
7 Waukesha	7	3,204	5.7%	3,209	5.5%	5	0.2%
8 Western	8	3,155	5.6%	3,182	5.5%	27	0.9%
9 Indianhead	9	2,560	4.5%	2,661	4.6%	101	3.9%
10 Moraine Park	10	2,406	4.2%	2,482	4.3%	76	3.2%
11 North Central	11	2,404	4.2%	2,442	4.2%	38	1.6%
12 Lakeshore	12	2,004	3.5%	2,027	3.5%	23	1.1%
13 Blackhawk	14	1,620	2.9%	1,836	3.2%	216	13.3%
14 Mid-State	13	1,719	3.0%	1,833	3.2%	114	6.6%
15 Southwest	15	1,206	2.1%	1,114	1.9%	-92	-7.6%
16 Nicolet	16	875	1.5%	854	1.5%	-21	-2.4%
		-----	-----	-----	-----	-----	-----
		56,622	100.0%	57,893	100.0%	1,271	2.2%

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Source: Wisconsin Board of VTAE
 Prepared by MATC Department of Research, Planning, and Development; 11/21/89.

FTE ENROLLMENT BY DISTRICT 1988-89



The eight (8) districts with less than 5% of the 1988-89 FTE enrollment together comprised 26.4% of the total.

**TABLE 3
PROGRAM, COURSE, FULL-TIME, AND PART-TIME HEADCOUNT ENROLLMENT AND GRADUATES
1988-89 BY DISTRICT**

District	Headcount	Program			1988-89 Graduates	Ratio Graduates/ Full-Time	Nonprogram Enrollments	% of Total Enrollment
		FT	PT	Ratio FT/PT				
Chippewa Valley	28,173	1,665	2,642	0.63	1,169	23,866	84.7%	
Western	19,276	1,438	4,496	0.32	975	13,342	69.2%	
Southwest	11,125	482	1,031	0.47	462	9,612	86.4%	
Madison	50,347	3,284	14,226	0.23	1,528	32,837	65.2%	
Blackhawk	14,542	728	3,129	0.23	485	10,685	73.5%	
Gateway	32,031	1,182	10,856	0.11	764	19,993	62.4%	
Waukesha	32,773	1,003	6,853	0.15	687	24,917	76.0%	
Milwaukee	58,254	3,376	7,582	0.45	2,455	47,296	81.2%	
Moraine Park	18,881	1,039	4,481	0.23	672	13,361	70.8%	
Lakeshore	19,241	688	2,708	0.25	561	15,845	82.4%	
Fox Valley	45,844	1,528	4,740	0.32	1,123	39,576	86.3%	
Northeast	40,202	1,611	4,904	0.33	1,139	33,687	83.8%	
Mid-State	12,958	704	3,266	0.22	451	8,988	69.4%	
North Central	19,780	840	3,263	0.26	727	15,677	79.3%	
Nicolet	8,274	294	2,244	0.13	133	5,736	69.3%	
Indianhead	25,241	1,262	3,945	0.32	984	20,034	79.4%	
State Totals	436,942	21,124	80,366	0.26	14,315	335,452	76.8%	

Source: VTAE Student Accounting System
MATC Research, Planning, and Development
DR:jm 1/23/90

State FTE and Headcounts by Aid Code for Continuing Education

Table 4 shows the Headcount and FTE changes by Continuing Education Aid Code from 1979-80 to 1988-89. Associate degree, college parallel, and codes 11, 30, 31, 32 Vocational are not included because program FTEs in these categories are not comparable to course FTEs used in other sections of this report.

1. Headcounts have declined 14.6% while FTEs decreased 21.1% from 1979-80 to 1988-89 in Continuing Education.
2. Government ABE programs are down significantly from 1979-80 to 1988-89:
Code 38 ABE 11,350 to 7,277 headcount.
3. GOAL enrollments increased from 7,303 to 27,248 headcount from 1979-80 to 1988-89. Only some of these enrollments are shown in Table 4 since most GOAL programs are coded 30.
4. General Adult, which includes basic skills training, is up from 70,915 to 89,513 from 1979-80 to 1988-89.
5. Avocational is down from 90,080 to 35,372 from 1979-80 to 1988-89.
6. Vocational-Adult headcounts began and ended the nine-year period with similar counts (242,128 and 254,535) while Community Service enrollments went down significantly (129,621 to 62,969).
7. Occupational Adult, a category which was not used in 1979-80, had a 162,381 headcount in 1988-89 which represented 37.2% of the total unduplicated headcount of 436,942.

Enrollment by Sex, Ethnic Origin, Handicapped, and Disadvantaged by District

Table 5, 1988-89, shows FTE, Total Headcount, Male, Female, Ethnic Group, Handicapped, Limited English Proficiency, and Total Disadvantaged (unduplicated count of economic, academic, and LEP enrollments) by district for 1988-89. Some highlights for 1988-89 are as follows:

1. Fourteen (14) of 16 districts have a majority of women students. Nicolet with 62.5% female had the highest percentage in 1988-89. Fox Valley with 44.9% female had the lowest.
2. Milwaukee (13,682 minority students) had 50% of the minority enrollment of 27,326 in 1988-89. A total of 23.5% of MATC-Milwaukee headcount enrollment was minority, including 9,707 blacks which represented 70% of black enrollment in the state.
3. Indianhead had the highest number of American Indian students with 611 in 1988-89.

TABLE 4
CHANGE IN CONTINUING EDUCATION HEADCOUNT AND FTE BY AID CODE
1979-80 TO 1988-89

AID CODE	1979-80			1988-89			% CHANGE 1979 to 1988	
	HEADCOUNT (HC)	FTE	HC/FTE	HEADCOUNT (HC)	FTE	HC/FTE	HC	FTE
03 Preparatory Conf	2,246	25	89.84					
04 Extension Conf	6,096	51	119.53					
38 ABE	11,350	1,421	7.99	7,277	678	10.73	-35.9%	-52.3%
40 Extension	105,191	2,171	48.45	1,340	75	17.87	-98.7%	-96.5%
41 Part-Time Prep	29,871	873	34.22					
42 General Adult	70,917	1,507	47.06	89,513	2,397	37.34	26.2%	59.1%
43 Homemaking	51,855	934	55.52					
47 Occup Adult				162,381	3,558	45.64		
70 and 34 HS Courses	3,410	133	25.64	4,165	79	52.72	22.1%	-40.6%
Vocational-Adult	242,128	7,114 *	34.04	254,535	6,787 *	37.50	5.1%	-4.6%
00 Workshops	38,619	294	131.36	21,356	135	158.19	-44.7%	-54.1%
02 Contract Service	2,137	28	76.32	4,692	36	130.33	119.6%	28.6%
44 Driv Ed-Theory	2,455	46	53.37	197	4	49.25	-92.0%	-91.3%
45 Behind-the-Wheel	3,272	27	121.19	519	3	173.00	-84.1%	-88.9%
91 HS Contract	2,147	397	5.41	67	10	6.70	-96.9%	-97.5%
Cooperative Service	48,630 **	792 *	61.40	26,530	189 *	140.37	-45.4%	-76.1%
01 Workshops	2,202	68	32.38	1,122	40	28.05	-49.0%	-41.2%
60 Avocational	90,080	2,006	44.91	35,372	857	41.27	-60.7%	-57.3%
District Service	92,282 **	2,074 *	44.49	36,439	897 *	40.62	-60.5%	-56.8%
Community Service	129,621	2,866 *	45.23	62,969	1,086 *	57.98	-51.4%	-62.1%
GRAND TOTAL	371,749	9,980 *		317,504	7,873 *		-14.6%	-21.1%

*FTE within aid categories is based upon course and program code.
FTE in other tables and in total represent course FTEs.

**Duplicated headcount.

NOTE: FTEs are counted by programs and courses. For example: a district submits an FTE record for a student in a diploma course. This record also indicates that the student is in an Associate Degree program. On a course basis FTE summary, the FTEs will be counted as Vocational and Associate Degree based upon the courses. In this summary, the FTEs will be combined based on the program code and will be counted in the Associate Degree aid category.

TABLE 5
 ENROLLMENT BY DISTRICT, SEX, ETHNIC ORIGIN, HANDICAPPED,
 LIMITED ENGLISH PROFICIENCY, AND DISADVANTAGED
 1988-89 SCHOOL YEAR

District	FTE	Total Headct	Male	Female	% Female	Indian	Asian	Black	Hispanic	% Minority	Handicapped		LEP		Total Disadvantaged	
											No.	%	No.	%	No.	%
Chippewa Valley	3,522	28,173	13,692	14,481	51.4%	58	298	15	28	1.4%	483	1.7%	279	1.0%	4,922	17.5%
Western	3,182	19,276	8,924	10,352	53.7%	19	444	121	34	3.2%	360	1.9%	531	2.8%	2,408	12.5%
Southwest	1,114	11,125	4,953	6,172	55.5%	4	19	4	10	0.3%	162	1.5%	13	0.1%	1,210	10.9%
Madison	7,396	50,347	21,429	25,367	50.4%	188	401	857	549	4.0%	320	0.6%	393	0.8%	3,265	6.5%
Blackhawk	1,836	14,542	7,339	7,203	49.5%	20	45	177	47	2.0%	280	1.9%	107	0.7%	2,256	15.5%
Gateway	4,277	32,031	15,473	16,558	51.7%	119	185	2,094	1,479	12.1%	913	2.9%	492	1.5%	5,636	17.6%
Waukesha	3,209	32,773	16,360	16,413	50.1%	46	109	135	358	2.0%	897	2.7%	303	0.9%	3,139	9.6%
Milwaukee	12,691	58,254	26,437	30,922	53.1%	372	1,269	9,707	2,334	23.5%	1,022	1.8%	1,181	2.0%	14,432	24.8%
Moraine Park	2,482	18,881	8,819	10,062	53.3%	68	79	31	100	1.5%	435	2.3%	84	0.4%	2,436	12.9%
Lakeshore	2,027	19,241	9,439	9,802	50.9%	19	514	2	114	3.4%	191	1.0%	496	2.6%	2,832	14.7%
Fox Valley	4,373	45,844	25,258	20,586	44.9%	367	460	535	206	3.4%	351	0.8%	395	0.9%	4,534	9.9%
Northeast	3,995	40,202	18,250	21,952	54.6%	324	312	13	84	1.8%	558	1.4%	210	0.5%	4,847	12.1%
Mid-State	1,833	12,958	6,207	6,750	52.1%	113	156	26	59	2.7%	754	5.8%	114	0.9%	2,221	17.1%
North Central	2,442	19,780	8,887	10,893	55.1%	557	464	11	64	5.5%	400	2.0%	345	1.7%	3,923	19.8%
Nicolet	854	8,274	2,996	5,170	62.5%	204	15	86	21	3.9%	169	2.0%	0	0.0%	1,053	12.7%
Indianhead	2,661	25,241	10,698	14,543	57.6%	611	52	62	52	3.1%	434	1.7%	11	0.04%	3,674	14.6%
State Totals	57,893	436,942	205,161	227,226	52.0%	3,089 0.7%	4,822 1.1%	13,076 3.2%	5,539 1.3%	6.3%	7,729	1.8%	4,954	1.1%	62,788	14.4%

Source: VTAE Student Accounting System
 MATC Research, Planning, and Development
 DR:jm 11/21/89

NOTE: Minority enrollment was NOT adjusted for those students whose race was not known.
 Some districts have significant numbers of students whose race is not identified.

4. With the exception of Gateway with 12.1%, North Central with 5.5%, and Milwaukee with 23.5% minority, all other districts had 4.0% or less minority enrollment.
5. A total of 1.8% of State VTAE enrollment is indicated as Handicapped, 1.1% as Limited English Proficient, and 14.4% as Disadvantaged.

State FTE and Headcount Enrollment by Aid Code

Comparison of Percentage of Total Enrollment by Aid Code for Statewide Headcount and FTE

Aid Code	1979-80				1988-89			
	Headcount		FTE		Headcount		FTE	
	No.	% of Total	No.	% of Total	No.	% of Total	No.	% of Total
College Parallel	8,974	1.7%	1,858	3.4%	8,399	1.7%	2,822	4.9%
Associate Degree	73,488	14.3%	25,276	46.3%	84,760	17.7%	31,077	53.7%
Vocational	80,745	15.7%	17,038	31.2%	72,762	15.2%	16,122	27.8%
Voc-Adult	208,934	40.7%	7,419	13.6%	251,304	52.3%	6,787	11.7%
Community Service	140,912	27.5%	2,959	5.4%	62,969	13.1%	1,085	1.9%
TOTAL	513,053	100.0%	54,550	100.0%	480,194	100.0%	57,893	100.0%

Significant differences in headcount and FTE enrollments are:

1. College Parallel enrollments represented only 1.7% of headcount enrollments in 1979-80 and 1988-89, and 3.4% and 4.9% of FTEs the same years.
2. Associate Degree headcounts represent a relatively small percentage of headcount enrollment (14.3% in 1979-80 and 17.7% in 1988-89) but a majority of FTEs (46.3% and 53.7%).
3. Vocational headcount enrollments account for about twice the FTE enrollment (27.8% in 1988-89) as headcount (15.2%).
4. Vocational-Adult enrollments are increasing and represented 52.3% of headcount enrollment in 1988-89 while accounting for only 11.7% of FTEs. More than one-half of these enrollments are in code 47 (occupational adult) 162,381 out of 251,304 in 1988-89.
5. Community Service enrollments are declining and represent only 1.9% of FTEs and 13.1% of headcount enrollments in 1988-89.

GOAL, ABE, ESL, and Basic Skills Enrollments

The GOAL program enrolled more students in 1988-89 (27,248) than any other program (Accounting is number 2 in enrollment 5,983). GOAL, ABE, Basic Skills, and ESL had a duplicated headcount of 55,089 and total state FTE of 5,409.79 (9.3% of all FTEs in the state in 1988-89). Table 5A.

Gateway had a 30-850-3 GOAL headcount enrollment in 1988-89 of 8,437 with 785 FTEs which represents 18% of Gateway's total FTE of 4,277 (Tables 5B and 5C). Gateway's total headcount in GOAL and ABE (8,628) is larger than Milwaukee's total (6,177). Milwaukee had the highest FTE (1,022) with Gateway second (793).

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TABLE 5A
STATEWIDE BASIC SKILLS, GOAL, AND ABE
HEADCOUNT AND FTE ENROLLMENTS 1988-89

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	Headcount -----	FTE -----	% of FTE Grand Total -----
30-853-0 Goal	27,248	3,119.60	57.7%
30-851-0 GOAL English	773	36.27	0.7%
30-854-0 GOAL Math	2,554	165.92	3.1%
30-856-0 GOAL Science	403	25.80	0.5%
30-858-0	1,416	72.58	1.3%
30-859-0 GOAL Social Sci	230	10.44	0.2%
30-861-0 GOAL ESL	466	99.79	1.8%
30-862-0 GOAL Career Ed	2,432	95.03	1.8%
Subtotals	----- 35,522 (Duplicated)	----- 3,625.43	----- 67.0%
38-813-0 ABE	7,277	677.95	12.5%
42-813-0 Basic Skills	6,195	814.79	15.1%
42-851-0 English	239	2.04	0.04%
42-854-0 Math	471	5.25	0.1%
42-858-0 Reading	37	0.09	0.0%
42-861-0 ESL	1,240	232.55	4.3%
42-862-0 Career Education	4,108	51.69	1.0%
Subtotals	----- 12,290 (Duplicated)	----- 1,106.41	----- 20.5%
GRAND TOTAL	55,089 (Duplicated)	5,409.79 *	100.0%

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*Represents 9.3% of Total 57,893 FTE for all courses.

TABLE 5B
1988-89 GOAL, ABE, BASIC SKILLS, AND ESL HEADCOUNTS BY DISTRICT

	30-850-3 GOAL	% of Total	30-800s or 42-800s Basic Skls	% of Total	38-813-0 ABE	% of Total	42-813-0 Basic Skl	% of Total	42-861-0 ESL	% of Total	Totals	% of Total
Chippewa Valley	0	0.0%	0	0.0%	2,225	30.7%	1,103	17.8%	0	0.0%	3,328	6.3%
Western	2,114	7.8%	61	0.6%	0	0.0%	0	0.0%	0	0.0%	2,175	4.1%
Southwest	169	0.6%	66	0.6%	348	4.8%	8	0.1%	0	0.0%	591	1.1%
Madison	0	0.0%	570	5.3%	1,455	20.0%	330	5.3%	0	0.0%	2,355	4.5%
Blackhawk	1,942	7.1%	0	0.0%	72	1.0%	614	9.9%	0	0.0%	2,628	5.0%
Gateway	8,437	31.0%	0	0.0%	191	2.6%	0	0.0%	0	0.0%	8,628	16.4%
Waukesha	2,826	10.4%	0	0.0%	19	0.3%	49	0.8%	0	0.0%	2,894	5.5%
Milwaukee	0	0.0%	0	0.0%	1,264	17.4%	3,695	59.6%	1,218	98.2%	6,177	11.7%
Moraine Park	2,195	8.1%	190	1.8%	0	0.0%	7	0.1%	0	0.0%	2,392	4.5%
Lakeshore	2,125	7.8%	1,440	13.3%	0	0.0%	80	1.3%	22	1.8%	3,667	7.0%
Fox Valley	0	0.0%	5,526	51.1%	0	0.0%	48	0.8%	0	0.0%	5,574	10.6%
Northeast	1,000	3.7%	1,876	17.4%	372	5.1%	25	0.4%	0	0.0%	3,273	6.2%
Mid-State	1,960	7.2%	26	0.2%	0	0.0%	0	0.0%	0	0.0%	1,986	3.8%
North Central	1,743	6.4%	938	8.7%	482	6.6%	76	1.2%	0	0.0%	3,239	6.1%
Nicolet	495	1.8%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	495	0.9%
Indianhead	2,242	8.2%	114	1.1%	829	11.4%	160	2.6%	0	0.0%	3,345	6.3%
TOTALS	27,248	100.0%	10,807	100.0%	7,257	100.0%	6,195	100.0%	1,240	100.0%	52,747	100.0%

TABLE 5C
1988-89 GOAL, ABE, BASIC SKILLS, AND ESL FTEs BY DISTRICT

	30-850-3 GOAL	% of Total	30-800s or 42-800s Basic Skls	% of Total	38-813-0 ABE	% of Total	42-813-0 Basic Skl	% of Total	42-861-0 ESL	% of Total	Total	% of Total
Chippewa Valley	0	0.0%	0.0	0.0%	193	28.4%	70	8.5%	0	0.0%	263	4.9%
Western	515	16.5%	5.2	1.0%	0	0.0%	0	0.0%	0	0.0%	520.2	9.6%
Southwest	50	1.6%	5.8	1.1%	25	3.7%	0.1	0.0%	0	0.0%	80.9	1.5%
Madison	0	0.0%	14.3	2.6%	198	29.2%	50	6.1%	0	0.0%	262.3	4.9%
Blackhawk	182	5.8%	0.0	0.0%	8	1.2%	12	1.5%	0	0.0%	202	3.7%
Gateway	785	25.2%	0.0	0.0%	8	1.2%	0	0.0%	0	0.0%	793	14.7%
Waukesha	244	7.8%	0.0	0.0%	0.7	0.1%	2.5	0.3%	0	0.0%	247.2	4.6%
Milwaukee	0	0.0%	0.0	0.0%	137	20.2%	653	79.8%	232	99.8%	1,022	18.9%
Moraine Park	162	5.2%	6.4	1.2%	0	0.0%	0.2	0.0%	0	0.0%	168.6	3.1%
Lakeshore	340	10.9%	32.4	5.9%	0	0.0%	8	1.0%	0.5	0.2%	380.9	7.1%
Fox Valley	0	0.0%	353.0	64.6%	0	0.0%	8	1.0%	0	0.0%	361	6.7%
Northeast	147	4.7%	74.6	13.7%	29	4.3%	1.4	0.2%	0	0.0%	252	4.7%
Mid-State	285	9.1%	1.7	0.3%	0	0.0%	0	0.0%	0	0.0%	286.7	5.3%
North Central	184	5.9%	51.9	9.5%	23	3.4%	4	0.5%	0	0.0%	262.9	4.9%
Nicolet	87	2.8%	0.0	0.0%	0	0.0%	0	0.0%	0	0.0%	87	1.6%
Indianhead	138	4.4%	1.1	0.2%	57	8.4%	9.6	1.2%	0	0.0%	205.7	3.8%
TOTALS	3,119	100.0%	546.4	100.0%	678.7	100.0%	818.8	100.0%	232.5	100.0%	5,395	100.0%

15

Adult High School or High School Courses

Milwaukee is the only district that has an Adult High School (State Code 34). Other districts offer high school courses that may be used as credits toward graduation from high schools. Significant changes in enrollment have taken place from 1979-80 to 1988-89 in these enrollments.

High School Course Enrollments				
	1979-80		1988-89	
	Hdct	FTE	Hdct	FTE
Milwaukee	6,688	577.56	3,840	902.19
Other 15 Districts	3,411	133.10	934	78.52
TOTAL	10,099	710.66	4,774	980.71

From 1979-80 to 1988-89:

- Milwaukee headcount has decreased (2,848 or -4.3%).
- Milwaukee FTE has increased (324 or +56%).
- Other 15 districts' headcount decreased (2,477 or -73%).
- Other 15 districts' FTE decreased (54 or -41%).

FTE and Costs by State Code 1979-80 to 1988-89

Table 6 and Graph 2 show Operational Costs and Cost/FTE by Aid Category for all districts from 1979-80 to 1988-89. Trends in FTE by aid category are shown in Graph 2 to 1988-89. Some trends indicated from 1979-80 to 1988-89 are as follows:

1. The percentage of Associate Degree enrollments has increased from 46% of total FTE (25,276 out of 54,550) in 1979-80 to 54% (31,174 out of 57,893) in 1988-89.
2. College Parallel and Associate Degree enrollments have increased 50% and 23% respectively while Vocational, Vocational-Adult, and Community Services have decreased 8%, 4%, and 62% respectively. Total FTE enrollment increased 6% over the nine-year period.
3. Costs per FTE have increased more rapidly for College Parallel (118%), Associate Degree (110%), and Vocational (96%) than for Vocational-Adult (47%) while Community Services costs increased slightly (6%). Overall costs per FTE increased 91%.

FTE and Costs by Instructional Division 1979-80 to 1988-89

Table 7 shows Direct Costs, FTE, and Cost/FTE for all districts from 1979-80 to 1988-89. Table 8 and Graph 3 show FTE enrollment trends by instructional division from 1979-80 to 1988-89. Some trends indicated during this nine-year period are as follows:

TABLE 6

OPERATIONAL COSTS AND COST/FTE BY AID CATEGORY 1979-80 TO 1988-89
AND FTE TO 1988-89 FOR ALL DISTRICTS

Year	COLLEGE PARALLEL			ASSOCIATE DEGREE			VOCATIONAL		
	Operational Costs	FTE	Cost/ FTE	Operational Costs	FTE	Cost/ FTE	Operational Costs	FTE	Cost/ FTE
1979-80	\$3,633,905	1,858	\$1,956	\$66,612,280	25,276	\$2,635	\$61,648,940	17,038	\$3,618
1980-81	\$4,125,018	1,998	\$2,065	\$79,067,379	28,927	\$2,733	\$70,152,896	18,439	\$3,805
1981-82	\$4,426,095	2,030	\$2,180	\$90,245,330	31,542	\$2,861	\$78,953,462	19,630	\$4,022
1982-83	\$6,140,458	2,146	\$2,861	\$107,451,451	33,563	\$3,201	\$89,840,203	19,261	\$4,664
1983-84	\$6,733,558	2,195	\$3,068	\$119,456,295	33,830	\$3,531	\$94,494,398	18,165	\$5,202
1984-85	\$7,030,430	2,150	\$3,270	\$129,770,616	31,681	\$4,096	\$96,018,201	16,660	\$5,770
1985-86	\$8,282,513	2,130	\$3,889	\$143,850,152	31,008	\$4,639	\$102,025,426	16,277	\$6,268
1986-87	\$9,677,850	2,275	\$4,254	\$148,800,150	31,195	\$4,770	\$109,502,712	16,266	\$6,732
1987-88	\$10,332,649	2,539	\$4,069	\$157,407,205	30,868	\$5,099	\$115,564,863	15,430	\$7,490
1988-89	\$11,908,343	2,791	\$4,267	\$172,548,090	31,174	\$5,535	\$120,587,484	15,677	\$7,692
Change 1979-80 to 1988-89	\$8,274,438 228%	933 50%	\$2,311 118%	\$105,935,810 159%	5,898 23%	\$2,900 110%	\$58,938,544 96%	(1,361) -8%	\$4,074 113%

Table 6 (Continued)

Operational Costs and Cost/FTE by Aid Category 1979-80 to 1988-89
and FTE to 1988-89 for All Districts

Year	VOCATIONAL-ADULT			COMMUNITY SERVICES			TOTAL		
	Operational Costs	FTE	Cost/ FTE	Operational Costs	FTE	Cost/ FTE	Operational Costs	FTE	Cost/ FTE
1979-80	\$30,403,259	7,419	\$4,098	\$11,857,711	2,959	\$4,008	\$174,156,095	54,550	\$3,193
1980-81	\$30,548,449	7,014	\$4,355	\$14,163,548	3,212	\$4,410	\$198,057,290	59,590	\$3,324
1981-82	\$30,200,886	6,598	\$4,577	\$12,918,872	2,891	\$4,469	\$216,744,645	62,691	\$3,457
1982-83	\$24,389,562	6,668	\$3,658	\$9,265,191	2,665	\$3,477	\$237,086,865	64,303	\$3,687
1983-84	\$28,017,186	6,969	\$4,020	\$8,552,738	2,352	\$3,636	\$257,254,175	63,511	\$4,051
1984-85	\$29,726,299	6,681	\$4,449	\$9,108,004	2,232	\$4,081	\$271,653,550	59,384	\$4,575
1985-86	\$35,076,136	6,750	\$5,196	\$6,556,054	1,770	\$3,700	\$295,790,281	57,936	\$5,105
1986-87	\$38,072,490	6,945	\$5,482	\$5,419,084	1,411	\$3,841	\$311,472,286	58,091	\$5,362
1987-88	\$39,046,475	6,614	\$5,903	\$4,818,905	1,196	\$4,113	\$327,170,097	56,648	\$5,776
1988-89	\$43,098,676	7,132	\$6,043	\$4,745,663	1,119	\$4,240	\$352,915,728	57,893	\$6,096
Change 1979-80 to 1988-89	\$12,695,417 42%	(287) -4%	\$1,945 47%	(\$7,112,048) -60%	(1,840) -62%	\$232 6%	\$178,759,633 103%	3,343 6%	\$2,903 91%

GRAPH 2

FTE BY AID CATEGORY

1979-80 TO 1988-89

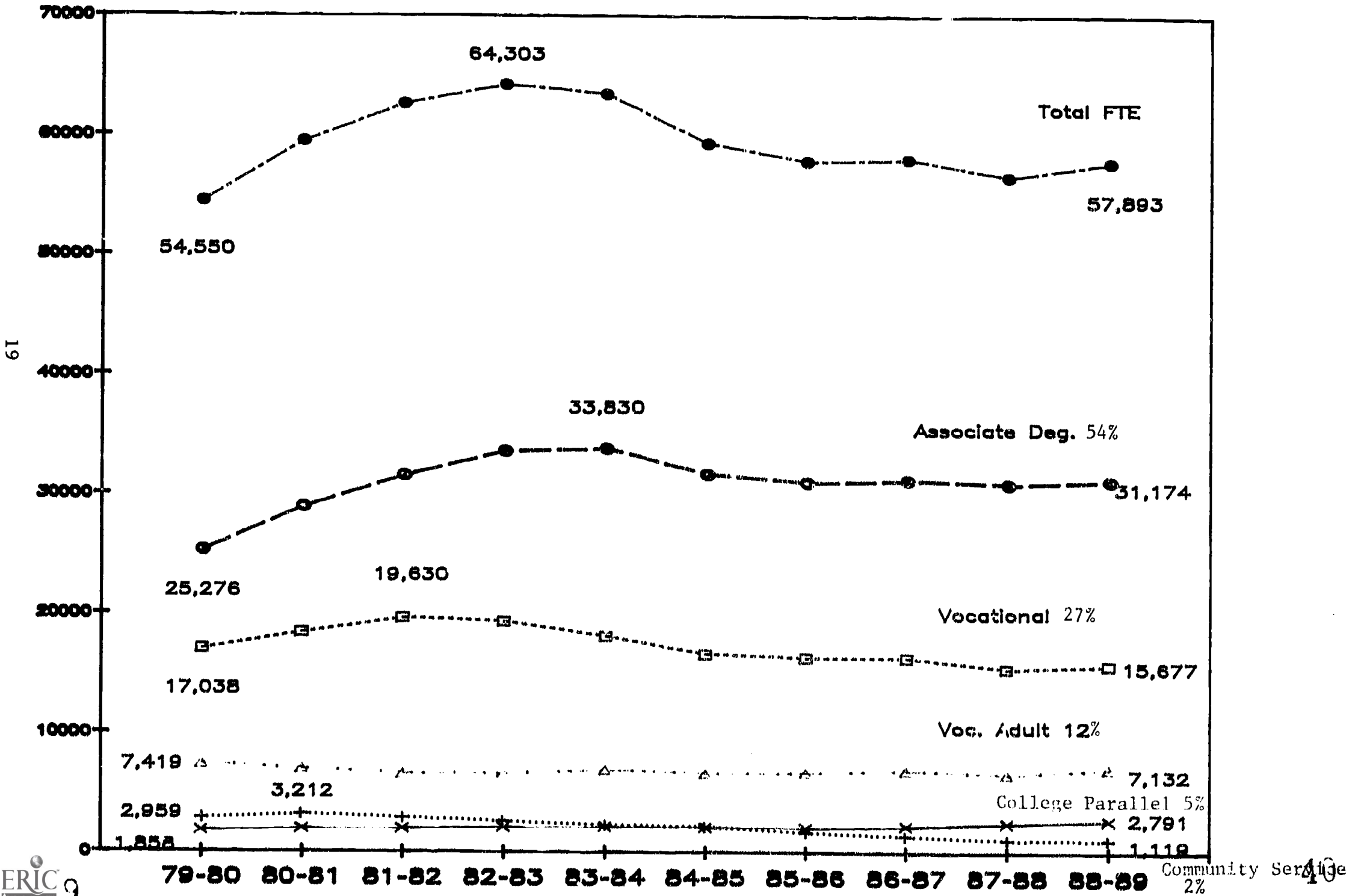


TABLE 7

DIRECT INSTRUCTIONAL COSTS, FTE, AND COST/FTE BY INSTRUCTIONAL DIVISION
1979-80 TO 1988-89 FOR ALL DISTRICTS

Division	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	Change 1979-80 to 1988-89
AGRICULTURE											
Direct Costs	5,112,370	5,740,027	6,166,656	6,692,134	7,067,342	7,412,114	7,765,178	7,805,070	7,969,599	8,578,994	68%
FTE	1,173.1	1,177.2	1,294.7	1,251.1	1,261.8	1,160.5	1,081.2	953	869	937.8	-20%
Direct Cost/FTE	4,358	4,876	4,763	5,349	5,601	6,387	7,182	8,190	9,171	9,148	110%
BUSINESS											
Direct Costs	19,749,592	22,497,785	25,944,472	30,194,419	33,749,980	35,990,350	37,723,330	41,158,824	42,847,068	46,234,981	134%
FTE	13,079.2	14,514.7	15,819.8	17,244.1	17,660.9	16,631.4	16,011.6	15,806	15,396	15,134.2	16%
Direct Cost/FTE	1,510	1,550	1,640	1,751	1,911	2,164	2,356	2,604	2,783	3,055	102%
GRAPHICS											
Direct Costs	2,691,779	3,060,306	3,446,798	3,435,731	3,539,180	3,740,581	4,246,202	4,408,069	4,811,100	5,092,003	89%
FTE	1,167.8	1,233.0	1,306.1	1,292.6	1,276.3	1,157.0	1,094.1	1,093	1,015	985.3	-16%
Direct Cost/FTE	2,305	2,482	2,639	2,658	2,773	3,233	3,881	4,033	4,740	5,168	124%
HOME ECONOMICS											
Direct Costs	6,329,580	7,086,211	7,363,920	7,819,457	8,282,228	8,568,244	8,624,031	8,914,512	9,099,454	9,210,780	46%
FTE	2,888.9	3,164.9	3,068.3	3,050.9	2,913.2	2,794.6	2,580.5	2,433	2,249	2,220.0	-23%
Direct Cost/FTE	2,191	2,239	2,400	2,563	2,843	3,066	3,342	3,664	4,046	4,149	89%
INDUSTRIAL											
Direct Costs	25,081,738	27,333,070	29,028,964	29,885,004	30,993,700	30,992,329	32,158,125	33,685,374	35,926,950	37,763,469	51%
FTE	8,977.0	8,994.1	8,861.1	8,497.3	7,721.4	6,983.4	6,850.9	6,729	6,205	6,089.9	-32%
Direct Cost/FTE	2,794	3,039	3,276	3,517	4,014	4,438	4,694	5,006	5,790	6,201	122%

Note: Direct costs include only instructional costs. Instructional resources, student services, research, general administration, general institutional, and physical plant are not included.

Table 7 (Continued)

Direct Instructional Costs, FTE, and Cost/FTE by Instructional Division
1979-80 to 1988-89 for All Districts

Division	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	Change 1979-80 to 1988-89
SERVICE & HEALTH											
Direct Costs	23,898,985	27,414,241	30,037,260	32,566,860	36,879,040	37,979,705	38,971,387	39,802,355	41,879,408	45,487,422	90%
FTE	7,008.5	7,265.9	7,810.0	8,041.2	8,036.4	7,374.7	7,076.7	6,989	6,896	7,195.1	3%
Direct Cost/FTE	3,410	3,773	3,846	4,050	4,589	5,150	5,507	5,695	6,073	6,322	85%
TECHNICAL											
Direct Costs	5,848,746	6,714,303	7,653,040	8,954,219	9,869,598	11,107,111	13,197,783	14,306,356	14,289,396	15,836,436	171%
FTE	2,245.2	2,587.4	2,824.0	2,938.7	2,968.3	2,972.2	3,155.1	3,236	3,153	3,190.9	42%
Direct Cost/FTE	2,605	2,595	2,710	3,047	3,325	3,737	4,183	4,421	4,532	4,963	91%
TELEVISION											
Direct Costs	87,780	98,325	133,348	116,486	138,047	157,290	282,596	174,513	211,352	238,220	171%
FTE	28.0	37.4	42.4	43.4	37.3	41.1	43.0	57.5	58	54.6	95%
Direct Cost/FTE	3,135	2,629	3,145	2,684	3,701	3,827	6,572	3,035	3,644	4,363	39%
GENERAL EDUCATION											
Direct Costs	28,736,674	34,015,575	36,808,495	40,052,910	42,454,737	45,442,425	49,884,040	55,187,276	57,489,741	64,664,880	125%
FTE	17,982.9	20,615.5	21,664.8	21,946.8	21,638.5	20,268.7	20,041.8	20,794	20,807	22,085.4	23%
Direct Cost/FTE	1,598	1,650	1,699	1,825	1,962	2,242	2,489	2,654	2,763	2,928	83%
TOTAL INSTRUCTION*											
Direct Costs	117,556,543	133,958,545	146,572,026	159,729,149	172,996,064	181,416,898	192,864,616	240,903,377	250,554,104	270,619,651	130%
FTE	54,550.6	59,590.1	62,691.2	64,303.2	63,508.1	59,383.6	57,934.7	58,091	56,648	57,893.2	6%
Direct Cost/FTE	2,155	2,248	2,338	2,484	2,724	3,055	3,329	4,147	4,423	4,674	117%

*Includes direct instructional costs, instructional resources, and student services.

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TABLE 8

**CHANGE IN FTE ENROLLMENT BY INSTRUCTIONAL DIVISION
1979-80 to 1988-89**

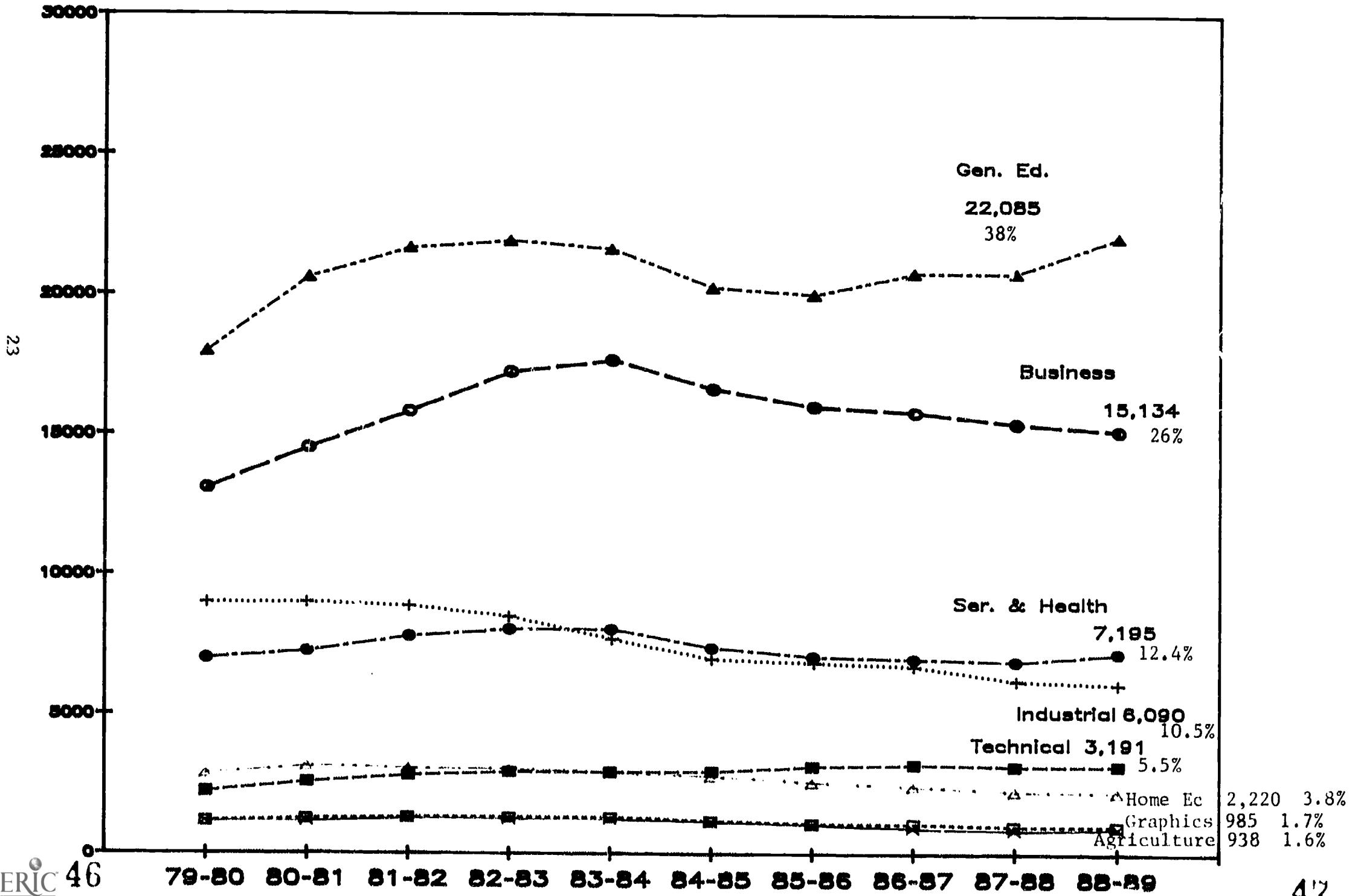
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Division	1979-80	% of Total	1988-89	% of Total	Change	
					No.	%
Agriculture	1,173	2.2%	938	1.6%	(235)	-20.0%
Business	13,079	24.0%	15,134	26.1%	2,055	15.7%
Graphic and Applied Arts	1,168	2.1%	985	1.7%	(183)	-15.7%
Home Economics	2,889	5.3%	2,220	3.8%	(669)	-23.2%
Industrial	8,977	16.5%	6,090	10.5%	(2,887)	-32.2%
Service and Health	7,008	12.8%	7,195	12.4%	187	2.7%
Technical	2,245	4.1%	3,191	5.5%	946	42.1%
Television	28	0.1%	54.6	0.1%	26.6	95.0%
General Education	17,983	33.0%	22,085	38.1%	4,102	22.8%
TOTAL	54,550	100.0%	57,893	100.0%	3,343	6.1%

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Source: 1979-80 and 1988-89 State VTAE Cost Allocation

GRAPH 3 FTE BY INSTRUCTIONAL DIVISION 1979-80 to 1988-89



1. General Education generated more FTEs 22,085 in 1988-89 (38% of total) than any other division. Business with 15,134 in 1988-89 produced 26% of total FTEs and is second highest. General Education and Business FTEs have increased 23% and 16% respectively from 1979-80 to 1988-89.
2. The Technical division FTEs had the highest percentage increase (42%) Television excepted. Technical FTEs increased from 2,245 in 1979-80 to 3,191 in 1988-89.
3. Four divisions decreased in FTE from 1979-80 to 1988-89: Agriculture 20%, Graphics 16%, Home Economics 23%, and Industrial 32%.
4. Direct Instructional Costs for the Technical division increased 171% as compared to total instructional costs of 130% for all divisions.
5. Costs (130%) and Cost/FTE (117%) increased at a faster rate than FTEs over the thirteen-year period from 1979-80 to 1988-89. FTEs have increased 6% to 1988-89.

III. ANALYSIS OF VTAE GRADUATES 1975-76 TO 1988-89

Tables 3 and Graph 4 show trends in graduates from 1975-76 to 1988-89. Some trends are as follows:

1. The number of graduates has increased in seven years and decreased in six years over the thirteen-year period. The largest percentage change was a 12% increase in 1978-79 and 1980-81. The largest decrease was 10.7% in 1984-85. This also represents the largest change in numbers from 16,622 graduates in 1983-84 to 14,844 in 1984-85 (-1,778).
2. The proportion of graduates by aid category to total has been changing from 1975-76 to 1988-89.
 - a. Associate Degree increased from 38.8% (4,373) of total graduates to 51.1% (6,952).
 - b. Two-year and one-year diploma decreased from 6.0% (676) to 4.8% (658) and 43.0% (4,847) to 26.4% (3,600), respectively.
 - c. Short-term graduates increased from 12.2% (1,376) to 17.7% (2,408) of total in 1988-89, but peaked in 1981-82 at 17.8% (2,763) of total.

TABLE 9

NUMBER OF STATE VTAE GRADUATES BY AID CATEGORY*
1975-76 to 1988-89

Year	10 Associate Degree		32 2-Year Diploma		31 1-Year Diploma		30 Short Term		Total Graduated #	Change Each Year Total Graduated %
	#	%	#	%	#	%	#	%		
1975-76	4,373	38.8%	676	6.0%	4,847	43.0%	1,376	12.2%	11,272	-
1976-77	4,627	39.3%	642	5.2%	4,946	40.3%	1,859	15.1%	12,274	8.9%
1977-78	4,810	41.5%	589	5.1%	4,769	41.2%	1,415	12.2%	11,583	-5.6%
1978-79	5,454	42.0%	644	5.0%	5,133	39.6%	1,745	13.4%	12,976	12.0%
1979-80	5,242	41.5%	606	4.8%	4,735	37.5%	2,044	16.2%	12,627	-2.7%
1980-81	5,701	40.3%	670	4.7%	5,293	37.4%	2,482	17.5%	14,146	12.0%
1981-82	6,393	41.1%	712	4.6%	5,669	36.5%	2,763	17.8%	15,537	9.8%
1982-83	6,952	43.2%	764	4.7%	5,864	36.4%	2,531	15.7%	16,111	3.7%
1983-84	7,548	45.4%	815	4.9%	5,676	34.1%	2,583	15.5%	16,622	3.2%
1984-85	7,083	47.7%	662	4.5%	4,724	31.8%	2,375	16.0%	14,844	-10.7%
1985-86	7,038	48.5%	679	4.7%	4,629	31.9%	2,157	14.9%	14,503	-2.3%
1986-87	7,200	49.3%	726	5.0%	4,244	29.1%	2,421	16.6%	14,591	0.6%
1987-88	6,834	49.5%	712	5.2%	3,930	28.5%	2,328	16.9%	13,804	-5.4%
1988-89	6,952	51.1%	658	4.8%	3,600	26.4%	2,408	17.7%	13,618	-1.3%

*Does not include Apprentices, JTPA (CETA) completers, or Associate in Arts.

GRAPH 4 NUMBER OF VTAE GRADUATES 1976-89

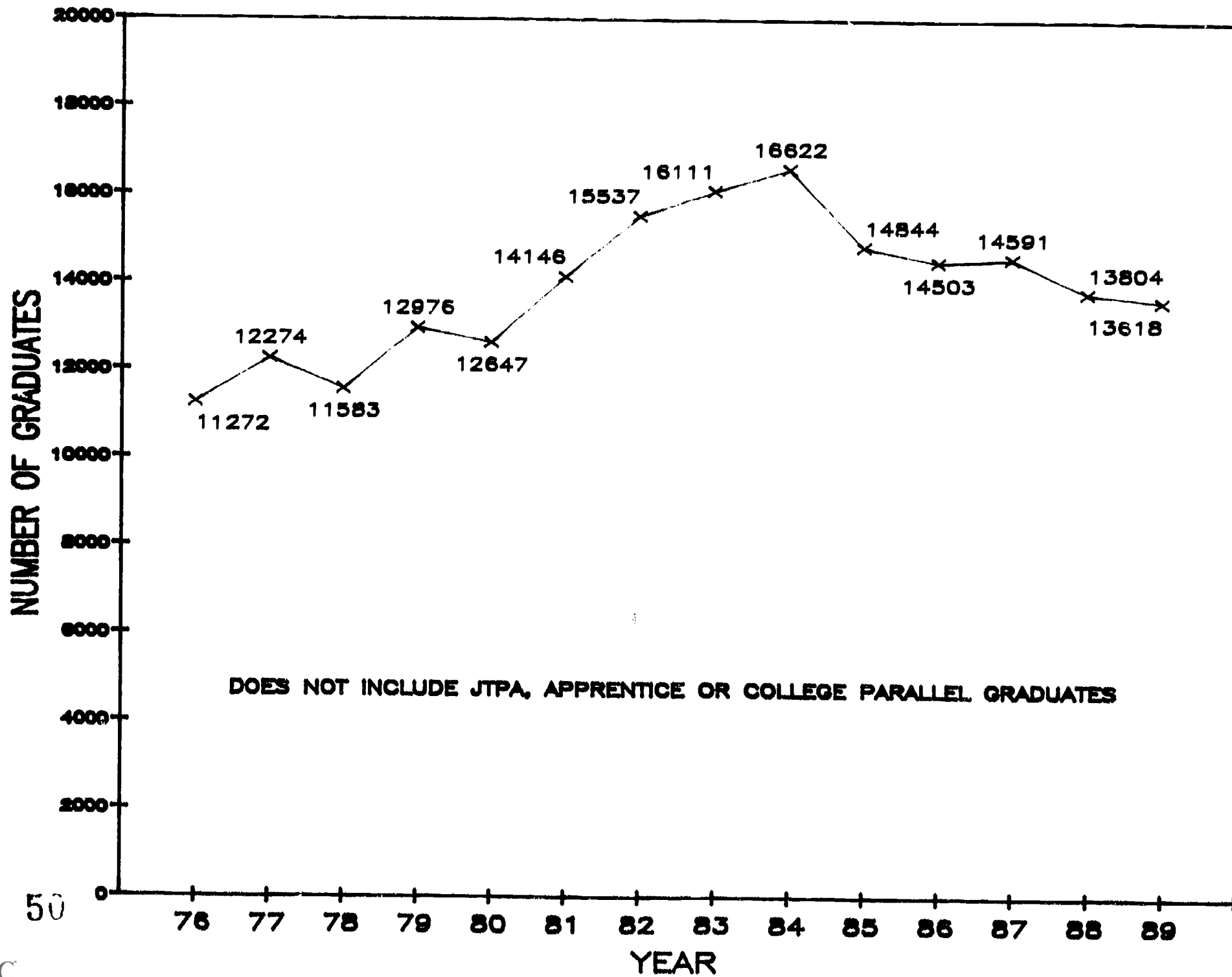


Table 10 shows the trends from 1975-76 to 1988-89 of programs with more than 100 graduates per year. Some highlights are as follows:

1. The 39 programs with 100 or more graduates at any time over the 13-year period represent 13% of the 289 degree, diploma, or certificate programs with graduates in 1988-89. These 39 programs contributed 64% of the total 13,618 graduates in 1988-89. The 39 programs had more than 60% of the total graduates in most years since 1974-75.
2. The Business Division produces more graduates from programs with more than 100 graduates than any other division (3,106 in 1988-89).
3. The Nursing Assistant program produces more graduates than any other individual program, 1,350 in 1988-89. This one program produced more graduates in 1988-89 than the 113 new programs started since 1980 in the VTAE System (963 graduates).

TABLE 10

NUMBER OF GRADUATES IN PROGRAMS WITH MORE THAN 100 GRADUATES PER YEAR
1975-76 TO 1988-89

Rank 88-89	Division/Program	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89
AGRICULTURE															
1	Farm Training 30-090-1	28	33	45	104	142	187	196	178	288	424	319	329	354	278
		28	33	45	104	142	187	196	178	288	424	319	329	354	278
BUSINESS															
1	Accounting 10-101-1	579	665	594	608	649	732	760	895	935	843	881	990	820	796
2	Marketing 10-104-3	285	310	302	384	370	444	460	476	534	445	516	486	427	464
3	Data Processing 10-107-1	158	193	214	230	270	336	437	514	662	598	520	437	354	334
4	Secretarial Science 10-106-2	232	207	195	233	242	244	218	279	322	288	291	361	248	247
5	Adm Asst Infor Processing 10-106-7	-	-	-	-	3	4	11	31	77	96	132	150	211	213
6	Accounting Assistant 31-101-1	176	180	196	226	213	207	278	235	269	261	285	249	252	207
7	Office Assistant 31-106-1	271	209	287	315	283	321	314	313	350	321	356	332	232	185
8	Word Processing Specialist 31-103-5	-	-	-	-	-	4	43	93	105	139	168	163	166	169
9	Business Mid Management 10-102-3	37	50	51	47	43	43	52	67	62	91	109	114	136	154
10	Fashion Merchandise 10-104-4	120	144	117	146	135	128	154	136	146	125	130	123	126	148
11	Supervisors Management 10-196-1	-	-	-	-	20	27	29	47	76	79	76	79	103	105
12	Data Entry Operations 31-107-4	-	-	58	93	75	28	30	83	102	97	44	78	102	84
		1,858	1,958	2,014	2,282	2,303	2,518	2,786	3,169	3,640	3,383	3,508	3,471	3,177	3,106

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Table 10 (Continued)

Number of Graduates in Programs with More than 100 Graduates Per Year
1975-76 to 1988-89

Rank 88-89	Division/Program	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89
INDUSTRIAL															
1	Auto Mechanics 32-404-2	169	132	150	136	117	137	138	142	165	158	159	186	195	155
2	Auto Body 31-404-1	195	186	201	150	175	154	195	183	221	202	206	217	178	140
3	Welding 31-442-1	317	269	329	303	290	389	383	379	290	216	195	185	147	138
4	Machine Tool Technics 32-420-5	35	52	44	35	47	78	84	83	98	86	87	122	109	129
5	Machine Tool 31-420-1	177	168	159	176	189	280	306	319	255	225	210	170	165	121
6	Tr: Driving 31-435-1	79	115	90	149	144	111	121	97	93	105	111	109	142	117
7	Wood Technics 31-410-2	100	98	118	125	119	156	137	128	112	72	88	82	86	81
8	Auto Servicing 31-404-3	199	156	134	225	138	161	175	175	158	151	140	128	86	66
9	Drafting-Mechanical 31-421-1, 2	117	98	127	143	142	162	173	162	132	80	55	69	41	33
		1,388	1,294	1,352	1,453	1,361	1,620	1,712	1,668	1,524	1,295	1,251	1,268	1,149	980
HEALTH															
1	Nursing Assistant 30-510-1	863	1,244	946	1,013	1,158	1,523	1,706	1,504	1,421	1,259	1,101	1,349	1,158	1,350
2	Nursing 10-510-1	287	391	392	430	500	526	619	721	866	771	750	688	674	634
3	Medical Assistant 30-509-1	225	222	224	249	197	214	199	227	206	171	174	177	187	224
4	Ward Clerk 30-510-2	157	175	174	200	186	229	264	277	243	160	125	136	143	147

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Table 10 (Continued)

Number of Graduates in Programs with More than 100 Graduates Per Year
1975-76 to 1988-89

Rank 88-89	Division/Program	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89
HEALTH (Continued)															
5	Dental Assistant 31-508-1	131	156	156	194	172	139	180	196	178	154	156	161	146	125
6	LPN 31-510-1	960	941	818	909	753	777	822	801	767	448	237	137	132	119
7	Surgical Technical 31-512-1	133	143	133	123	122	130	152	153	157	129	237	103	118	104
		2,756	3,272	2,843	3,118	3,088	3,538	3,942	3,879	3,838	3,092	2,780	2,751	2,558	2,703
SERVICE															
1	Police Science 10-504-1	313	319	323	292	222	236	218	277	305	303	303	370	377	346
2	Barber/Cosmetology 31-502-1	95	139	143	152	167	181	211	203	232	207	190	173	169	157
3	Child Care Service 31-307-1	111	123	127	108	129	161	154	132	141	139	148	145	132	130
4	Basic Police Recruit School 30-504-1	-	-	-	10	60	76	70	75	129	110	89	105	130	99
5	Restaurant & Hotel Cookery 10-511-1	84	82	72	76	66	54	78	101	89	95	87	110	92	86
		603	663	665	638	644	708	731	788	896	854	817	903	900	818
TECHNICAL															
1	Electronics 10-605-1	241	234	219	223	219	287	309	369	397	333	357	327	274	267
2	Mechanical Design 10-606-1	145	176	177	162	162	204	235	241	222	179	169	205	214	222
3	Electro Mechanical 10-620-1	0	0	0	0	13	25	44	51	70	122	160	192	178	143
4	Electronics Computer 10-603-3	16	19	14	24	23	32	60	61	96	134	123	127	107	58
		402	429	410	409	417	548	642	722	785	768	809	851	773	728

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Table 10 (Continued)

Number of Graduates in Programs with More than 100 Graduates Per Year
1975-76 to 1988-89

Rank 88-89	Division/Program	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86	86-87	87-88	88-89
	GRAPHICS														
1	Commercial Art 10-201-1	122	120	98	124	124	114	138	137	131	127	120	107	103	118
		122	120	98	124	124	114	138	137	131	127	120	107	103	118
	GRAND TOTALS	7,157	7,769	7,427	8,128	8,079	9,241	10,153	10,541	11,102	9,943	9,604	9,680	9,014	8,731
	% of Total Graduates by Year	59%	59%	60%	62%	63%	64%	65%	65%	66%	66%	65%	65%	65%	64%

The top ten programs in the VTAE System in respect to number of graduates in 1987-88 and 1988-89 were:

TOP TEN PROGRAMS IN RANK ORDER BY NUMBER OF GRADUATES
1987-88 AND 1988-89

1988-89 Rank	Graduates	No. of Graduates	1987-88 Rank	Graduates	No. of Graduates
1	30-510-1 Nursing Assistant	1,350	1	30-510-1 Nursing Assistant	1,158
2	10-101-1 Accounting	796	2	10-101-1 Accounting	820
3	10-510-1 Nursing	634	3	10-510-1 Nursing	674
4	10-104-3 Marketing	464	4	10-104-3 Marketing	427
5	10-504-1 Police Science	346	5	10-504-1 Police Science	377
6	10-107-1 Data Processing	334	6	10-107-1 Data Processing	354
7	30-090-1 Farm Training	278	7	30-090-1 Farm Training	354
8	10-605-1 Electronics	267	8	10-605-1 Electronics	274
9	10-106-2 Adm Asst-Sec	247	9	31-101-1 Account Clerk	252
10	31-509-1 Medical Assistant	224	10	10-106-2 Secretarial Sci	248
		-----			-----
		4,940			4,938
		34% of Total Graduates			34% of Total Graduates
		14,556			14,680

Table 11 shows total 1987-88 and 1988-89 graduates and includes JTPA, Apprentice, and College Parallel. These graduates have not been shown in the past in state graduation totals. The 723 graduates in 1987-88 of these programs represent 4.9% of total graduates and 727 or 5.1% of graduates in 1988-89 and should be included in state reports of graduates.

More than one-half (6,952) of all VTAE graduates in 1988-89 are from associate degree programs.

TABLE 11

GRADUATES AND NUMBER OF PROGRAMS WITH GRADUATES
1987-88 AND 1988-89

Program	1988-89		1987-88		1988-89		1987-88	
	No. of Programs	% of Total	No. of Programs	% of Total	No. of Graduates	% of Total	No. of Graduates	% of Total
Associate Degree	140	47.6%	137	47.4%	6,952	51.1%	6,834	49.5%
Short-Term Certificate	38	12.9%	34	11.8%	2,408	17.7%	2,328	16.9%
One-Year Diploma	97	33.0%	99	34.3%	3,600	26.4%	3,930	28.5%
Two-Year Diploma	19	6.5%	19	6.6%	658	4.8%	712	5.2%
	294	100.0%	289	100.0%	13,618	100.0%	13,804	100.0%

		% of Grand Total		% of Grand Total		% of Grand Total		% of Grand Total
JTPA	2	0.6%	2	0.6%	92	0.6%	72	0.5%
Apprentice	41	12.1%	44	13.1%	495	3.5%	500	3.4%
Associate in Arts (College Parallel)	1	0.3%	1	0.3%	140	1.0%	151	1.0%
	44	13.0%	47	14.0%	727	5.1%	723	4.9%
GRAND TOTAL	338		336		14,345		14,527	

MATC-Milwaukee Adult High School graduated 123 in 1988-89 and 157 in 1987-88 which are not included in the totals above. In 1988-89 an additional 85 students who attended MATC graduated from their home high schools.

The top ten Apprentice trade areas in terms of number of graduates in 1987-88 and 1988-89 are:

Rank 1988-89	Area	No. of Graduates 1988-89	Rank 1987-88	Area	No. of Graduates 1987-88
1	Electrical (Constr)	132 (4 programs)	1	Electrical	106 (4 programs)
2	Operating Engineer	50 (1 program)	2	Carpentry	55 (2 programs)
3	Tool and Die	36 (3 programs)	3	Barbering	41 (2 programs)
4	Sheet Metal (Constr)	34 (2 programs)	4	Millwright	38 (1 program)
5	Carpentry	32 (2 programs)	5	Sheet Metal	35 (2 programs)
6	Millwright	31 (1 program)	6	Tool Maker	35 (1 program)
7	Barber/Cosmetologist	29 (3 programs)	7	Machine Trades	34 (3 programs)
8	Steamfitting	26 (2 programs)	8	Pipefitting	26 (1 program)
9	Environmental Service	21 (1 program)	9	Plumbing	16 (2 programs)
10	Machinist	18 (1 program)	10	Environmental Ser	16 (1 program)
	TOTAL	409 (83% of 495 Apprentice Graduates in 1988-89)			402 (80% of 500 Apprentice Graduates in 1987-88)

PROGRAM GRADUATES

There are 338 programs with graduates with the following number of districts producing graduates.

<u>Districts Having Graduates</u>	<u>No. of Programs</u>	<u>Programs</u>
All 16	3 (.9%)	10 Accounting 10 Marketing 10 Mechanical Design Technician
15	2 (.6%)	10 Administrative Assistant - Secretarial 31 Auto Body
14	5 (1.5%)	10 Nursing 10 Data Processing 10 Supervisors Management 30 Nursing Assistant 31 Office Assistant
13	1 (.3%)	10 Electronics
12	3 (.9%)	10 Police Science 10 Marketing-Fashion Merchandising 32 Automotive Mechanics
11	4 (1.2%)	10 Electro-Mechanical Technology 30 Farm Management 31 Accounting Assistant 31 Welding
10	2 (.6%)	10 Industrial Engineering Technician 31 Medical Assistant
Total 10 or more Districts	20 (5.9%)	
Total less than 10 Districts	318 (94.1%)	
Total with 1 District Offering Program (unique programs to a district)	<u>190 (56.2%)</u>	

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
PROGRAM SYSTEM (VE701520A)
GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

FISCAL YEAR=1988-89

No. of
Dist.
with
Grads

PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17	
1. 30-510-1	NURSING ASSISTANT	1,350	102	158	99	30	93	0	0	140	51	108	91	95	43	114	23	203	14
2. 10-101-1	ACCOUNTING	796	66	39	22	109	24	53	45	90	55	48	70	53	25	32	8	57	16
3. 10-510-1	NURSING-TECHNICAL	634	43	51	23	63	37	52	39	112	31	17	45	41	0	44	0	36	14
4. 10-104-3	MARKETING	464	36	25	11	73	16	26	38	37	19	41	47	25	12	27	5	26	16
5. 10-504-1	POLICE SCIENCE	346	35	32	0	44	19	12	21	61	8	6	42	40	0	26	0	0	12
6. 10-107-1	DATA PROCESSING	334	35	16	4	68	18	19	10	58	0	8	21	20	17	32	0	8	14
7. 30-090-1	FARM BS. AND PRODUCTION MGMT.	278	45	12	27	31	10	5	0	0	4	0	34	41	0	25	0	44	11
8. 10-605-1	ELECTRONICS	267	31	8	0	40	9	9	55	34	0	4	26	4	15	19	0	13	13
9. 10-106-2	ADMIN. ASST. - SECRETARIAL	247	9	0	3	18	7	22	40	19	14	11	10	23	6	12	3	50	15
10. 31-509-1	MEDICAL ASSISTANT	224	0	18	0	25	17	19	27	16	0	19	0	37	33	0	0	17	10
11. 10-606-1	MECHANICAL DESIGN TECHNICIAN	222	12	17	10	14	13	5	16	18	25	6	33	24	9	7	3	10	16
12. 10-106-7	ADMIN ASST - INFO PROCESSING	213	36	24	0	22	0	34	0	47	0	12	32	0	0	0	6	0	8
13. 31-101-1	ACCOUNTING ASSISTANT	207	29	0	0	25	13	29	9	0	17	0	1	40	27	15	2	0	11
14. 31-106-1	OFFICE ASSISTANT	185	4	18	11	40	3	19	5	7	23	0	5	12	27	10	1	0	14
15. 31-103-5	WORD PROCESSOR SPECIALIST	169	0	0	15	0	10	8	0	21	0	7	0	25	33	0	0	49	8
16. 31-502-1	BARBER/COSMETOLOGIST	157	0	0	5	0	0	19	0	40	33	0	0	9	9	0	15	27	8
17. 32-404-2	AUTOMOTIVE MECHANICS	155	9	17	16	29	9	2	0	0	10	0	0	24	3	7	3	26	12
18. 10-102-3	BUSINESS MID-MANAGEMENT	154	0	0	0	38	0	0	0	107	0	0	0	0	0	0	9	0	3
19. 10-104-4	MARKETING-FASHION MERCHANDISING	148	17	17	2	11	7	4	30	12	7	0	15	11	0	0	0	15	12
20. 30-510-2	HEALTH UNIT CLERK	147	0	27	10	0	11	20	27	30	0	0	0	22	0	0	0	0	7
21. 10-620-1	ELECTRO-MECHANICAL TECHNOLOGY	143	31	7	14	0	5	9	0	2	21	11	12	16	0	15	0	0	11
22. 20-800-1	COLLEGE PARALLEL	140	0	0	0	42	0	0	0	85	0	0	0	0	0	0	13	0	3
23. 31-404-1	AUTO BODY	140	18	5	8	7	6	3	9	21	9	5	8	15	5	9	0	12	15
24. 31-442-1	WELDING	138	13	11	5	12	12	0	1	15	0	0	0	23	14	15	0	17	11
25. 31-307-1	CHILD CARE SERVICES	130	25	0	4	0	18	0	20	10	14	16	0	0	14	0	0	9	9

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701520A)
 GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

FISCAL YEAR=1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	D I S T R I C T																	No. of Dist. with Grads
				01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17		
26.	32-420-5	MACHINE TOOLING TECHNICIS	129	17	19	0	18	0	0	9	0	(34)	0	0	11	0	12	1	8	9	
27.	31-508-1	DENTAL ASSISTANT	125	0	16	0	13	6	15	0	13	0	14	(30)	18	0	0	0	0	8	
28.	31-420-1	MACHINE TOOL OPERATION	121	0	0	11	0	11	5	7	12	0	17	0	(32)	0	9	0	17	9	
29.	31-510-1	PRACTICAL NURSING	119	0	0	11	(41)	0	0	0	27	28	0	0	12	0	0	0	0	5	
30.	10-201-1	COMMERCIAL ART	118	0	25	0	(49)	0	0	0	44	0	0	0	0	0	0	0	0	3	
31.	30-458-1	TRUCK DRIVING	117	25	0	0	0	0	0	0	0	0	0	(92)	0	0	0	0	0	2	
32.	10-196-1	SUPERVISORS MANAGEMENT	105	4	6	0	9	4	4	8	8	(13)	9	10	10	2	5	0	(13)	14	
33.	31-512-1	SURGICAL TECHNICIAN	104	0	10	0	11	0	9	9	(20)	0	0	0	15	16	14	0	0	8	
34.	30-504-1	BASIC POLICE RECRUIT SCHOOL	99	(63)	0	0	0	0	0	1	0	5	0	0	0	0	30	0	0	4	
35.	10-605-3	ELECTRONICS-COMPUTER	96	0	0	0	0	0	22	0	(37)	11	0	0	0	13	0	0	13	5	
36.	31-101-2	MICROCOMPUTER ACCOUNTING ASST.	93	0	0	26	0	0	0	0	0	0	0	15	0	0	0	3	(49)	4	
37.	10-304-1	INTERIOR DESIGN	91	0	7	0	23	0	6	0	27	0	0	(28)	0	0	0	0	0	5	
38.	10-110-1	LEGAL ASSISTANT	89	29	0	0	0	0	0	0	(31)	0	24	0	5	0	0	0	0	4	
39.	10-511-1	RESTAURANT AND HOTEL COOKERY	86	9	0	0	20	3	0	0	(41)	7	0	6	0	0	0	0	0	6	
40.	39-105-1	DATA ENTRY OPERATOR	86	0	0	0	0	0	0	0	(86)	0	0	0	0	0	0	0	0	1	
41.	31-107-4	DATA ENTRY OPERATIONS	84	24	0	21	9	0	0	0	0	0	0	0	(30)	0	0	0	0	4	
42.	31-410-2	WOOD TECHNICIS	81	18	14	0	6	0	0	0	0	0	0	11	(31)	1	0	0	0	6	
43.	10-520-3	HUMAN SERVICES ASSOCIATE	77	0	0	0	16	0	11	0	(50)	0	0	0	0	0	0	0	0	3	
44.	30-542-1	HOMEMAKER/HOME HEALTH AIDE	72	0	(72)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
45.	30-109-2	TRAVEL AGENT	70	0	0	0	0	0	(36)	0	24	0	0	0	0	10	0	0	0	3	
46.	10-524-1	PHYSICAL THERAPIST ASSISTANT	69	0	0	0	0	10	0	0	(32)	0	0	0	27	0	0	0	0	3	
47.	10-106-4	MEDICAL SECRETARY	67	0	16	0	10	0	0	0	4	12	5	0	0	0	(20)	0	0	6	
48.	10-307-1	CHILD CARE AND DEVELOPMENT	67	0	11	8	0	0	0	0	22	0	0	(26)	0	0	0	0	0	4	
49.	32-412-1	DIESEL AND HEAVY EQUIP MECHANICS	66	11	(24)	0	22	0	0	0	0	0	0	0	0	9	0	0	0	4	
50.	31-404-3	AUTOMOTIVE SERVICING	66	0	0	0	2	0	8	9	(35)	0	7	0	5	0	0	0	0	6	



WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701520A)
 GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

3

FISCAL YEAR-1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	D I S T R I C T																	No. of Dist. with Grads
				01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17		
51.	10-109-2	HOSPITALITY MANAGEMENT	65	12	0	0	(22)	0	0	17	0	0	0	5	0	0	0	6	3	6	
52.	10-514-1	OCCUPATIONAL THERAPY TECHNICIAN	65	0	0	0	27	0	0	0	10	0	(28)	0	0	0	0	0	0	3	
53.	31-103-1	OFFICE ASSISTANT	65	0	0	0	0	0	0	0	0	0	16	0	0	0	0	4	(45)	3	
54.	32-402-1	AIRFRAME & POWERPLANT MECHANICS	60	0	0	0	0	28	(32)	0	0	0	0	0	0	0	0	0	0	2	
55.	10-508-1	DENTAL HYGIENIST	59	0	0	0	(20)	0	0	16	0	0	0	13	0	10	0	0	4		
56.	31-106-2	CLERK TYPIST-MEDICAL	59	(48)	0	0	0	11	0	0	0	0	0	0	0	0	0	0	2		
57.	31-461-1	SMALL ENGINE AND CHASSIS MECH	59	(14)	8	0	11	0	1	2	4	0	8	0	0	0	0	1	10	9	
58.	10-102-2	FINANCE	58	0	18	10	(23)	0	0	0	0	0	0	0	0	0	0	0	7	4	
59.	31-107-3	OFFICE COMPUTER SPECIALIST	58	0	(58)	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
60.	31-204-1	PRINTING	58	0	9	0	(15)	0	0	0	10	0	(15)	9	0	0	0	0	5		
61.	50-413-3	ELECTRICAL CONSTRUCTION (TECH)	58	0	0	0	0	0	0	0	(58)	0	0	0	0	0	0	0	1		
62.	31-413-2	ELECTRICAL POWER DISTRIBUTION	57	(30)	0	0	0	0	0	0	0	14	0	0	13	0	0	0	3		
63.	10-106-3	LEGAL SECRETARY	56	0	5	4	0	8	0	0	12	7	0	0	0	(20)	0	0	6		
64.	31-414-1	ELECTRONIC SERVICING	55	0	(16)	14	5	0	12	0	0	0	0	0	0	0	0	0	8	5	
65.	31-412-1	DIESEL EQUIPMENT MECHANIC	54	0	0	0	0	13	0	0	0	0	19	(22)	0	0	0	0	3		
66.	10-515-1	RESPIRATORY THERAPIST	53	0	0	0	(18)	0	0	0	15	0	0	10	10	0	0	0	4		
67.	10-513-1	MEDICAL LABORATORY TECHNICIAN	52	14	10	0	(16)	0	0	0	12	0	0	0	0	0	0	0	4		
68.	10-623-1	INDUSTRIAL ENGINEERING TECHNIC	51	1	1	0	0	4	3	4	(14)	13	3	3	0	0	5	0	10		
69.	50-447-1	OPERATING ENGINEER	50	0	0	0	0	0	0	0	0	0	(50)	0	0	0	0	0	1		
70.	10-601-1	AIR CONDITIONING	48	11	17	0	0	0	0	0	(20)	0	0	0	0	0	0	0	3		
71.	31-413-1	ELECTRICITY	48	0	0	0	0	0	0	0	18	0	0	(30)	0	0	0	0	2		
72.	31-303-3	FOOD PREPARATION ASSISTANT	47	8	0	2	9	0	0	(14)	7	0	0	3	0	0	0	4	7		
73.	10-530-1	MEDICAL RECORD TECHNICIAN	46	(24)	13	0	0	0	0	0	0	9	0	0	0	0	0	0	3		
74.	32-420-1	MACHINE TOOL OPERATION	46	0	0	0	0	0	0	0	0	0	0	9	0	15	0	(22)	3		
75.	10-526-1	RADIOGRAPHY	44	(12)	9	0	10	0	0	0	5	0	0	0	0	0	8	0	5		

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701520A)
 GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

FISCAL YEAR=1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	D I S T R I C T																	No. of Dist. with Grads
				01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17		
76.	32-414-1	ELECTRONIC SERVCING	43	(18)	0	0	0	0	0	10	4	0	11	0	0	0	0	0	0	4	
77.	31-106-8	INFO. PROCESSING SPECIALIST	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(43)	0	0	1
78.	10-614-1	ARCHITECTURAL	42	0	0	0	(18)	0	0	0	9	0	0	0	15	0	0	0	0	0	3
79.	10-091-1	ANIMAL TECHNOLOGY	41	0	0	0	(41)	0	0	0	0	0	0	0	0	0	0	0	0	0	1
80.	10-203-1	PHOTOGRAPHY	38	0	0	0	18	0	0	0	(20)	0	0	0	0	0	0	0	0	0	2
81.	10-204-2	PRINTING & PUBLISHING-OPERATIONS	38	0	0	0	0	0	0	0	(38)	0	0	0	0	0	0	0	0	0	1
82.	10-518-1	FOOD SERVICE MANAGEMENT	38	0	8	(10)	0	0	8	0	0	0	0	9	0	0	0	0	0	3	5
83.	31-404-9	PARTS SPECIALIST	38	0	0	0	0	0	0	0	0	0	11	13	0	(14)	0	0	0	0	3
84.	10-107-2	DATA PROCESSING/COMPUTER OPER.	37	0	0	0	(15)	0	0	0	0	14	0	0	0	0	0	8	0	0	3
85.	31-401-1	REFRIGERATION SERVICING	37	18	(19)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
86.	10-194-2	MARKETING-MATERIALS MANAGEMENT	35	(18)	0	0	0	0	4	0	2	0	11	0	0	0	0	0	0	0	4
87.	50-413-2	ELECTRICITY (CONSTRUCTION)	35	7	1	0	0	0	(9)	0	0	0	0	(9)	0	0	(9)	0	0	0	5
88.	10-102-6	BANKING & FINANCIAL SERVICES	34	0	0	0	0	0	0	0	(22)	0	0	12	0	0	0	0	0	0	2
89.	10-102-7	BUSINESS ADMINISTRATION PERSONEL	34	0	(17)	0	0	2	0	0	0	0	0	0	15	0	0	0	0	0	3
90.	10-503-2	FIRE PROTECTION TECHNICIAN	34	0	0	0	11	0	0	0	0	0	0	(23)	0	0	0	0	0	0	2
91.	31-105-1	FINANCIAL SERVICES ASSISTANT	34	(25)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2
92.	10-107-5	MICROCOMPUTER APPLICATIONS ANLST	33	0	0	0	0	0	0	0	0	0	15	(18)	0	0	0	0	0	0	2
93.	31-421-2	MECHANICAL & COMPUTER DRAFTING	33	0	0	0	0	0	5	(13)	7	0	0	0	0	0	0	0	8	0	4
94.	10-206-1	VISUAL COMMUNICATION	32	0	15	0	(17)	0	0	0	0	0	0	0	0	0	0	0	0	0	2
95.	30-401-1	AIR COND REF & HEATING	32	0	0	0	0	0	0	0	(32)	0	0	0	0	0	0	0	0	0	1
96.	50-410-1	CARPENTRY (CONSTRUCTION)	32	7	0	0	0	0	5	0	(15)	0	3	2	0	0	0	0	0	0	5
97.	50-432-1	SHEET METAL CONSTRUCTION	32	0	0	0	0	0	8	0	(10)	0	0	9	0	0	5	0	0	0	4
98.	10-607-5	CIVIL ENG. TECH. - STRUCTURAL	31	7	0	0	0	0	2	0	7	(15)	0	0	0	0	0	0	0	0	4
99.	31-091-1	DAIRY HERD MANAGEMENT	31	0	0	10	0	0	0	0	0	0	5	0	0	0	0	0	(16)	0	3
100.	50-423-1	MILLWRIGHT	31	0	0	0	0	0	0	4	2	0	0	(17)	0	0	8	0	0	0	4



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FISCAL YEAR=1988-89

No. of
Dist.
with
Grads

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	DISTRICTS																	No. of Dist. with Grads	
				01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17			
101.	10-622-2	LASER TECHNICIAN	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
102.	50-439-3	TOOL & DIE	30	0	1	0	0	0	4	13	10	0	1	1	0	0	0	0	0	0	0	6
103.	10-104-7	MARKETING-RETAILING	29	0	18	0	0	0	0	6	5	0	0	0	0	0	0	0	0	0	0	3
104.	10-607-8	PUBLIC WORKS TECHNICIAN	29	0	0	0	11	0	0	0	9	0	0	0	9	0	0	0	0	0	0	3
105.	10-057-1	NATURAL RESOURCES TECHNICIAN	28	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	1
106.	10-194-1	REAL ESTATE	28	4	0	0	6	0	0	6	11	0	0	0	0	0	0	0	1	0	0	5
107.	31-107-1	DATA PROCESSING MACH OPERATION	28	0	0	0	0	0	18	10	0	0	0	0	0	0	0	0	0	0	0	2
108.	31-410-1	CARPENTRY	28	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	1
109.	31-445-1	APPLIANCE SERVICING	28	0	0	8	0	0	0	4	5	11	0	0	0	0	0	0	0	0	0	4
110.	10-605-4	INSTRUMENTATION	27	0	0	0	0	0	0	0	0	0	0	0	8	19	0	0	0	0	0	2
111.	31-470-1	PREC INSP & NONDESTRUCT EXAM	27	25	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2
112.	30-001-5	BASIC HORTICULTURE	27	0	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
113.	10-104-1	BUSINESS ADMINISTRATION CREDIT	26	0	0	0	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	1
114.	10-204-1	PRINTING AND PUBLISHING	26	0	11	0	7	0	0	0	0	0	0	8	0	0	0	0	0	0	0	3
115.	30-442-2	WELDING/MAINT. & FABRICATION	26	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	1
116.	31-107-6	COMPUTER OPERATOR	25	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	1
117.	10-109-1	HOTEL-MOTEL MANAGEMENT	24	0	0	0	0	0	9	0	15	0	0	0	0	0	0	0	0	0	0	2
118.	10-111-1	MARKETING-COMMUNICATIONS	24	0	0	0	0	0	0	0	2	0	0	0	22	0	0	0	0	0	0	2
119.	10-605-6	BIO-MEDICAL ELECTRONICS	24	0	9	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	2
120.	32-070-1	AGRICULTURE MECHANICS	24	5	0	8	5	0	0	0	1	0	0	0	0	0	0	0	0	0	5	5
121.	10-104-2	INSURANCE SERVICE ASSOCIATE	23	0	0	0	14	0	0	0	0	0	0	0	0	0	9	0	0	0	0	2
122.	10-504-2	CORRECTIONS SCIENCE	23	0	0	0	0	0	0	0	6	0	0	17	0	0	0	0	0	0	0	2
123.	10-528-1	FUNERAL SERVICE	23	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	1
124.	10-602-1	AUTOMOTIVE TECHNICIAN	23	0	0	0	9	0	5	0	0	0	0	9	0	0	0	0	0	0	0	3
125.	10-602-3	AUTOMOTIVE SERVICING TECHNICIAN	23	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	1

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
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FISCAL YEAR-1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	D I S T R I C T																	No. of Dist. with Grads
				01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17		
126.	10-605-8	ELECTRONICS - TELECOMMUNICATIONS	23	0	0	0	0	0	0	(11)	0	0	0	0	7	0	0	0	5	3	
127.	32-410-2	WOOD TECHNICS	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(22)	1	
128.	32-439-1	TOOL AND DIE MAKING	22	0	0	0	0	0	0	0	(22)	0	0	0	0	0	0	0	0	1	
129.	30-519-1	CUSTODIAL SERVICES	22	0	0	0	(22)	0	0	0	0	0	0	0	0	0	0	0	0	1	
130.	10-065-1	FOOD SCIENCE TECHNICIAN	21	0	0	0	0	6	0	0	0	(15)	0	0	0	0	0	0	0	2	
131.	10-104-9	MARKETING-TRANSPORTATION DIST	21	0	0	0	0	0	1	0	6	0	0	0	(14)	0	0	0	0	3	
132.	31-106-7	MEDICAL TRANSCRIPTION	21	0	0	0	2	0	0	2	0	1	0	0	0	(16)	0	0	0	4	
133.	30-307-1	CHILD DAY CARE	21	0	0	0	0	0	0	0	0	0	0	0	(21)	0	0	0	0	1	
134.	50-401-1	ENVIRONMENTAL SERVICE	21	0	0	0	0	0	0	(21)	0	0	0	0	0	0	0	0	0	1	
135.	50-413-6	ELECTRICAL LINEMAN	21	(21)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
136.	10-612-1	FLUID POWER	20	(13)	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	2	
137.	10-614-3	ARCHITECTURAL-RESIDENTIAL DESIGN	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(20)	0	1	
138.	31-462-2	INDUSTRIAL MECHANIC	20	0	0	0	0	0	5	0	0	0	0	0	(15)	0	0	0	0	2	
139.	10-104-6	MARKETING-INDUSTRIAL	19	0	0	0	0	0	8	0	0	(11)	0	0	0	0	0	0	0	2	
140.	10-605-5	ELECTRICAL POWER ENG. TECHNICIAN	19	0	0	0	0	0	0	0	0	0	(11)	0	0	8	0	0	0	2	
141.	31-536-1	PHARMACY TECHNICAL AIDE	19	0	0	0	0	0	0	0	8	0	(11)	0	0	0	0	0	0	2	
142.	30-518-1	BUTCHER-ALL ROUND-1 SEMESTER	19	0	0	(19)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
143.	10-402-1	AERONAUTICS-PILOT TRAINING	18	0	0	0	0	0	(18)	0	0	0	0	0	0	0	0	0	0	1	
144.	32-204-1	PRINTING	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(18)	0	1	
145.	31-303-6	RETAIL BAKERY PRODUCTION	18	0	0	1	0	0	0	0	(7)	0	5	0	0	0	0	0	5	4	
146.	31-409-1	CABINETMAKING AND MILLWORK	18	0	0	0	0	0	0	0	(18)	0	0	0	0	0	0	0	0	1	
147.	31-410-4	WEATHERIZATION TECHNICS	18	0	0	0	(17)	0	0	0	0	0	0	1	0	0	0	0	0	2	
148.	30-106-1	AUTOMATED BUSINESS SUPPORT SPEC	18	0	0	0	0	0	0	0	(18)	0	0	0	0	0	0	0	0	1	
149.	50-413-1	INDUSTRIAL ELECTRICIAN APPRENT	18	0	3	0	0	0	1	0	(8)	0	1	5	0	0	0	0	0	5	
150.	50-420-2	MACHINIST APPRENTICESHIP	18	0	0	0	0	0	0	3	2	0	5	(8)	0	0	0	0	0	4	

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FISCAL YEAR=1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	FISCAL YEAR=1988-89																	No. of Dist. with Grads
				01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17		
151.	10-109-5	TOURISM RECREATION ASSOCIATE	17	0	0	0	(17)	0	0	0	0	0	0	0	0	0	0	0	0	1	
152.	10-506-1	ENVIRONMENTL & POLLUTN CONT TECH	17	0	0	0	0	0	0	0	(17)	0	0	0	0	0	0	0	0	1	
153.	10-603-2	PAPER & PULP CHEMICAL TECHNOLOGY	17	0	0	0	0	0	0	0	0	0	(17)	0	0	0	0	0	0	1	
154.	31-402-2	AIRFRAME MECHANIC	17	0	0	0	0	0	0	0	(17)	0	0	0	0	0	0	0	0	1	
155.	31-412-3	COMBUSTION ENGINE	17	0	0	0	0	0	0	0	(17)	0	0	0	0	0	0	0	0	1	
156.	31-440-1	UPHOLSTERY	17	0	0	0	0	0	4	0	(13)	0	0	0	0	0	0	0	0	1	
157.	31-441-1	JEWELRY SERVICE AND SALES	17	0	0	0	0	0	0	0	8	0	0	0	(9)	0	0	0	0	2	
158.	32-404-1	AUTO BODY	16	0	0	0	(16)	0	0	0	0	0	0	0	0	0	0	0	0	1	
159.	31-301-3	ALTERATIONIST	16	0	0	0	0	0	0	0	(16)	0	0	0	0	0	0	0	0	1	
160.	50-501-1	BARBERING	16	5	0	0	0	0	0	1	(10)	0	0	0	0	0	0	0	0	3	
161.	10-106-1	COURT AND CONFERENCE REPORTING	15	0	0	0	4	0	(8)	0	0	0	2	0	0	0	0	0	0	4	
162.	10-503-1	FIRE SCIENCE	15	0	0	0	0	0	5	0	(9)	0	1	0	0	0	0	0	0	3	
163.	10-602-2	ENGINE TECHNOLOGY	15	0	0	0	0	0	0	0	0	(15)	0	0	0	0	0	0	0	1	
164.	32-301-1	TAILOR	15	0	0	0	0	0	0	0	(15)	0	0	0	0	0	0	0	0	1	
165.	31-419-1	FLUID POWER MAINTENANCE	15	0	0	0	0	0	0	0	2	0	0	(13)	0	0	0	0	0	2	
166.	10-533-1	EDUCATIONAL INTERPRETER TECH	14	0	0	0	0	0	0	0	0	0	0	0	0	0	(14)	0	0	1	
167.	10-628-3	AUTOMATED MFG. SYSTEMS TECH.	14	0	0	0	0	0	0	0	0	0	0	(14)	0	0	0	0	0	1	
168.	32-001-1	HORTICULTURE-ORNAMENTAL	14	0	0	0	0	0	0	0	(14)	0	0	0	0	0	0	0	0	1	
169.	31-070-1	AG DIESEL POWER MECHANIC	14	0	0	0	0	0	0	0	0	(14)	0	0	0	0	0	0	0	1	
170.	31-304-2	INTERIOR DESIGN ASSISTANT	14	0	0	0	0	0	0	(9)	5	0	0	0	0	0	0	0	0	2	
171.	31-454-1	PACKAGING MACHINERY SERVICEMAN	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(14)	1	
172.	31-515-1	RESPIRATORY THERAPY TECHNICIAN	14	0	(14)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
173.	10-306-1	DIETETIC TECHNICIAN	13	0	0	0	6	0	0	0	(7)	0	0	0	0	0	0	0	0	2	
174.	10-623-2	QUALITY ASSURANCE TECHNICIAN	13	0	0	0	0	0	1	1	0	0	0	0	4	(7)	0	0	0	4	
175.	10-628-2	COMPUTER INTEGRATED MFG TECH	13	0	0	0	0	0	0	0	0	(13)	0	0	0	0	0	0	0	1	

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701520A)
 GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

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FISCAL YEAR=1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	D I S T R I C T																	No. of Dist. with Grads	
				01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17			
176.	31-421-1	DRAFTING-MECHANICAL	13	(12)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
177.	31-450-1	OFFICE MACHINE REPAIR	13	0	0	0	0	5	0	0	0	(8)	0	0	0	0	0	0	0	0	0	2
178.	31-460-3	MACHINE REPAIR	13	0	0	0	0	0	0	0	0	(13)	0	0	0	0	0	0	0	0	0	1
179.	31-510-2	HEALTH UNIT COORDINATOR	13	0	0	0	0	0	0	0	0	0	0	0	(13)	0	0	0	0	0	0	1
180.	31-516-1	OPTOMETRIC ASSISTANT	13	0	0	0	0	0	0	0	0	(13)	0	0	0	0	0	0	0	0	0	1
181.	50-435-2	STEAMFITTING	13	0	0	0	0	0	0	0	(9)	0	0	4	0	0	0	0	0	0	0	2
182.	50-435-4	STEAMFITTING SERVICE	13	0	0	0	0	0	0	0	(13)	0	0	0	0	0	0	0	0	0	0	1
183.	10-107-4	INFORMATION SYSTEMS MANAGEMENT	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12)	1
184.	10-443-1	FACILITY SYSTEMS TECHNICIAN	12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	(11)	2
185.	10-503-4	HAZARDOUS MATERIAL HANDLING TECH	12	0	0	0	0	0	0	0	0	(12)	0	0	0	0	0	0	0	0	0	1
186.	10-614-4	ARCHITECTURAL COMMERCIAL DESIGN	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12)	1
187.	10-701-1	TELECASTING	12	0	0	0	0	0	0	0	(12)	0	0	0	0	0	0	0	0	0	0	1
188.	31-303-2	FOOD SERVICE ASSISTANT	12	0	0	0	0	0	3	0	0	(9)	0	0	0	0	0	0	0	0	0	2
189.	31-402-3	POWER PLANT MECHANIC	12	0	0	0	0	0	0	0	(12)	0	0	0	0	0	0	0	0	0	0	1
190.	31-451-1	TELEPHONE SERVICE REPAIR	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(12)	1
191.	31-472-1	INDUSTRIAL TRUCK MECHANIC	12	0	0	0	0	0	0	0	0	0	0	0	(12)	0	0	0	0	0	0	1
192.	30-107-2	DATA ENTRY	12	0	0	0	0	0	0	0	(12)	0	0	0	0	0	0	0	0	0	0	1
193.	30-444-1	NUMERICAL CONTROL MACH OPERATOR	12	0	0	0	0	0	(12)	0	0	0	0	0	0	0	0	0	0	0	0	1
194.	10-513-2	HISTOTECHNOLOGY	11	(11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
195.	10-527-2	WATER + WASTEWATER TREATMENT TEC	11	0	0	0	0	0	0	0	0	(11)	0	0	0	0	0	0	0	0	0	1
196.	10-605-2	ELECTRONICS-COMMUNICATIONS	11	0	0	0	0	0	0	0	(11)	0	0	0	0	0	0	0	0	0	0	1
197.	10-605-9	ELECTRONIC CIRCUIT BOARD DESIGN	11	0	0	0	0	0	0	(11)	0	0	0	0	0	0	0	0	0	0	0	1
198.	10-621-1	INDUSTRIAL WELDING TECHNICIAN	11	0	0	0	5	0	0	0	(6)	0	0	0	0	0	0	0	0	0	0	2
199.	10-623-3	MANUFACTURING ENGINEERING TECH	11	0	0	0	0	0	0	3	0	0	0	0	2	(6)	0	0	0	0	0	3
200.	10-701-2	RADIO BROADCASTING	11	0	0	0	0	0	(11)	0	0	0	0	0	0	0	0	0	0	0	0	1

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
PROGRAM SYSTEM (VE701520A)
GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

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FISCAL YEAR=1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	B Y D I S T R I C T																	No. of Dist. with Grads	
				01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17			
201.	32-419-1	FLUID POWER MAINTENANCE	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
202.	31-106-4	LEGAL TRANSCRIPTIONIST	11	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
203.	31-522-2	INSTRUCTIONAL ASSISTANT	11	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	1
204.	30-001-6	AGROECOLOGY	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	1
205.	30-447-1	TIMBER HARVESTING EQUIPMENT OPER	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	1
206.	30-462-1	WELDER EQUIP MAINTENANCE REPAIR	11	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	1
207.	30-469-1	PETROLEUM DISTRIBUTION SERVICES	11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	1
208.	50-424-1	PAINTING AND DECORATING	11	0	0	0	0	0	4	0	7	0	0	0	0	0	0	0	0	0	0	2
209.	50-502-1	BARBER/COSMETOLOGY	11	1	0	0	0	0	5	0	5	0	0	0	0	0	0	0	0	0	0	3
210.	10-001-1	HORTICULTURE-PRODUCTION	10	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	1
211.	10-091-5	EQUINE MANAGEMENT	10	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	1
212.	10-102-5	MEDICAL OFFICE MID-MANAGEMENT	10	0	0	0	5	0	0	0	0	0	0	0	5	0	0	0	0	0	0	2
213.	10-206-3	VISUAL COMMUNICATION/VIDEO TECH.	10	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	1
214.	10-504-3	SECURITY LOSS PREVENTION	10	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	1
215.	10-527-1	MUNICIPAL ENGINEERING TECHNICIAN	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
216.	31-080-4	FARM OPERATION	10	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0	0	2
217.	31-111-3	ADVERTISING SALES	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	1
218.	31-204-6	FLEXOGRAPHIC PRINTING	10	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	1
219.	31-414-4	COMMUNITY ANTENNA TV INSTALLATN	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	1
220.	30-419-1	FLUID POWER MAINTENANCE	10	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	1
221.	30-509-3	OFFICE AIDE - MEDICAL/DENTAL	10	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
222.	50-427-3	TECH PLUMBING	10	5	0	0	0	0	2	0	0	0	1	0	0	0	2	0	0	0	0	4
223.	10-001-2	HORTICULTURE-MARKETING	9	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	1
224.	10-516-1	DISPENSING OPTICIAN	9	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	1
225.	10-525-1	ELECTRONEURODIAGNOSTIC TECH	9	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE7015204)
 GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

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FISCAL YEAR=1988-89

No. of
Dist.
with
Grads

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17	No. of Dist. with Grads
226.	31-106-3	STENOGRAPHER	9	0	0	0	8	0	0	0	0	0	0	0	0	1	0	0	0	2
227.	31-404-2	AUTOMOTIVE SERVICING MECHANIC	9	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	1
228.	31-412-4	INDUSTRIAL/DIESEL MECHANIC	9	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	1
229.	31-423-1	MACHINE MAINTENANCE	9	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	1
230.	30-303-9	DIETARY MANAGER	9	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	1
231.	30-307-4	INFANT/TODDLER CARE SERVICES	9	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	1
232.	10-002-1	FEED, FERTILIZER AND FARM SUPPLY	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
233.	10-109-4	RECREATION RESOURCE ASSOCIATE	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	1
234.	10-303-5	FOOD & HOSPITALITY MGMT TECH	8	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	1
235.	10-526-2	DIAGNOSTIC MEDICAL SONOGRAPHY	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
236.	10-603-1	CHEMICAL	8	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	1
237.	10-605-7	ELECTRONIC SYSTEMS TECHNICIAN	8	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	1
238.	10-614-2	ARCHITECTURAL-INDUSTRIAL MODELS	8	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	1
239.	10-624-1	RADIATION PROTECTION TECHNICIAN	8	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	1
240.	32-420-1	INDUSTRIAL MAINTENANCE	8	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	1
241.	31-403-1	DRAFTING-ARCHITECTURAL	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	1
242.	31-443-1	FACILITY MAINTENANCE SERVICE	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1
243.	31-450-2	OFFICE EQUIPMENT REPAIR	8	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	1
244.	31-501-1	BARBERING	8	0	0	0	0	0	0	0	5	0	0	0	3	0	0	0	0	2
245.	31-518-1	QUANTITY FOOD PREPARATION	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	1
246.	30-534-1	CENTRAL SERVICE ASSISTANT	8	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
247.	10-003-2	AGRICULTURAL FACILITIES/EQUIP	7	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	1
248.	10-104-5	FOOD MARKETING	7	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0	0	2
249.	10-107-3	COMPUTER INFORMATION SYSTEMS	7	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1
250.	10-195-1	PROPERTY ASSESSMENT	7	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	1

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701520A)
 GRADUATE TOTALS BY PROGRAM NUMBER

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 23:48 TUESDAY, JANUARY 16, 1990

FISCAL YEAR 1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	DISTRICTS																	No. of Dist. with Grads
				01	02	B 03	Y 04	05	L 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17		
251.	10-507-1	DENTAL LABORATORY	7	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	1
252.	10-607-4	CIVIL ENGINEERING TECHY-HWY TECH	7	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	1
253.	10-628-1	COMPUTERIZED MACHINING TECH	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1
254.	10-805-1	OCCUPATIONAL MUSIC	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1
255.	31-001-1	HORTICULTURAL AIDE	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1
256.	31-303-1	FOOD PRODUCTION SPECIALIST	7	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
257.	31-408-1	BRICKLAYING AND MASONRY	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1
258.	31-453-1	MOTORCYCLE MARINE & LAWN EQ MECH	7	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
259.	30-404-4	ADVANCED AUTO BODY REPAIR	7	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	1
260.	30-518-3	SCHOOL FOOD SERVICE ASSISTANT	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	1
261.	50-413-9	ABC ELECTRICIAN APPRENTICESHIP	7	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	1
262.	50-420-1	INJECTION MOLD SET-UP (PLASTIC)	7	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	1
263.	10-001-3	LANDSCAPE MANAGEMENT	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	1
264.	10-007-2	BIOTECHNOLOGY LABORATORY TECH	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1
265.	10-106-8	OFFICE SYSTEMS SPECIALIST	6	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	1
266.	10-516-2	OPTOMETRIC TECHNICIAN	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1
267.	31-070-3	AGRICULTURE EQUIPMENT MECHANIC	6	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	1
268.	30-301-4	INDUSTRIAL SEWING OPERATOR TRNG	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	1
269.	30-303-5	FOOD SERVICE AIDE	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	1
270.	39-510-1	NURSING ASSISTANT	6	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	1
271.	50-408-2	TILE SETTER APPRENTICE	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	1
272.	50-417-1	TECH GLAZE (GLAZIER)	6	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	1
273.	50-435-1	PIPEFITTING	6	0	0	0	0	0	1	0	0	0	0	5	0	0	0	0	0	0	2
274.	10-307-2	CHILD CARE ASSOCIATE	5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	1
275.	10-607-7	LAND SURVEY TECHNICIAN	5	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0	2

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701520A)
 GRADUATE TOTALS BY PROGRAM NUMBER

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FISCAL YEAR=1988-89

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	DISTRICTS																	No. of Dist. with Grads	
				01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17			
276.	10-613-1	METALLURGY	5	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	1	
277.	31-412-5	TRUCK MECHANIC	5	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1
278.	31-442-2	FABRICATION WELDING	5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
279.	31-448-2	DRAFTING MARINE	5	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	1
280.	31-463-2	INDUSTRIAL PLASTIC MACHINE OPER	5	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	1
281.	30-095-1	TAXIDERMY	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
282.	50-408-1	TECH BRICK MASONRY	5	2	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	0	0	4
283.	50-518-1	COOK-CHEF APPRENTICE	5	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	1
284.	10-111-4	INTERNATIONAL TRADE ASSOCIATE	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1
285.	10-308-1	ENVIRONMENTAL SERVICES MGMT	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1
286.	10-503-3	FIRE PROTECTION ENG. TECHNOLOGY	4	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	1
287.	10-609-1	ELECTRONIC DESIGN TECHNICIAN	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1
288.	32-471-1	HOROLOGY (WATCH MAKING)	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1
289.	31-104-6	MERCHANDISING/SALES	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1
290.	31-412-6	LOG/MIN/DIESEL EQUIP MAINT & REP	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	1
291.	31-443-4	BUILDING SERVICES	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
292.	30-531-1	EMERGENCY MEDICAL SERVICES SPEC.	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
293.	50-411-1	RESILIENT FLOOR APPRENTICESHIP	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1
294.	50-439-1	TOOL MAKER APPRENTICESHIP	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	1
295.	50-446-1	ROOFER	4	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	1
296.	10-006-2	AGRIBUSINESS SERVICES & SUPPLIES	3	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1
297.	10-114-1	FINANCIAL PLANNING ASSOCIATE	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	1
298.	10-545-1	COMM DEVEL DISABILITIES ASSOC	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
299.	10-604-1	COMBUSTION ENGINE	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1
300.	32-414-2	ELECTRONICS-AIRCRAFT	3	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701520A)
 GRADUATE TOTALS BY PROGRAM NUMBER

23:48 TUESDAY, JANUARY 16, 1990

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FISCAL YEAR=1988-89

No of
Dist.
with
Grads

No.	PROGRAM NO.	PROGRAM TITLE	GRADS STATEWIDE	01	02	B 03	Y 04	05	06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17	
301.	31-080-5	DAIRY FARM OPERATION	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
302.	31-433-1	SHOE SERVICING	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1
303.	31-462-4	MTRI HNOLG EQ - ROBOTICS REPAIR	3	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	1
304.	30-104-5	SMALL BUSINESS TRAINING	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	1
305.	30-307-2	FAMILY DAY CARE	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	1
306.	30-428-1	POWER ENGR. & BOILER OPERATOR	3	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1
307.	10-091-2	LIVESTOCK MANAGEMENT TECHNOLOGY	2	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1
308.	10-102-1	AVIATION MID-MANAGEMENT	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1
309.	10-102-8	FINANCIAL INSTITUTIONS MGT	2	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	1
310.	32-303-1	RESTAURANT & INSTIT. FOOD PREP.	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1
311.	31-091-2	FARRIER	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1
312.	31-104-1	SMALL BUSINESS OPERATION	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	2
313.	31-307-2	INFANT AND CHILD SPECIALIST	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1
314.	50-423-2	MACHINERY MECHANIC	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	1
315.	50-425-1	PATTERNMAKING	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1
316.	50-432-2	SHEET METAL - INDUSTRIAL	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	2
317.	50-434-1	SPRINKLER FITTER APPRENTICESHIP	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1
318.	50-435-5	ASBESTOS WORKER APPRENTICE	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1
319.	50-501-2	BARBER APPRENTICESHIP (GRADUATE)	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1
320.	50-511-1	RESTAURANT AND COOK	2	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1
321.	10-106-5	COURT REPORTING SCOPIST	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
322.	10-111-5	SMALL BUSINESS MANAGEMENT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
323.	10-206-2	MOTION PICTURE TECHNICIAN	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
324.	10-619-1	PLASTICS TECHNICIAN	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
325.	32-080-2	FARM MANAGEMENT	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1

89

90

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TOP TEN PROGRAMS STATEWIDE AND BY DISTRICT BY NUMBER OF GRADUATES IN 1988-89

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Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
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STATEWIDE					
1	30-510-1 Nursing Assistant	1,350	9.3%	272	0.5%
2	10-101-1 Accounting	796	14.7%	2,747	5.2%
3	10-510-1 Nursing	634	19.1%	2,057	8.8%
4	10-104-3 Marketing	464	22.3%	1,669	11.7%
5	10-504-1 Police Science	346	24.7%	1,359	14.0%
6	10-107-1 Data Processing	334	27.0%	1,319	16.3%
7	30-090-1 Farm Training	278	28.9%	205	16.6%
8	10-605-1 Electronics	267	30.7%	858	18.1%
9	10-106-2 Adm Asst-Secretarial	247	32.4%	958	19.8%
10	31-509-1 Medical Assistant	224	33.9%	317	20.3%
		-----	-----	-----	-----
	TOTAL	4,940	14,556	11,761 *	57,893
			Total State Graduates		Total Program State FTE*

Top 10 include:
 2 Short Term (30)
 1 1-Year Diploma (31)
 7 Associate Degree (10)
 New programs in state since 1980 = 0

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*NOTE: FTE by program includes all courses that are part of the program, both occupational and general education. Program FTEs are used in all district tables that follow.

There are 338 programs in the state that have at least one graduate. Ten (3%) of programs in state VTAE produce 33.9% of graduates and 20.3% of FTEs.

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 District 1 - Chippewa Valley
 Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	30-510-1 Nursing Assistant	102	8.7%	23	0.7%
2	10-101-1 Accounting	66	14.4%	184	5.9%
3	30-504-1 Basic Police Recruit	63	19.8%	16	6.3%
4	31-106-2 Clerk Typist - Medical	48	23.9%	66	8.2%
5	30-090-1 Farm Training	45	27.7%	33	9.1%
6	10-510-1 Nursing	43	31.4%	173	14.1%
7	10-106-7 Adm Asst-Info Process	36	34.5%	125	17.6%
8	10-104-3 Marketing	36	37.6%	111	20.8%
9	10-504-1 Police Science	35	40.5%	143	24.8%
10	10-107-1 Data Processing	35	43.5%	94	27.5%
	TOTAL	509	1,169 Chippewa V Graduates	968	3,522 Chippewa V FTEs

Top 10 include:

- 3 Short Term (30)
- 1 1-Year Diploma (31)
- 6 Associate Degree (10)

New programs in state since 1980 = 0

Chippewa Valley has 53 State Code 10, 30, 31, or 32 programs with graduates.

=====
 District 2 - Western
 Top 10 Programs - 1988-89

1	30-510-1 Nursing Assistant	158	16.2%	70	0.6%
2	30-542-1 Homemaker/Health Aide	72	23.6%	18	1.2%
3	31-107-3 Office Computer Spec*	58	29.5%	114	4.8%
4	10-510-1 Nursing	51	34.8%	235	12.2%
5	10-101-1 Accounting	39	38.8%	139	16.5%
6	10-504-1 Police Science	32	42.1%	112	20.1%
7	30-510-2 Health Unit Clerk	27	44.8%	15	20.5%
8	10-201-1 Commercial Art	25	47.4%	98	23.6%
9	10-104-3 Marketing	25	49.9%	67	25.7%
10	10-106-7 Adm Asst-Info Process	24	52.4%	63	27.7%
		511	975 Western Graduates	881	3,182 Western FTEs

Top ten include:

- 3 Short Term (30)
- 1 1-Year Diploma (31)
- 6 Associate Degree (10)

*New programs in state since 1980 = 1 (1982)

Western has 55 State Code 10, 30, 31, or 32 programs with graduates.

=====
District 3 - Southwest
Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	30-510-1 Nursing Assistant	99	21.4%	21	1.9%
2	30-090-1 Farm Training	27	27.3%	26	4.2%
3	31-101-2 Microcomp Acct Asst*	26	32.9%	36	7.5%
4	10-510-1 Nursing	23	37.9%	55	12.4%
5	10-101-1 Accounting	22	42.6%	47	16.6%
6	31-107-4 Data Entry Operator	21	47.2%	37	19.9%
7	30-518-1 Butcher	19	51.3%	21	21.8%
8	32-404-2 Auto Mechanics	16	54.8%	51	26.4%
9	31-103-5 Word Processing Spec	15	58.0%	20	28.2%
10	10-620-1 Electro-Mech Tech	14	61.0%	42	32.0%
	31-414-1 Electronic Servicing	14	64.1%	18	33.6%
	TOTAL	296	462	374	1,114
			Southwest Graduates		Southwest FTEs

Top 10 include:

- 3 Short Term (30)
- 4 1-Year Diploma (31)
- 1 2-Year Diploma (32)
- 3 Associate Degree (10)

*New programs in state since 1980 = 1 (1985)

Southwest has 38 State Code 10, 30, 31, or 32 programs with graduates.

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District 4 - Madison
Top 10 Programs - 1988-89

1	10-101-1 Accounting	109	7.1%	447	6.0%
2	10-104-3 Marketing	73	11.9%	253	9.5%
3	10-107-1 Data Processing	68	16.4%	315	13.7%
4	10-510-1 Nursing	63	20.5%	135	15.5%
5	10-201-1 Commercial Art	49	23.7%	185	18.1%
6	10-504-1 Police Science	44	26.6%	200	20.8%
7	20-800-1 College Parallel	42	29.3%	1,339	38.9%
8	10-091-1 Animal Technology	41	32.0%	124	40.5%
9	31-510-1 Practical Nursing	41	34.7%	63	41.4%
10	10-605-1 Electronics	40	37.3%	138	43.3%
	31-106-1 Office Assistant	40	39.9%	101	44.6%
	TOTAL	610	1,528	3,300	7,396
			Madison Graduates		Madison FTEs

Top ten include:

- 2 1-Year Diploma (31)
- 9 Associate Degree (10-20)

New programs in state since 1980 = 0

Madison has 79 State Code 10, 20, 30, 31, or 32 programs with graduates.

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 District 5 - Blackhawk
 Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	30-510-1 Nursing Assistant	93	19.2%	16	0.9%
2	10-510-1 Nursing	37	26.8%	183	10.8%
3	32-402-1 Airframe Powerplant	28	32.6%	66	14.4%
4	10-101-1 Accounting	24	37.5%	104	20.1%
5	10-504-1 Police Science	19	41.4%	79	24.4%
6	31-307-1 Child Care Services	18	45.2%	30	26.0%
7	10-107-1 Data Processing	18	48.9%	47	28.6%
8	31-509-1 Medical Assistant	17	52.4%	30	30.2%
9	10-104-3 Marketing	16	55.7%	26	31.6%
10	31-101-1 Accounting Assistant	13	58.4%	69	35.4%
	TOTAL	283	485 Blackhawk Graduates	650	1,836 Blackhawk FTEs

Top 10 include:

- 1 Short Term (30)
- 3 1-Year Diploma (31)
- 1 2-Year Diploma (32)
- 5 Associate Degree (10)

New programs in state since 1980 = 0

Blackhawk has 37 State Code 10, 30, 31, or 32 programs with graduates.

=====
 District 6 - Gateway
 Top 10 Programs - 1988-89

1	10-101-1 Accounting	53	6.9%	213	5.0%
2	10-510-1 Nursing	52	13.7%	236	10.5%
3	30-109-2 Travel Agent	36	18.5%	30	11.2%
4	10-106-7 Adm Asst-Info Process	34	22.9%	105	13.7%
5	32-402-1 Airframe Powerplant	32	27.1%	89	15.7%
6	31-101-1 Accounting Assistant	29	30.9%	43	16.7%
7	30-442-2 Welding/Maint & Fab*	26	34.3%	35	17.6%
8	10-104-3 Marketing	26	37.7%	143	20.9%
9	10-605-3 Electronics - Computer	22	40.6%	61	22.3%
10	10-106-2 Adm Assist-Secretarial	22	43.5%	118	25.1%
		332	764 Gateway Graduates	1,073	4,277 Gateway FTEs

Top ten include:

- 2 Short Term (30)
- 1 1-Year Diploma (31)
- 1 2-Year Diploma (32)
- 6 Associate Degree (10)

*New programs in state since 1980 = 1 (1982)

Gateway has 58 State Code 10, 30, 31, or 32 programs with graduates.

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 District 8 - Waukesha
 Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	10-605-1 Electronics	55	8.0%	134	4.2%
2	10-101-1 Accounting	45	14.6%	195	10.3%
3	10-106-2 Adm Asst-Secretarial	40	20.4%	124	14.1%
4	10-510-1 Nursing	39	26.1%	157	19.0%
5	10-104-3 Marketing	38	31.6%	132	23.1%
6	10-104-4 Fashion Merchandising	30	36.0%	67	25.2%
7	31-509-1 Medical Assistant	27	39.9%	42	26.5%
8	30-510-2 Health Unit Clerk	27	43.8%	17	27.0%
9	10-602-3 Auto Technology	23	47.2%	33	28.1%
10	50-401-1 Environmental Service	21	50.2%	7	28.3%
	TOTAL	345	687 Waukesha Graduates	908	3,209 Waukesha FTEs

Top 10 include:

- 1 Short Term (30)
- 1 1-Year Diploma (31)
- 7 Associate Degree (10)
- 1 Apprentice (50)

New programs in state since 1980 = 0

Waukesha has 47 State Code 10, 30, 31, or 32 programs with graduates.

=====
 District 9 - Milwaukee
 Top 10 Programs - 1988-89

1	30-510-1 Nursing Assistant	140	5.7%	38	0.3%
2	10-510-1 Nursing	112	10.3%	202	1.9%
3	10-102-3 Business Mid-Management	107	14.6%	260	3.9%
4	10-101-1 Accounting	90	18.3%	308	6.4%
5	39-105-1 Data Entry	86	21.8%	21	6.5%
6	20-800-1 College Parallel	85	25.3%	727	12.3%
7	10-504-1 Police Science	61	27.7%	213	13.9%
8	10-107-1 Data Processing	58	30.1%	201	15.5%
9	50-413-3 Electrical Construction	58	32.5%	52	15.9%
10	10-520-3 Human Services Assistant	50	34.5%	258	18.0%
		847	2,455 Milwaukee Graduates	2,280	12,692 Milwaukee FTEs

Top ten include:

- 1 Short Term (30)
- 1 JTPA Short-Term (39)
- 1 Apprentice (50)
- 7 Associate Degree (10-20)

New programs in state since 1980 = 0

Milwaukee has 102 State Code 10, 30, 31, 32, or 39 programs with graduates.

=====
District 10 - Moraine Park
Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	10-101-1 Accounting	55	8.2%	160	6.4%
2	30-510-1 Nursing Assistant	51	15.8%	12	6.9%
3	32-420-5 Machine Tool Tech	34	20.8%	72	9.8%
4	31-502-1 Barbering/Cosmetology	33	25.7%	35	11.2%
5	10-510-1 Nursing	31	30.4%	105	15.5%
6	31-510-1 Practical Nursing	28	34.5%	33	16.8%
7	10-606-1 Mechanical Design Tech	25	38.2%	78	19.9%
8	31-101-1 Office Assistant	23	41.7%	32	21.2%
9	10-620-1 Electro-Mech Technology	21	44.8%	66	23.9%
10	10-104-3 Marketing	19	47.6%	76	27.0%
	TOTAL	320	672	669	2,482
			Moraine Pk Graduates		Moraine Pk FTEs

Top 10 include:
 1 Short Term (30)
 3 1-Year Diploma (31)
 1 2-Year Diploma (32)
 5 Associate Degree (10)
 New programs in state since 1980 = 0
 Moraine Park has 51 State Code 10, 30, 31, or 32 programs with graduates.

=====
District 11 - Lakeshore
Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	30-510-1 Nursing Assistant	108	19.3%	22	1.1%
2	10-101-1 Accounting	48	27.8%	116	6.8%
3	10-104-3 Marketing	41	35.1%	77	10.6%
4	10-110-1 Legal Assistant	24	39.4%	53	13.2%
5	31-509-1 Medical Assistant	19	42.8%	25	14.5%
6	31-420-1 Machine Tool Operation	17	45.8%	30	15.9%
7	10-510-1 Nursing	17	48.8%	45	18.2%
8	31-103-1 Office Assistant	16	51.7%	33	19.8%
9	31-307-1 Child Care Services	16	54.5%	28	21.2%
10	31-204-1 Printing	15	57.2%	17	22.0%
		321	561	446	2,027
			Lakeshore Graduates		Lakeshore FTEs

Top ten include:
 1 Short Term (30)
 5 1-Year Diploma (31)
 4 Associate Degree (10)
 New programs in state since 1980 = 0
 Lakeshore has 40 State Code 10, 30, 31, or 32 programs with graduates.

=====
 District 12 - Fox Valley
 Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	30-458-1 Truck Driving	92	8.2%	53	1.2%
2	30-104-3 Nursing Assistant	91	16.3%	19	1.6%
3	10-101-1 Accounting	70	22.5%	206	6.4%
4	50-447-1 Operating Engineer	50	27.0%	17	6.7%
5	10-104-3 Marketing	47	31.2%	172	10.7%
6	10-510-1 Nursing	45	35.2%	211	15.5%
7	10-504-1 Police Science	42	38.9%	129	18.5%
8	30-090-1 Farm Training	34	41.9%	27	19.1%
9	10-606-1 Mechanical Design Tech	33	44.9%	113	21.7%
10	10-106-7 Adm Asst-Info Proc	32	47.7%	107	24.1%
	TOTAL	536	1,123 Fox Valley Graduates	1,054	4,373 Fox Valley FTEs

Top 10 include:

- 3 Short Term (30)
- 1 Apprentice (5)
- 6 Associate Degree (10)

New programs in state since 1980 = 0

Fox Valley has 50 State Code 10, 30, 31, or 32 programs with graduates.

=====
 District 13 - Northeast
 Top 10 Programs - 1988-89

1	30-510-1 Nursing Assistant	95	8.3%	18	0.5%
2	10-101-1 Accounting	53	13.0%	204	5.6%
3	10-510-1 Nursing	41	16.6%	131	8.8%
4	30-090-1 Farm Training	41	20.2%	19	9.3%
5	10-504-1 Police Science	40	23.7%	131	12.6%
6	31-101-1 Accounting Assistant	40	27.2%	60	14.1%
7	31-509-1 Medical Ass.stant	33	30.1%	38	15.0%
8	31-420-1 Machine Tool Operation	32	32.9%	38	16.0%
9	31-107-4 Data Entry	30	35.6%	41	17.0%
10	31-413-1 Electricity	30	38.2%	36	17.9%
		435	1,139 Northeast Graduates	716	3,995 Northeast FTEs

Top ten include:

- 2 Short Term (30)
- 5 1-Year Diploma (31)
- 3 Associate Degree (10)

New programs in state since 1980 = 0

Northeast has 62 State Code 10, 30, 31, or 32 programs with graduates.

=====
District 14 - Mid-State
Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	30-510-1 Nursing Assistant	43	9.5%	17	0.9%
2	31-103-5 Word Processing Spec	33	16.9%	42	3.2%
3	31-509-1 Medical Assistant	33	24.2%	39	5.3%
4	31-101-1 Account Assistant	27	30.2%	61	8.7%
5	31-106-1 Office Assistant	27	36.1%	37	10.7%
6	10-101-1 Accounting	25	41.7%	96	15.9%
7	10-605-4 Instrumentation	19	45.9%	68	19.6%
8	10-107-1 Data Processing	17	49.7%	74	23.7%
9	31-106-7 Medical Transcription	16	53.2%	21	24.8%
10	32-420-1 Machine Tool Operation	15	56.5%	39	27.0%
	10-102-7 Bus Adm Personnel	15	59.9%	61	30.3%
	TOTAL	270	451	555	1,833
			Mid-State Graduates		Mid-State FTEs

Top 10 include:

- 1 Short Term (30)
- 5 1-Year Diploma (31)
- 1 2-Year Diploma (32)
- 4 Associate Degree (10)

New programs in state since 1980 = 0

Mid-State has 34 State Code 10, 30, 31, or 32 programs with graduates.

=====
District 15 - North Central
Top 10 Programs - 1988-89

1	30-510-1 Nursing Assistant	114	15.7%	16	0.7%
2	10-510-1 Nursing	44	21.7%	97	4.6%
3	31-106-8 Info Process Spec	43	27.6%	78	7.8%
4	10-101-1 Accounting	32	32.0%	105	12.1%
5	10-107-1 Data Processing	32	36.5%	85	15.6%
6	30-504-1 Bas Police Recrt Sch	30	40.6%	8	15.9%
7	10-622-2 Laser Technician	30	44.7%	43	17.7%
8	10-104-3 Marketing	27	48.4%	119	22.6%
9	10-504-1 Police Science	26	52.0%	62	25.1%
10	30-090-1 Farm Training	25	55.4%	25	26.1%
		403	727	638	2,442
			N Central Graduates		N Central FTEs

Top ten include:

- 3 Short Term (30)
- 1 1-Year Diploma (31)
- 6 Associate Degree (10)

New programs in state since 1980 = 0

North Central has 36 State Code 10, 30, 31, or 32 programs with graduates.

=====
 District 16 - Nicolet
 Top 10 Programs - 1988-89

Rank	Name of Program	No. of Graduates	Cumulative % of Total Graduates	Total FTE	Cumulative % of Total FTE
1	30-510-1 Nursing Assistant	23	17.3%	8	0.9%
2	31-502-1 Barbering/Cosmetology	15	28.6%	29	4.3%
3	20-800-1 College Parallel	13	38.3%	302	39.7%
4	30-447-1 Timber Harv Equip Op	11	46.6%	13	41.2%
5	10-102-3 Bus Mid-Management	9	53.4%	25	44.1%
6	10-101-1 Accounting	8	59.4%	46	49.5%
7	10-107-2 Data Proc/Computer Oper	8	65.4%	33	53.4%
8	10-106-7 Adm Asst-Info Proc	6	69.9%	32	57.1%
9	10-109-2 Hospitality Managemnt	6	74.4%	24	60.0%
10	10-104-3 Marketing	5	78.2%	17	61.9%
	TOTAL	104	133 Nicolet Graduates	529	854 Nicolet FTEs

Top 10 include:

- 2 Short Term (30)
- 1 1-Year Diploma (31)
- 7 Associate Degree (10-20)

*New programs in state since 1980 = 1 (1983)

Nicolet has 23 State Code 10, 30, 31, or 32 programs with graduates.

=====
 District 17 - Indianhead
 Top 10 Programs - 1988-89

1	30-510-1 Nursing Assistant	203	20.6%	37	1.4%
2	10-101-1 Accounting	57	26.4%	177	8.0%
3	10-106-1 Adm Asst-Secretarial	50	31.5%	165	14.2%
4	31-101-2 Microcomp Acct Asst*	49	34.1%	55	16.3%
5	31-103-5 Word Process Spec	49	41.5%	69	18.9%
6	31-103-1 Office Assistant	45	46.0%	80	21.9%
7	30-090-1 Farm Training	44	50.5%	21	22.7%
8	10-510-1 Nursing	36	54.2%	91	26.1%
9	31-502-1 Barbering/Cosmetology	27	56.9%	27	27.1%
10	10-104-3 Marketing	26	59.6%	91	30.6%
	32-404-2 Auto Mechanics	26	62.2%	83	33.7%
		612	984 Indianhead Graduates	896	2,661 Indianhead FTEs

Top ten include:

- 2 Short Term (30)
- 4 1-Year Diploma (31)
- 1 2-Year Diploma (32)
- 4 Associate Degree (10)

*New programs in state since 1980 = 1 (1985)

Indianhead has 53 State Code 10, 30, 31, or 32 programs with graduates.

Median Salaries of VTAE Graduates

The median salary of all graduates in the state in 1988 was \$14,448 annually with a range of \$22,152 for Nursing-Technical to \$7,068 for Food Institutional graduates.

MATC-Milwaukee research on MATC graduates in 1988 indicates that median salaries in service and health occupations have surpassed technical and industrial graduates in recent years. As a result, female graduates at MATC have average starting salaries that are higher than males in many cases. The highest average salary at MATC was earned by Dental Hygienists at \$23,460 (78 graduates statewide in 1988).

**TOP MEDIAN STARTING SALARIES FOR PROGRAMS WITH
 OVER 100 GRADUATES IN THE STATE - 1987 and 1988**

Rank		Program	Yearly Median		Graduates Statewide	
1988	1987		1988	1987	1988	1987
1	1	10-510-1 Nursing - Technical	\$22,152	\$20,796	661	688
2	5	10-107-1 Data Processing	\$19,152	\$17,538	339	437
3	4	10-620-1 Electro-Mechanical Technology	\$18,924	\$17,556	173	192
4	3	30-458-1 Truck Driving	\$18,192	\$18,180	142	109
5	7	10-605-1 Electronics	\$17,916	\$16,992	266	327
6	2	30-504-1 Basic Police Recruit School*	\$17,796	\$19,992	132	105
7	8	10-606-1 Mechanical Design Technician	\$17,664	\$16,716	213	205
8	9	10-504-1 Police Science	\$17,616	\$16,596	368	370
9	12	31-510-1 Practical Nursing	\$17,352	\$14,904	131	137
10	6	32-420-5 Machine Tooling Technics	\$17,244	\$17,484	109	122
11	13	31-442-1 Welding	\$17,136	\$14,808	146	185
12	14	30-090-1 Farm Training	\$16,896	\$14,700	342	351
13	10	31-420-1 Machine Tool Operation	\$16,824	\$15,508	164	170
14	11	10-605-3 Electronics - Computer	\$16,201	\$15,588	106	127
15	15	31-512-1 Surgical Technician	\$15,468	\$13,980	115	103
					3,407	3,628

 *All employed prior to entering program.

Source: 1986-87 and 1987-88 State VTAE Follow-up

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SALARIES OF GRADUATES OF PROGRAMS WITH 100 OR MORE GRADUATES
1987-88

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Department/Program	Number	Employment Related	Median Monthly Salary
AGRIBUSINESS			
30 Farm Training	342	93%	\$1,400
BUSINESS EDUCATION			
10 Accounting	802	82%	\$1,100
10 Adm Asst-Inf Proc	203	93%	\$1,039
10 Adm Asst-Secretarial	246	92%	\$1,070
10 Bus Mid-Mangement	137	78%	\$1,235
10 Data Processing	339	89%	\$1,596
31 Account Clerk	237	71%	\$910
31 Clerk Typist	221	86%	\$935
31 Word Processing Specialist	142	88%	\$952
MARKETING			
10 Marketing	412	83%	\$1,082
10 Fashion Merchandising	119	87%	\$822
GRAPHIC & APPLIED ARTS			
10 Commercial Art	104	77%	\$952
HOME ECONOMICS			
31 Barbering/Cosmetology	177	88%	\$640
31 Child Care Service	128	93%	\$736
INDUSTRIAL			
30 Truck Driving	142	85%	\$1,516
31 Auto Body	184	72%	\$953
31 Machine Tool Operation	164	90%	\$1,402
31 Welding	146	90%	\$1,428
32 Auto Mechanics	183	88%	\$995
32 Machine Tool Technics	109	94%	\$1,437
HEALTH			
10 Nursing	661	99%	\$1,846
30 Health Unit Clerk	139	84%	\$995
30 Nursing Assistant	1,144	83%	\$857
31 Dental Assistant	143	92%	\$951
31 Medical Assistant	183	96%	\$1,001
31 Practical Nursing	131	92%	\$1,446
31 Surgical Technician	115	95%	\$1,289
SERVICE			
10 Police Science	368	69%	\$1,468
30 Basic Police Recruit School	132	96%	\$1,483
TECHNICAL			
10 Electro-Mechanical	173	85%	\$1,577
10 Electronics	266	84%	\$1,493
10 Electronic-Computer	106	71%	\$1,350
10 Mechanical Design	213	95%	\$1,472

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IV. NEW PROGRAMS 1980-1989

Table 12 is a list of 194 new programs that have been approved by the State Board from 1980 to 1989. One hundred and thirteen (113) of these programs are degree or diploma programs and 81 are apprentice programs. The top ten new programs from 1980 to 1988 in number of graduates are as follows:

Rank	Program	District	Year Approved	Graduates Statewide
1	31-101-2 Microcomputer Acctg Specialist	(4 Districts)	1985	93
2	31-107-3 Office Computer Specialist	(Western)	1982	58
3	31-106-8 Information Processing Specialist	(North Central)	1985	43
4	30-404-9 Parts Specialist	(4 Districts)	1980	38
5	10-503-2 Fire Protection Technology	(2 Districts)	1980	34
6	10-107-5 Microcomputer Application Analyst	(2 Districts)	1985	33
7	31-421-2 Mechanical and Computer Drafting	(4 Districts)	1985	33
8	30-001-5 Basic Horticulture	(Madison)	1984	27
9	31-107-6 Computer Operator	(Fox Valley)	1985	25
10	10-605-8 Electronics - Telecommunications	(3 Districts)	1984	23

The 113 new degree and diploma programs from 1980 to 1989 produced 963 graduates or about 7% of the 13,618 degree and diploma graduates in 1988-89. New apprentice programs produced 264 graduates. Most apprentice programs were started before 1980 but did not receive state approval until after 1980.

TABLE 12

NEW PROGRAMS 1980-1989

The following are new programs the State Board approved from 1980 through 1989. Programs which were approved during these years but have been discontinued are not included.

Type	Division/Program	First Year Approved	No. of Districts	Total Enrollment		Graduates	
				1987-88	1988-89	1987-88	1988-89
AGRIBUSINESS							
10-001-2	Horticulture	1980	1	33	32	5	9
10-006-2	Agribusiness Services and Supplies	1983	5	37	29	15	3
10-001-3	Landscape Management	1985	1	39	42	3	6
10-007-2	Biotechnology Laboratory Tech	1987	1	28	34	0	6
10-001-4	Landscape Tech	1989	1		0		0
30-006-1	Operating Agribusiness for Results	1980	3	1	0	0	0
30-001-3	Landscape and Turf Services	1980	1	45	40	1	0
30-006-2	Operating Agribusiness Service Dept	1981	1				
30-006-3	Operating Agribusiness Parts Dept	1982	1				
30-006-4	Operating Agribusiness Sales Dept	1983	1				
30-001-5	Basic Horticulture	1984	1	28	42	15	27
30-006-5	Operating Agribus Financial Dept	1984	1				
30-080-3	Farm Hand	1985	1				
30-001-6	Agroecology	1987	1	5	17	0	11
31-003-5	Agribus Equip Install & Service	1982	1				
31-070-3	Agriculture Equipment Mechanic	1983	2	45	47	6	6
31-080-5	Dairy Farm Operation	1985	1	14	14	1	3
31-070-1	Diesel Power Mechanic	1987	1	20	26	3	14
32-080-2	Farm Management	1984	1	4	1	2	1
				-----	-----	-----	-----
BUSINESS				299	324	51	86
10-109-5	Tourism Recreation Associate	1980	1	84	88	10	17
10-109-4	Recreation Resource Associate	1980	1	46	44	11	8
10-107-4	Information Systems Management	1983	1	56	49	11	12
10-111-4	International Trade Associate	1984	1	66	76	4	4
10-111-5	Small Business Management	1984	2	27	41	0	1
10-102-9	Municipal Administration	1984	1	20	11	0	0
10-107-5	Microcomputer Applications Analyst	1985	2	173	252	30	33
10-107-3	Computer Information Systems	1986	1	54	82	2	7
10-106-5	Court Reporting Scopist	1986	1	10	4	5	1
10-106-8	Office Systems Specialist	1986	1	44	61	3	6
10-114-1	Financial Planning Associate	1987	1	70	67	0	3
10-176-1	Records & Info Management Tech	1989	1		0		0
30-102-1	Small Business Training	1987	2	0	1	0	1
30-106-1	Automated Bus Support Specialist	1986	1	26	32	11	18
30-104-4	Telemarketing Representative	1989	1		0		0
31-111-3	Advertising Sales	1980	1	25	25	9	10
31-107-3	Office Computer Specialist	1982	1	321	307	72	58
31-101-2	Microcomputer Accounting Assistant	1985	4	189	225	70	93
31-106-8	Information Processing Specialist	1985	1	142	161	45	43
31-107-6	Computer Operator	1985	1	89	99	26	25
31-102-1	Financial Service: Assistant	1989	1		0		0
				-----	-----	-----	-----
				1,442	1,625	309	340

Table 12 (Continued)
New Programs 1980-1989

Type	Division/Program	First Year Approved	No. of Districts	Total Enrollment		Graduates	
				1987-88	1988-89	1987-88	1988-89
GRAPHICS							
10-206-3	Visual Communication-Video Tech	1985	1	45	51	4	10
31-204-6	Flexographic Printing	1981	1	31	42	12	10
				76	93	16	20
HOME ECONOMICS							
10-309-1	Environmental Services Mangement	1983	1	34	35	2	4
10-307-2	Child Care Associate	1986	1	16	11	2	5
10-303-5	Food & Hospitality Management Tech	1986	1	49	60	8	8
30-307-1	Child Day Care	1980	1	52	45	22	21
30-303-8	Foods/Resort Maint Service Aide	1982	1	6	0	0	0
30-301-3	Sewing for Profit	1985	1	186	128	0	0
30-303-1	Restaurant Cook Assistant	1985	1	4	0	0	0
30-303-9	Dietary Manager	1985	2	23	18	21	9
30-301-4	Industrial Sewing Operator Training	1986	1	38	33	13	6
30-307-4	Infant/Toddler Care Services	1987	1	17	11	14	9
31-303-6	Retail Bakery Production	1985	4	51	39	24	18
31-307-2	Infant and Child Specialist	1986	1	7	15	1	2
32-303-1	Restaurant & Institution Food Prep	1983	1	14	14	7	2
				497	409	114	84
SERVICE AND HEALTH							
10-503-2	Fire Protection Technician	1980	2	142	191	22	34
10-545-1	Comm Devel Disabilities Assoc	1982	2	111	67	7	3
10-503-3	Fire Protection Engineering Tech	1983	1	31	47	11	4
10-526-2	Diagnostic Medical Sonography	1984	1	19	27	8	8
10-503-4	Hazardous Material Handling Tech	1986	2	31	48	0	12
10-550-1	Alcohol & Other Drug Abuse Assoc	1987	1	21	42	0	0
10-091-3	Laboratory Animal Technician	1989	1		0		0
10-533-2	Interpreter Technician	1989	1		0		0
30-503-2	Fire Service Certification	1982	2	151	181	0	0
30-518-3	School Food Service Assistant	1985	1	40	31	12	7
30-531-1	Emerg Medical Services Specialist	1985	1	49	64	3	4
30-542-2	Home Health Assistant/Companion	1985	1	2	0	0	0
30-503-3	Chief Officer	1985	1	10	20	0	0
30-503-4	Fire Officer	1985	1	0	13	0	1
30-502-2	Skin Care Specialist	1986	1	4	0	3	0
31-510-2	Health Unit Coordinator	1984	1	37	51	9	13
				648	782	75	86

Table 12 (Continued)
New Programs 1980-1989

Type	Division/Program	First Year Approved	No. of Districts	Total Enrollment		Graduates	
				1987-88	1988-89	1987-88	1988-89
TECHNICAL AND INDUSTRIAL							
10-443-1	Facility Systems Technician	1980	2	46	50	14	12
10-624-1	Radiation Protection Tech	1980	1	24	25	6	8
10-623-3	Manufacturing Engineering Tech	1981	4	84	82	8	11
10-455-3	Construction Supervisor Management	1981	1	1	1	0	1
10-605-7	Electronic Systems Technician	1983	1	52	56	7	8
10-605-8	Electronics - Telecommunications	1984	3	115	126	22	23
10-455-2	Industrial Supervision Tech	1984	1	15	15	1	0
10-605-9	Electronic Circuit Board Design	1984	1	86	75	17	11
10-628-1	Computerized Machinery Tech	1984	1	36	48	9	7
10-602-3	Automotive Servicing Technician	1985	2	55	78	8	23
10-628-2	Computer Integrated Mfg Tech	1985	2	70	84	10	13
10-628-3	Automated Mfg Systems Tech	1985	1	48	47	14	14
10-609-1	Electronics Design & Packaging Tech	1986	1	30	23	2	4
10-623-6	Materials Planning and Control Tech	1988	1	0	23	0	0
10-629-1	Industrial Coatings Technician	1988	1	0	2	0	0
30-404-9	Parts Clerk	1981	1				
30-443-1	Building Cleaning and Care	1985	1				
30-428-1	Power Eng and Boiler Operator	1986	1	29	25	9	3
30-442-2	Welding/Maintenance and Fabrication	1986	1	80	82	34	26
30-404-4	Advanced Auto Body Repair	1987	1		7		7
30-460-1	Machine and Tool Repair	1987	1	44	2	11	2
30-462-1	Welder Equipment Maintenance Repair	1987	1	27	15	12	11
30-469-1	Petroleum Distribution Services	1988	1				
31-404-9	Parts Specialist	1980	4	121	77	47	38
31-462-4	Matl Handling Equip-Robotics Repair	1980	1	33	13	3	3
31-462-2	Industrial Mechanic	1981	2	46	58	16	20
31-443-3	Military - Building Services	1982	1	59	20	1	8
31-469-1	Military - Petroleum Chemical Serv	1982	1	4	2	0	0
31-458-1	Military Motor Transport	1982	1	45	34	0	0
31-463-2	Industrial Plastic Machine Operator	1984	1	13	11	2	5
31-421-2	Mechanical and Computer Drafting	1985	4	96	212	27	33
31-412-5	Truck Mechanic	1985	1	2	11	0	5
31-412-6	Long/Min/Diesel Equip Maint & Repr	1986	1	14	10	2	4
31-415-1	Metal Casting	1986	1	0	1	0	0
31-442-2	Fabrication Welding	1986	1	14	19	7	5
31-410-4	Weatherization Technics	1987	2	31	61	0	18
31-443-4	Building Services	1987	1	47	49	3	4
31-401-2	Air Cond and Burner Service	1988	1				
31-448-2	Drafting Marine	1988	1	14	11	7	5
32-471-1	Horology	1983	1	16	11	5	4
32-419-1	Fluid Power Maintenance	1984	1	38	36	9	11
32-454-1	Packaging Systems Equipment Maint	1985	1		32		0
				1,435	1,534	313	347
TOTAL DEGREE AND DIPLOMA PROGRAMS				4,397	4,767	878	963

Table 12 (Continued)
New Programs 1980-1989

Type	Division/Program	First* Year Approved	No. of Districts	Total Enrollment		Graduates	
				1987-88	1988-89	1987-88	1988-89
APPRENTICE							
50-204-1	Printing Apprentice	1986	2	5	9	0	0
50-204-2	Printing Apprentice Correspondence	1987	1	0	3	0	0
50-202-2	Jeweler	1988	1	1	1	0	1
50-204-3	Compositor	1988	1	1	1	0	1
50-303-1	Baking 1	1986	2	0	4	0	0
50-307-1	Child Care	1988	1	0	0	0	0
50-502-2	Cosmetology (Ind Study/Reg/Adv)	1986	2	2	2	0	0
50-518-1	Cook-Chef Apprentice	1986	2	28	33	1	5
50-501-2	Barber Apprenticeship (Graduate)	1987	3	57	2	5	0
50-501-3	Barber Apprenticeship (Nongraduate)	1987	1	0	6	0	0
50-502-3	Cosmetology Advanced	1988	1				
50-518-2	Meatcutter	1988	1				
50-420-1	Injection Mold Setup	1981	1	14	22	5	7
50-420-2	Machinist Apprenticeship	1981	14	167	203	23	18
50-420-3	Inspector Apprenticeship	1981	1				
50-421-1	Drafter Apprenticeship	1981	2				
50-422-1	Heat Treater Apprenticeship	1981	2				
50-439-1	Tool Maker Apprenticeship	1981	2	41	44	0	4
50-439-2	Tool Design Apprenticeship	1981	2	3	0	0	0
50-445-2	Coin Machine Repair Apprentice	1981	1	13	11	0	0
50-462-2	Machine Erector Apprenticeship	1981	1				
50-623-1	Industrial Engineer Apprentice	1981	1				
50-623-3	Manufacturing Engineer Apprentice	1981	1				
50-407-1	Boilermaker Apprentice	1982	1				
50-472-1	Industrial Mobile Equip Mechanic	1984	1	14	18	0	0
50-404-1	Auto Body Repair	1986	4	3	8	0	0
50-413-6	Electrical Lineman	1986	2	40	68	22	21
50-401-1	Environmental Service	1986	1	43	40	16	21
50-412-1	Garage Mechanic Apprenticeship	1986	1	10	14	0	0
50-412-2	Truck and Trailer Mechanic	1986	2	2	0	1	0
50-413-3	Electrical Construction (Tech)	1986	2	176	351	35	58
50-413-4	Electrical	1986	1				
50-413-5	Electrical Wireman	1986	1				
50-408-1	Tech Brick Masonry	1986	9	92	114	12	5
50-409-1	Cabinetmaking	1986	2	18	12	4	0
50-413-7	Electrical Meterman	1986	1				
50-413-8	Utility Lineman	1986	1				
50-415-1	Foundry Apprentice	1986	3	15	16	0	0
50-415-2	Foundry Patternmaker	1986	1				
50-417-1	Tech Glaze (Glazier)	1986	2	10	12	4	6
50-418-5	Meat Cutter (Correspondence)	1986	1				
50-420-4	Toolroom Machinist Apprentice	1986	2	11	26	0	0
50-420-5	Automatic Screw Machine Operator	1986	1				
50-423-2	Machinery Mechanic	1986	3	23	17	8	2

*First year in which related instruction was given program status.
Most of these apprentice programs have been in operation prior to 1980.

Table 12 (Continued)
New Programs 1980-1989

Type	Division/Program	First* Year Approved	No. of Districts	Total Enrollment		Graduates		
				1987-88	1988-89	1987-89	1988-89	
APPRENTICE (Continued)								
50-424-2	Drywall Taping and Finishing	1986	2	0	3	0	1	
50-426-1	Cement and Plaster Finishers	1986	1	7	9	0	0	
50-427-3	Tech Plumbing	1986	14	447	526	12	10	
50-413-9	ABE Electrician Apprenticeship	1986	4	114	129	0	7	
50-432-1	Sheet Metal Construction	1986	10	298	364	29	32	
50-432-2	Sheet Metal - Industrial	1986	5	53	50	6	2	
50-435-3	Steamfitting Construction	1986	4	43	32	0	0	
50-435-4	Steamfitting Service	1986	3	29	37	2	13	
50-435-5	Asbestos Worker Apprentice	1986	2	16	33	6	2	
50-435-6	Steamfitter/Ind Pipefitter	1986	1	23	0	0	0	
50-437-1	Iron Worker	1986	4	33	37	1	0	
50-439-3	Tool and Die	1986	12	159	245	35	30	
50-443-1	Glazier Apprentice	1986	1					
50-445-1	Appliance Service	1986	1					
50-451-1	Telephone Technician	1986	1					
50-457-1	Metal Fabricator	1986	3	28	31	0	1	
50-446-1	Roofer	1987	1	7	10	1	4	
50-435-7	Maritime Pipefitter Apprentice	1987	1	2	0	0	0	
50-605-1	Instrumentation Apprenticeship	1987	2	45	49	1	0	
50-404-2	Automotive Mechanic Apprentice	1987	2					
50-404-3	Industrial Truck Apprenticeship	1987	1	0	1	0	0	
50-408-2	Tile Setter Apprentice	1987	2	10	7	2	6	
50-419-1	Hydraulic Maintenance Apprentice	1987	1	1	1	1	0	
50-411-1	Resilient Floor Apprenticeship	1987	1	26	26	6	4	
50-445-3	Appliance Repair Serviceman Corres	1987	1					
50-472-2	Industrial Truck Mechanic	1987	1	7	8	0	0	
50-401-9	HVAC ABC	1988	1	0	21	0	0	
50-403-3	Cement Mason	1988	1	0	16	0	0	
50-408-9	Apprentice Masons (ABE)	1988	1					
50-410-2	Lather	1988	1	5	7	2	1	
50-410-9	Carpentry ABC	1988	2	0	10	0	0	
50-420-6	Machine Repair	1988	1	7	10	3	0	
50-424-3	Paint & Dec/Independent Study	1988	2					
50-427-9	Plumbing ABC	1988	1	0	19	0	0	
50-428-1	Power Engineering Apprenticeship	1988	1	2	1	1	0	
50-432-9	ABC Sheet Metal Apprenticeship	1988	2	0	36	0	0	
50-434-1	Sprinkler Fitter Apprenticeship	1988	1	17	27	0	2	
TOTAL APPRENTICE					2,168	2,782	244	264
GRAND TOTAL					6,565	7,549	1,122	1,227

*First year in which related instruction was given program status.
Most of these apprentice programs have been in operation prior to 1980.

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Table 12 (Continued)
New Programs 1980-1989
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SUMMARY

Division	10 Associate Degree	30 Certif- icate	31 1-Year Diploma	32 2-Year Diploma	50* Appren- tice	Total
Agribusiness	5	9	4	1	-	19
Business	12	3	6	-	-	21
Graphics	1	-	1	-	4	6
Home Economics	3	7	2	1	2	15
Service and Health	8	7	1	-	6	22
Technical and Industrial	15	8	16	3	69	111
TOTAL	44	34	30	5	81	194

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 *First year in which related instruction was given program status.
 Most of these apprentice programs have been in operation prior to 1980.

V. ANALYSIS OF FTE OPERATIONAL STAFF AND AVERAGE
COMPENSATION BY VTAE DISTRICT 1979-80 AND 1988-89

Table 13 shows the number of operational staff equivalents, average compensation, and change for 1979-80 and 1988-89 for each VTAE District. Operational staff are those financed from General and Restricted Revenue Funds and do not include staff funded under Auxiliary or Public Service functions. The number of teaching staff equivalents is determined for each district by dividing the total personal services dollar amount by the average full-time teacher's annual salary and fringe benefits to arrive at a full-time staff. Some highlights of trends in number of operational staff and average compensation are as follows:

1. Milwaukee had the highest average compensation, including benefits, from 1979-80 to 1984-85 but was surpassed by Madison from 1985-86 to 1988-89. Other districts changed greatly over the nine-year period in rank of compensation; for example, decreasing were Gateway 4 to 13 and Blackhawk 8 to 16; increasing were Fox Valley 14 to 4 and Waukesha 11 to 3.
2. Waukesha had the highest average increase in compensation \$22,329 (109%) and Blackhawk had the smallest increase \$11,941 (58%) from 1979-80 to 1988-89.
3. Because of great variation by district in distribution of employees by category, only total operational staff data was used.

Table 14 shows 1988-89 faculty compensation in rank order from highest to lowest. The range is from Milwaukee \$50,597 (includes salary and fringe benefits) to Western \$39,063.

TABLE 13

NUMBER OF OPERATIONAL STAFF EQUIVALENTS AND
AVERAGE EMPLOYEE COMPENSATION BY DISTRICT
1979-80 AND 1988-89

Rank 1979-80	No. FTE Empl.	% State	Average * Comp.	Rank 1988-89	No. FTE Empl.	% State	Average * Comp.
1 Milwaukee	1,372.0	21.7%	\$27,483	1 Madison	680.4	9.8%	\$43,743
2 Madison	531.3	8.4%	\$25,376	2 Milwaukee	1,542.0	22.1%	\$42,888
3 Nicolet	127.5	2.0%	\$21,923	3 Waukesha	467.5	6.7%	\$42,848
4 Gateway	436.0	6.9%	\$21,719	4 Fox Valley	502.4	7.2%	\$41,492
5 Western	407.6	6.4%	\$21,152	5 North Central	332.3	4.8%	\$41,189
6 Chippewa Valley	365.0	5.8%	\$20,944	6 Chippewa Valley	421.3	6.0%	\$39,448
7 Northeast	405.0	6.4%	\$20,820	7 Nicolet	124.3	1.8%	\$39,124
8 Blackhawk	168.0	2.7%	\$20,722	8 Lakeshor	242.3	3.5%	\$38,703
9 North Central	316.3	5.0%	\$20,617	9 Northeast	455.8	6.5%	\$38,608
10 Mid-State	184.5	2.9%	\$20,530	10 Indianhead	321.5	4.6%	\$37,571
11 Waukesha	472.0	7.5%	\$20,519	11 Mid-State	215.3	3.1%	\$37,564
12 Lakeshore	239.7	3.8%	\$19,984	12 Moraine Park	333.7	4.8%	\$36,874
13 Moraine Park	329.1	5.2%	\$19,847	13 Gateway	532.6	7.6%	\$36,660
14 Fox Valley	482.0	7.6%	\$19,491	14 Southwest	176.0	2.5%	\$35,366
15 Indianhead	315.3	5.0%	\$19,403	15 Western	389.6	5.6%	\$34,877
16 Southwest	181.5	2.9%	\$18,574	16 Blackhawk	235.2	3.4%	\$32,663
STATEWIDE	6,332.8	100.0%	\$22,398 **		6,972.2	100.0%	\$39,931 **

*Includes salary and fringe benefits.

**Mean.

NOTE: Because of differences in classifications of employees by district, only total operational employees are used in this table.

TABLE 14

NUMBER OF INSTRUCTOR EQUIVALENTS AND AVERAGE COMPENSATION
1987-88 AND 1988-89

Rank 1987-88 by Compensation	# FTE	% State	Average* Compensation	Rank 1988-89 by Compensation	# FTE	% State	Average* Compensation
1 Milwaukee	728.0	21.2%	\$47,789	1 Milwaukee	735.9	21.0%	\$50,597
2 Waukesha	206.3	6.0%	\$47,122	2 Waukesha	213.9	6.1%	\$49,610
5 Madison	407.3	11.9%	\$44,455	3 Lakeshore	108.2	3.1%	\$47,517
4 Lakeshore	111.5	3.2%	\$44,398	4 Madison	433.8	12.4%	\$46,515
5 Nicolet	52.1	1.5%	\$43,999	5 North Central	161.4	4.6%	\$45,840
6 Fox Valley	250.5	7.3%	\$43,556	6 Fox Valley	260.2	7.4%	\$45,626
7 North Central	159.5	4.6%	\$42,015	7 Nicolet	50.2	1.4%	\$45,428
8 Northeast	230.3	6.7%	\$41,959	8 Gateway	255.2	7.3%	\$43,916
9 Southwest	86.0	2.5%	\$41,770	9 Chippewa Valley	228.0	6.5%	\$43,278
10 Western	190.7	5.6%	\$41,198	10 Northeast	245.3	7.0%	\$42,897
11 Gateway	241.4	7.0%	\$40,294	11 Moraine Park	152.0	4.3%	\$41,836
12 Blackhawk	98.2	2.9%	\$39,977	12 Southwest	87.5	2.5%	\$41,272
13 Moraine Park	150.1	4.4%	\$39,505	13 Blackhawk	103.3	2.9%	\$41,026
14 Mid-State	100.5	2.9%	\$38,583	14 Mid-State	101.0	2.9%	\$40,971
15 Chippewa Valley	242.3	7.1%	\$36,981	15 Indianhead	168.8	4.8%	\$39,652
16 Indianhead	179.5	5.2%	\$34,210	16 Western	201.8	5.8%	\$39,063
TOTAL	3,434.2	100.0%	\$42,847 **	TOTAL	3,506.5	100.0%	\$45,412 **

*Includes salary and fringe benefits

**Mean

VI. ANALYSIS OF OPERATIONAL AND DEBT SERVICE MILL RATES, TAX LEVIES, VALUATION, COST/FTE. AND STATE AIDS BY DISTRICT 1979-80 TO 1989-90

Tables 15 and 16 show mill rates and tax levies by district for 1979-80 and 1989-90, respectively. Some highlights are as follows:

1. Southwest, which had the highest total mill rate in 1989-90 at 1.932 was fifth in 1979-80 at 1.263.
2. Milwaukee had the highest total mill rate from 1979-80 to 1984-85 but dropped to number 2 in 1985-86, to number 4 in 1986-87, and to number 5 in 1989-90. Milwaukee had the highest mill rate for years prior to 1979-80.
3. Blackhawk had the largest increase in total mill rate .857 (88%) from 1979-80 to 1989-90.
4. Madison had the smallest increase in mill rate .263 (21%).
5. Northeast had the lowest total mill rate in 1989-90 (1.436) and Waukesha had the lowest operational mill rate of 1.37016.

Table 17 shows changes in valuation by district from 1979-80 to 1989-90. While all districts except Southwest show increases in valuation from 1979-80 to 1989-90, a majority of districts (12) decreased in valuation from 1985-86 to 1986-87. Some highlights of changes in valuation from 1979 to 1989 are as follows:

1. Waukesha had the highest percentage increase, 63.05%.
2. Southwest decreased 7.82%.
3. Milwaukee had the largest dollar value increase in valuation \$6,899,128,540 (33.91%) followed by Madison \$4,868,686,954 (44.75%).

Table 18 shows the changes in valuation between 1988-89 and 1989-90 (TID OUT) with the statewide total increasing 5.16%.

1. Waukesha had the largest percentage increase 9.1% (\$1,024,833,219).
2. Milwaukee had the largest dollar increase \$1,709,064,519 (6.69%).
3. All districts increased for the first time since this study was started four years ago.

TABLE 15
MILL RATES FOR OPERATIONAL, DEBT SERVICE, TOTAL 1979-80
AND TOTAL MILL RATE 1989-90
(Districts Rank Ordered by Mill Rate 1979-80)

Rank Order 1979-80	Rank Order 1989-90	District	1979-80 Operational Mill Rate	1979-80 Debt Service Mill Rate	1979-80 Total Mill Rate	1989-90 Total Mill Rate	1979-80 to 1989-90 Increase	% Change
1	5	Milwaukee	1.11353	0.29196	1.405	1.724	0.319	23%
2	10	Nicolet	1.20663	0.15848	1.365	1.668	0.303	22%
3	7	Chippewa Valley	1.21154	0.11542	1.327	1.705	0.378	28%
4	12	Mid-State	1.20334	0.08635	1.290	1.582	0.292	23%
5	1	Southwest	1.11622	0.14715	1.263	1.932	0.669	53%
6	15	Waukesha	1.05500	0.18210	1.237	1.500	0.263	21% LO
7	4	Western	1.03535	0.19185	1.227	1.786	0.559	46%
8	3	North Central	1.13137	0.08444	1.216	1.793	0.577	47%
9	14	Madison	1.01232	0.18378	1.196	1.531	0.335	28%
10	16	Northeast	1.07643	0.10715	1.184	1.436	0.252	21% LO
11	6	Lakeshore	0.98871	0.19770	1.181	1.718	0.537	45%
12	9	Indianhead	1.02986	0.14405	1.174	1.682	0.508	43%
13	8	Fox Valley	0.82668	0.24312	1.070	1.702	0.632	59%
14	11	Moraine Park	0.88336	0.18114	1.064	1.640	0.576	54%
15	13	Gateway	0.95003	0.04637	0.996	1.548	0.552	55%
16	2	Blackhawk	0.09536	0.01582	0.969	1.826	0.857	88% HI

TABLE 16

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION; Madison, Wisconsin

Mill Rate and Total Tax Levy - 1989-90 by District
(Districts Rank Ordered by Total Mill Rate)

Rank Order 89-90	Rank Order 88-89	District	Operational Mill Rate*	Debt Service Mill Rate	Total Mill Rate	Operational Levy**	Non-Operational Levy***	Debt Service Only	Total Levy	% Total Levy Change Over 1988-89
1	1	Southwest	1.50000	0.43184	1.932	3,984,789	19,255	1,152,750	5,156,794	3.9%
2	3	Blackhawk	1.50000	0.32639	1.826	5,664,075	9,500	1,234,532	6,908,107	6.1%
3	2	North Central	1.50000	0.29332	1.793	6,623,868	49,718	1,305,004	7,978,590	2.0%
4	6	Western	1.48560	0.30001	1.786	6,945,740	43,471	1,411,436	8,400,647	6.7%
5	4	Milwaukee	1.46154	0.26262	1.724	39,015,943	800,870	7,154,489	46,971,302	6.7%
6	7	Lakeshore	1.50000	0.21816	1.718	6,531,640	7,000	951,000	7,489,640	3.4%
7	5	Chippewa Valley	1.50000	0.20455	1.705	8,078,826	42,000	1,107,425	9,228,251	1.7%
8	9	Fox Valley	1.47500	0.22722	1.702	14,520,371	30,000	2,241,497	16,791,868	7.0%
9	11	Indianhead	1.46752	0.21427	1.682	9,560,651	36,148	1,401,247	10,998,046	7.5%
10	8	Nicolet	1.47000	0.19810	1.668	4,466,082	37,900	606,965	5,110,947	3.2%
11	10	Moraine Park	1.40323	0.23641	1.640	9,172,482	56,367	1,554,829	10,783,678	4.1%
12	12	Mid-State	1.46161	0.12055	1.582	5,777,069	9,942	338,500	6,125,511	3.6%
13	15	Gateway	1.46500	0.08299	1.548	15,402,035	8,750	873,029	16,283,814	12.8%
14	16	Madison	1.40000	0.13141	1.531	22,048,398		2,069,625	24,118,023	18.7%
15	13	Waukesha	1.37016	0.13021	1.500	16,837,000		1,600,000	18,437,000	11.0%
16	14	Northeast	1.40672	0.02919	1.436	12,305,226	1,097,268	278,146	13,680,640	1.7%
						186,934,195	2,248,189	25,280,474	214,462,858	7.5%

*Mill Rate for all funds except Debt Service. Subject to 1.5 mill rate limit.

**Tax Levy for General and Special Revenue Funds Only.

***Tax Levy for Capital, Financial Aids, Trust and Agency, and Proprietary Funds. Subject to 1.5 mill rate limit.

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TABLE 17

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
 EQUALIZED PROPERTY VALUATION
 1979-80 and 1989-90

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District	Valuation 1979-80 TID OUT	Valuation 1989-90 TID OUT	Change	% of Change	Rank*
-----	-----	-----	-----	-----	-----
Chippewa Valley	\$4,327,352,775	\$5,413,884,628	\$1,086,531,853	25.11%	10
Western	\$3,909,338,615	\$4,704,630,984	\$795,292,369	20.34%	13
Southwest	\$2,895,854,956	\$2,669,363,284	(\$226,491,672)	-7.82%	16
Madison	\$10,880,168,724	\$15,748,855,678	\$4,868,686,954	44.75%	4
Blackhawk	\$3,387,086,025	\$3,782,383,586	\$395,297,561	11.67%	15
Gateway	\$7,670,476,790	\$10,519,329,482	\$2,848,852,692	37.14%	5
Waukesha	\$7,536,558,171	\$12,288,302,726	\$4,751,744,555	63.05%	1
Milwaukee	\$20,343,944,189	\$27,243,072,729	\$6,899,128,540	33.91%	8
Moraine Park	\$5,344,837,998	\$6,576,853,697	\$1,232,015,699	23.05%	12
Lakeshore	\$3,499,925,498	\$4,359,093,622	\$859,168,124	24.55%	11
Fox Valley	\$6,542,398,331	\$9,864,660,892	\$3,322,262,561	50.78%	2
Northeast	\$6,524,290,059	\$9,527,471,915	\$3,003,181,856	46.03%	3
Mid-State	\$2,919,250,114	\$3,959,340,075	\$1,040,089,961	35.63%	7
North Central	\$3,738,682,559	\$4,449,057,744	\$710,375,185	19.00%	14
Nicolet	\$2,289,004,398	\$3,063,933,610	\$774,929,212	33.85%	9
Indianhead	\$4,807,807,252	\$6,539,461,208	\$1,731,653,956	36.02%	6
TOTAL	\$96,616,976,454	\$130,709,695,860	\$34,092,719,406	35.29%	

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*Rank from greatest percent of increase (1) to greatest percent of decrease (16).

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TABLE 18

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL AND ADULT EDUCATION
 SCHEDULE OF PROPERTY VALUATION BY DISTRICT

1988-89 and 1989-90
 TID OUT

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District	Valuation 1988-89 TID OUT	Valuation 1989-90 TID OUT	Change	% of Change	Rank*
-----	-----	-----	-----	-----	-----
Chippewa Valley	\$5,270,334,647	\$5,413,884,628	\$143,549,981	2.72%	15
Western	\$4,577,478,757	\$4,704,630,984	\$127,152,227	2.78%	14
Southwest	\$2,596,366,799	\$2,669,363,284	\$72,996,485	2.81%	13
Madison	\$14,917,239,057	\$15,748,855,678	\$831,616,621	5.57%	4
Blackhawk	\$3,666,942,586	\$3,782,383,586	\$115,441,000	3.15%	11
Gateway	\$9,845,168,015	\$10,519,329,482	\$674,161,467	6.85%	2
Waukesha	\$11,263,469,507	\$12,288,302,726	\$1,024,833,219	9.10%	1
Milwaukee	\$25,534,008,210	\$27,243,072,729	\$1,709,064,519	6.69%	3
Moraine Park	\$6,327,822,185	\$6,576,853,697	\$249,031,512	3.94%	7
Lakeshore	\$4,237,963,964	\$4,359,093,622	\$121,129,658	2.86%	12
Fox Valley	\$9,490,545,772	\$9,864,660,892	\$374,115,120	3.94%	7
Northeast	\$9,160,352,009	\$9,527,471,915	\$367,119,906	4.01%	6
Mid-State	\$3,833,532,040	\$3,959,340,075	\$125,808,035	3.28%	9
North Central	\$4,308,107,956	\$4,449,057,744	\$140,949,788	3.27%	10
Nicolet	\$2,984,153,435	\$3,063,933,610	\$79,780,175	2.67%	16
Indianhead	\$6,282,300,233	\$6,539,461,208	\$257,160,975	4.09%	5
TOTAL	\$124,295,785,172	\$130,709,695,860	\$6,413,910,688	5.16%	

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*Rank from greatest percent of increase (1) to greatest percent of decrease (16).

Table 19 shows the Cost/FTE by District for 1987-88 and 1988-89.

1. Nicolet and Waukesha had the highest cost/FTE in both years.
2. In 1988-89, six districts were above the state average cost/FTE, \$6,271, (Nicolet, Waukesha, Southwest, North Central, Moraine Park, and Fox Valley) and ten districts were at or below (Blackhawk, Lakeshore, Milwaukee, Indianhead, Gateway, Mid-State, Chippewa Valley, Northeast, Madison, and Western).

Table 19A shows Direct Costs, Indirect Costs, and Total Cost/FTE by District for 1988-89. Waukesha has the highest direct cost/FTE, \$6,169; Nicolet has the highest indirect cost/FTE, \$2,145, and the highest total cost/FTE, \$7,930. Western has the lowest direct cost/FTE, \$4,070, and Northeast the lowest indirect cost/FTE, \$1,026.

Table 20 shows Aidable Costs by District for 1988-89. Milwaukee had the highest net aidable amount, \$66,599,667; Nicolet had the lowest aidable amount, \$4,701,275.

State aids for 1988-89 are shown in Table 21. Seven districts (Chippewa Valley, Southwest, Blackhawk, Lakeshore, Mid-State, North Central, and Nicolet) received supplemental aids totaling \$1,850,925 over the state aids allocated by formula.

TABLE 19

TOTAL COST PER FTE BY DISTRICT
1987-88 and 1988-89
Total FTEs All State Codes

Rank	Cost Per FTE 1988-89	District	Cost/FTE	% +/- Average*	FTE	Rank # of FTEs	Rank	Cost Per FTE 1987-88	District	Cost/FTE	% +/- Average*	FTE	Rank # of FTEs
1		Nicolet	\$7,930	+26.5%	856	16	1	Nicolet	\$7,848		31.0%	875	16
2		Waukesha	\$7,704	+22.8%	3,209	7	2	Waukesha	\$7,261		21.2%	3,229	7
3		Southwest	\$7,261	+15.8%	1,114	15	3	Southwest	\$6,526		9.0%	1,206	15
4		North Central	\$6,742	+ 7.5%	2,442	11	4	North Central	\$6,373		6.4%	2,404	11
5		Moraine Park	\$6,299	+ .4%	2,482	10	5	Blackhawk	\$6,333		5.7%	1,620	14
6		Fox Valley	\$6,297	+ .4%	4,373	3	6	Moraine Park	\$6,101		1.9%	2,406	10
7		Blackhawk	\$6,271	0	1,836	13	7	Lakeshore	\$6,011		0.4%	2,004	12
8		Lakeshore	\$6,161	- .1%	2,027	12	8	Milwaukee	\$5,764		-3.8%	12,551	1
9		Milwaukee	\$6,142	- .5%	12,692	1	9	Indianhead	\$5,742		-4.1%	2,560	9
10		Gateway	\$6,091	- 1.3%	4,277	4	10	Fox Valley	\$5,699		-4.8%	4,258	3
11		Indianhead	\$5,877	- 6.3%	2,661	9	11	Gateway	\$5,677		-5.2%	4,035	4
12		Chippewa Valley	\$5,700	- 9.1%	3,522	6	12	Mid-State	\$5,608		-6.4%	1,719	13
13		Mid-State	\$5,579	-11.0%	1,833	14	13	Chippewa Valley	\$5,424		-9.4%	3,395	6
14		Madison	\$5,568	-11.2%	7,396	2	14	Northeast	\$5,271		-12.0%	3,986	5
15		Northeast	\$5,488	-12.5%	3,995	5	15	Madison	\$5,206		-13.1%	7,246	2
16		Western	\$5,224	-16.7%	3,181	8	16	Western	\$4,973		-17.0%	3,155	8
			\$6,271 *		3,619			Average	\$5,989 *			3,540	

*Unweighted average of districts (actual average statewide is \$6,096, 1988-89 and \$5,775, 1987-88).

Source: 1987-88 and 1988-89 Cost Allocation Summary (Actual); Wisconsin Board of Vocational, Technical and Adult Education. MATC Research, Planning, and Development; January 1990

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TABLE 19A

COMPARISON OF DIRECT COSTS, INDIRECT COSTS,
AND TOTAL COST PER FTE BY DISTRICT
1988-89

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Direct Costs			Indirect Costs		Total Costs	
Rank	District	Cost/ FTE	Rank	Cost/ FTE	Rank	Cost/ FTE
1	Waukesha	\$6,169	7	\$1,535	2	\$7,704
2	Nicolet	\$5,785	1	2,145	1	7,930
3	Southwest	\$5,415	3	1,846	3	7,261
4	North Central	\$5,258	8	1,504	4	6,762
5	Gateway	\$4,761	11	1,330	10	6,091
6	Fox Valley	\$4,727	6	1,570	6	6,297
7	Milwaukee	\$4,697	9	1,445	9	6,142
8	Indianhead	\$4,669	12	1,208	11	5,877
9	Blackhawk	\$4,575	5	1,696	7	6,271
10	Chippewa Valley	\$4,534	13	1,166	12	5,700
11	Madison	\$4,478	15	1,090	14	5,568
12	Northeast	\$4,462	16	1,026	15	5,488
13	Lakeshore	\$4,425	4	1,736	8	6,161
14	Moraine Park	\$4,399	2	1,900	5	6,299
15	Mid-State	\$4,186	10	1,393	12	5,579
16	Western	\$4,070	14	1,154	16	5,224
	Unweighted Average	\$4,788		\$1,484		\$6,272

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Direct costs unweighted = \$4,788/FTE; 4 districts are above this average, 12 are below.

Indirect costs unweighted average = \$1,484/FTE; 8 districts are above this average, 8 are below.

Total costs unweighted average = \$6,272; 6 districts are above this average, 10 are below.

TABLE 20

AIDABLE COSTS BY DISTRICT
1987-88 AND 1988-89

1987-88			1988-89		
District	Net Aidable Amount	% of Total	District	Net Aidable Amount	% of Total
Milwaukee	\$61,889,226	23.2%	Milwaukee	\$66,599,667	23.6%
Madison	\$31,420,476	11.8%	Madison	\$33,733,608	11.9%
Fox Valley	\$19,450,113	7.3%	Fox Valley	\$21,905,617	7.7%
Waukesha	\$19,066,885	7.2%	Waukesha	\$20,025,838	7.1%
Gateway	\$17,824,478	6.7%	Gateway	\$19,680,261	7.0%
Northeast	\$15,963,353	6.0%	Northeast	\$16,271,572	5.8%
Chippewa Valley	\$14,373,640	5.4%	Chippewa Valley	\$15,214,283	5.4%
Moraine Park	\$12,962,625	4.9%	Western	\$13,443,480	4.8%
Indianhead	\$12,774,539	4.8%	Moraine Park	\$13,370,818	4.7%
Western	\$12,568,884	4.7%	Indianhead	\$13,332,709	4.7%
North Central	\$11,625,005	4.4%	North Central	\$12,255,635	4.3%
Lakeshore	\$9,750,421	3.7%	Lakeshore	\$9,823,524	3.5%
Blackhawk	\$8,178,508	3.1%	Blackhawk	\$8,337,289	2.9%
Mid-State	\$7,593,912	2.8%	Mid-State	\$7,719,145	2.7%
Southwest	\$6,461,452	2.4%	Southwest	\$6,340,759	2.2%
Nicolet	\$4,678,563	1.8%	Nicolet	\$4,701,275	1.7%
	\$266,582,080	100.0%		\$282,755,480	100.0%

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TABLE 21

STATE AID ANALYSIS - 1988-89

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District	State Aid Prorated	% of Total	Limited Fiscal Capacity Award	Total All State Aids	Percent All State Aids
-----	-----	-----	-----	-----	-----
Milwaukee	\$20,929,021	24.6%		\$20,929,021	23.84%
Madison	\$10,289,389	12.1%		\$10,289,389	11.72%
Chippewa Valley	\$6,404,989	7.5%	\$67,300	\$6,472,289	7.37%
Fox Valley	\$6,336,097	7.5%		\$6,336,097	7.22%
Western	\$5,938,054	7.0%		\$5,938,054	6.76%
Gateway	\$5,462,664	6.4%		\$5,462,664	6.22%
North Central	\$4,423,417	5.2%	\$320,247	\$4,743,664	5.40%
Northeast	\$4,380,646	5.2%		\$4,380,646	4.99%
Indianhead	\$3,591,273	4.2%		\$3,591,273	4.09%
Waukesha	\$3,588,710	4.2%		\$3,588,710	4.09%
Moraine Park	\$3,318,130	3.9%		\$3,318,130	3.78%
Lakeshore	\$2,991,109	3.5%	\$123,900	\$3,115,009	3.55%
Blackhawk	\$2,637,394	3.1%	\$357,861	\$2,995,255	3.41%
Mid-State	\$2,341,879	2.8%	\$53,217	\$2,395,096	2.73%
Southwest	\$1,703,952	2.0%	\$864,400	\$2,568,352	2.93%
Nicolet*	\$643,176 *	0.8%	\$64,000	\$1,677,176 *	1.91%
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	\$84,979,900	100.0%	\$1,850,925	\$87,800,825	100.00%

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*Nicolet received supplemental state aids for College Parallel courses in 1985-86 and 1986-87 of \$856,200 in both years; \$996,529 in 1987-88; and \$970,000 in 1988-89 which is included in the \$1,613,176 total above.

VII. TUITION IN WISCONSIN TECHNICAL COLLEGES

As shown in Table 22 and Graph 5, VTAE college parallel tuition (\$796) for 16 credits per semester in 1989-90 is second only to UW-Madison and UWM at \$896.50 per 16 credits in the University System. Tuition has increased by \$484 or 605% to \$564 for 16 credits of VTAE associate degree courses from 1975-76 to 1988-89. Comparatively from 1975-76 to 1988-89, UW two-year center tuition has increased by \$363.50 or 139% to \$625.50.

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TABLE 22
COMPARISON OF UW SYSTEM UNDERGRADUATE RESIDENT TUITION TO
TECHNICAL COLLEGE ASSOCIATE DEGREE AND COLLEGE PARALLEL
1975-76 to 1989-90

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Year	TECHNICAL COLLEGE			UW-UWM	4-Year Cluster	2-Year Centers
	Associate Degree		College Parallel			
	12 Credits Per Sem.	16 Credits Per Sem.	16 Credits Per Sem.	12 or More Credits	12 or More Credits	12 or More Credits
1975-76	\$60.00	\$80.00	\$208.00	\$270.00	\$262.00	\$262.00
1976-77	\$81.60	\$108.80	\$240.00	\$287.00	\$272.00	\$259.00
1977-78	\$91.20	\$124.16	\$240.00	\$315.50	\$290.50	\$279.00
1978-79	\$108.00	\$144.00	\$240.00	\$356.00	\$310.00	\$305.00
1979-80	\$120.00	\$160.00	\$288.00	\$384.50	\$338.50	\$338.50
1980-81	\$146.00	\$195.20	\$308.80	\$416.00	\$360.50	\$360.50
1981-82	\$159.60	\$212.80	\$340.80	\$432.50	\$376.50	\$376.50
1982-83	\$171.60	\$228.80	\$352.00	\$497.00	\$418.00	\$418.00
1983-84	\$183.60	\$244.80	\$412.80	\$532.50	\$443.00	\$418.00
1984-85	\$220.80	\$294.40	\$454.40	\$575.00	\$490.00	\$432.50
1985-86	\$261.00	\$348.00	\$523.20	\$627.50	\$538.50	\$512.00
1986-87	\$295.20	\$393.60	\$586.40	\$715.50	\$601.00	\$576.50
1987-88	\$336.60	\$448.80	\$669.85	\$781.50	\$652.50	\$625.50
1988-89	\$387.00	\$516.00	\$739.20	\$839.50	\$681.50	\$625.50
1989-90	\$423.00	\$564.00	\$796.00	\$896.50	\$728.50	\$625.50

Change						
1975-76 to	\$363.00	\$484.00	\$588.00	\$626.50	\$466.50	\$363.50
1989-90	605%	605%	283%	232%	178%	139%

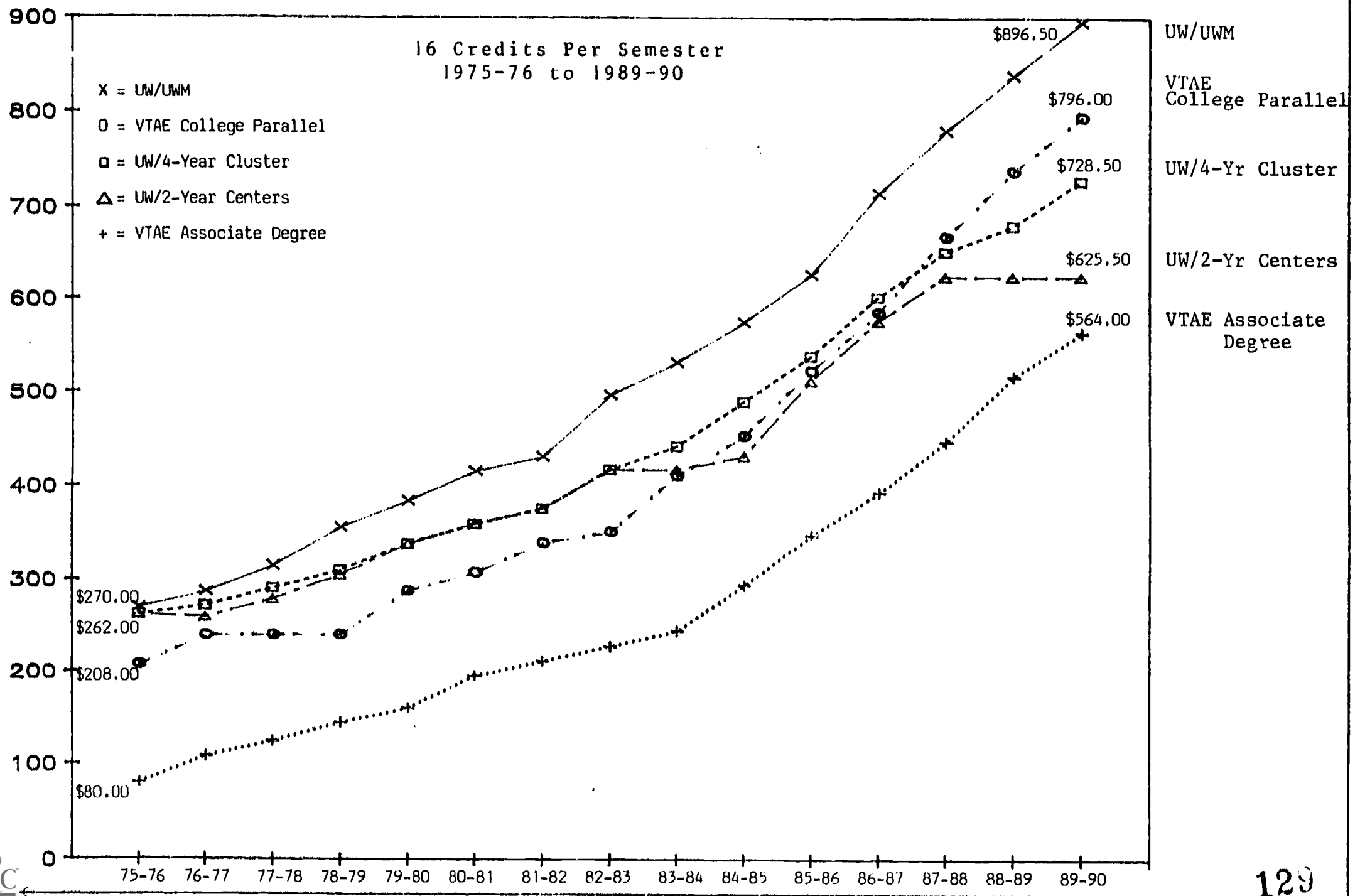
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Tuition numbers in tables do not include fees. Fees vary widely by school depending upon services provided by fees (example: health services, student facilities, books, etc.). Students at VTAE schools are not provided all of the services which are provided in the UW System and paid for by students with segregated fees.

Source: State Technical College Board - UW-System Business Operations, 1975-76 to 1988-89

Research, Planning, and Development
 DR:jm Rev. 1/8/90

COMPARISON OF VTAE AND UW SYSTEM UNDERGRADUATE RESIDENT TUITION



VIII. TUITION OR FEES AT COMMUNITY OR TECHNICAL COLLEGES
IN THE UNITED STATES AS COMPARED TO WISCONSIN

It is not possible to get exact comparisons of tuition/fees for community colleges across the United States. Different sources give variant information but it is possible to classify states in general terms as to the level of their tuition/fees.

It is also not possible to get precise comparisons of sources of revenue for community colleges across the United States. Different definitions are often used for local or state revenue sources. For example, "local" does not consistently mean "local property tax" but is often anything except federal and state support and state tuition.

However, some general conclusions and comparisons can be made regarding Wisconsin Technical Colleges.¹

1. Wisconsin is the only state that differentiates in tuition between occupational associate degree and college parallel.
2. Wisconsin is near the median in tuition charges for public two-year colleges.
3. Wisconsin may have the highest local taxes for two-year colleges in the United States (see Table 2.2 Percent of Operating Funds by Source).
4. The proportion of revenues from local taxes for Wisconsin two-year technical colleges may be the highest in the United States.* In 1985-86, 54% of VTAE revenues came from local taxes. Sources of revenues by state obtained from a 1989 AACJC publication shows only one state, Arizona 51%, received more than 50% of its revenues from local sources. There are only 3 states out of 49 (Wisconsin, Arizona, and Oregon 44%) that received more than 35% of revenue locally. In the great majority of cases, it is less than 30% and in some it is less than 1%.

Students in technical colleges in Wisconsin are paying tuition at a level that is beyond their means and at the same time local property taxpayers are paying the highest proportion of costs for technical colleges in the United States.

- * Source of data: Community Colleges in the United States: Forty-Nine State Systems, Ben E. Fountain and Terrance A. Tollefson, AACJC 1989. Data in this publication is for 1985-86 or 1986-87 in most cases. More recent comparable data for the same year is not available.

¹Tuition or fees at Community Colleges in the United States, Dennis W. Redovich, Milwaukee Area Technical College, October 1989.

STATE PROCEDURES

TABLE 2.2
PERCENT OF 1985-86 OPERATING FUNDS BY SOURCE

State	State %	Local %	Student Fees %	Federal %	Other %	Total Funds
Alabama	64.0	1.0	12.0	16.0	7.0	204,000,000
Alaska*	74.9	2.13	11.1	3.0	6.4	-
Arizona						
Arkansas	77.0	0	19.0	1.0	3.0	25,561,307
California	61.63	29.28	4.27	0	4.82	1,701,153,544
Colorado	58.9	0	25.6	0	15.5	78,035,313
Connecticut	68.85	0	24.45	6.7	0	59,971,572
Delaware	78.0	0	13.0	9.0	0	32,000,000
Florida	74.68	0.04	22.03	0.27	2.98	481,937,469
Georgia	78.0	0	21.0	0	1.0	68,634,872
Hawaii						
Idaho	38.7	31.8	14.3	4.3	10.8	15,018,800
Illinois	37.0	34.8	23.2	0.5	4.5	513,487,504
Indiana	64.0	0	36.0	0	0	77,610,000
Iowa	49.07	10.96	30.72	5.31	3.94	137,610,836
Kansas	25.2	59.4	9.8	2.3	3.3	105,710,633
Kentucky	74.8	0.2	24.8	0.1	0.1	42,420,293
Louisiana	69.24	0	30.14	0.24	0	16,729,582
Maine						
Maryland	40.0	32.0	27.0	0	2.0	196,886,793
Massachusetts						
Michigan	40.6	25.3	29.1	1.5	3.5	413,346,318
Minnesota	64.0	0	36.0	0	0	89,668,328
Mississippi	15.8	16.7	17.0	6.4	14.1	125,619,077
Missouri	39.8	28.7	20.5	2.6	8.4	119,148,025
Montana	42.5	38.8	7.2	7.4	4.0	-
Nebraska	36.8	42.5	15.9	1.7	3.1	60,992,309
Nevada	81.2	0	17.3	0	16.6	21,452,317
New Hampshire						
New Jersey	34.0	30.0	28.0	0	8.0	-
New Mexico	77.7	5.9	10.7	.9	4.8	-
New York SUNY	33.8	31.6	28.2	1.5	4.9	32,814,132
North Carolina	78.6	12.3	5.7	3.2	0.2	304,901,343
North Dakota						
Ohio	48.89	21.56	25.8	0.13	3.62	141,797,410
Oklahoma*	79.1	0	12.4	0	7.9	-

(continued)

TABLE 2.2—Continued

State	State %	Local %	Student Fees %	Federal %	Other %	Total Funds
Oregon	34.7	48.3	17.0	0	0	165,124,828
Pennsylvania	37.4	27.2	35.0	0.4	0	207,449,869
Rhode Island	74.0	0	23.0	0	1.0	29,256,456
South Carolina	67.74	8.22	14.55	0.75	2.49	133,657,528
South Dakota			No community colleges			
Tennessee	77.3	0	16.9	0	1.3	73,079,700
Texas	61.33	17.0	11.58	4.41	5.68	757,502,517
Utah	58.0	0	18.0	5.0	19.0	67,552,507
Vermont						
Virginia**	69.7	0	21.9	5.7	2.7	213,034,141
Washington	84.6	0	15.4	0	0	244,990,332
West Virginia	70.0	0	19.0	6.0	5.0	14,559,000
Wisconsin	26.0	53.0	16.0	5.0	0	304,932,500
Wyoming	64.0	30.0	6.0	0	0	53,810,091

* 1984-85 reported data

** 1986-87 reported data

NOTE: These are as reported by state officials and a few do not total 100%.

Source: Financing Community Colleges, 1988, AACJC.

Highlights

78.5% or 33 states of 42 above had local operating funds of 30% or less.

42.2% or 19 had 0% to 1% local operating funds.

11.9% or 5 had more than 30% local.

4.8% or 2 had more than 40% local.

4.8% or 2 had more than 50% local--Wisconsin and Kansas.

5. Wisconsin is like all other states except Florida in having a uniform tuition for occupational associate degree and diploma/certificate courses.

Wisconsin has one of the highest tuitions in the United States for college parallel courses. In the United States, university tuition is on the average twice the two-year college rate. Tuition for college parallel courses at Wisconsin Technical Colleges is higher than tuition of the UW four-year cluster and two-year centers.

CONCLUSIONS

The following are conclusions of the author based upon analysis of operational planning and other data not included in the text.

1. Enrollment in VTAE schools is more dependent upon economic and social changes than population changes. Availability of employment, economic, and social forces determine the number of people who enter postsecondary education and the level of education selected (diploma, certificate, associate degree, bachelor's degree).
2. In the last twenty years, college enrollments in the United States, including two-year institutions, have increased by more than 50% even though the number of high school graduates has decreased by more than 15%. In the state of Wisconsin, the percentage of students continuing their education has also increased dramatically and the percentage of dropouts is declining.
3. The quality of education in a majority of high schools has improved in the last ten years. The number of high school dropouts in Wisconsin has decreased from 17,222 in 1977-78 to 8,280 in 1987-88.
4. The technical colleges in the state of Wisconsin are the major providers of postsecondary education for minorities. More than 6% of technical college headcount enrollments are minorities.
5. A major stabilizing influence on technical college enrollments in the last five years or more is the increasing FTEs being generated by GOAL programs and Basic Skills courses. Some districts would have declined in enrollment without these FTEs in the last five years.
6. There does not seem to be significant unnecessary duplication of programs between districts. Over time since the 1960s, each VTAE district has developed programs and curricula that are designed to meet the needs of the local communities. One hundred ninety (190, 56.2%) of 338 programs with graduates are offered in only one district. Only 3 programs are offered in all 16 districts.
7. Attempts by the State Board to regionalize programming are unnecessary. Market forces determine the vitality of programs in each district and local boards are very conscious of costs. It is unfair to local residents to have to travel to other communities at considerable individual cost when it is not necessary. Voluntary cooperative efforts between districts in programming may be required.
8. Graduates from the VTAE system are primarily from long-established programs (office occupations, distributive education, service and health occupations, technical, and industrial). In 1988-89 about two-thirds (64%) of the graduates of the system were from 39 (12%) of the 338 programs producing graduates.
9. Technological change, primarily microcomputers and computer-related equipment, has provided new tools for established professions and VTAE programs. Students must learn to utilize these new tools and VTAE education must provide state-of-the-art equipment for its occupational programs.

10. New programs provide relatively few graduates in the VTAE system. The 113 new degree, diploma, and certificate programs approved by the state since 1980 produced 963 or 6.7% of all graduates in 1988-89. This does not mean that VTAE schools are not responsive to change. VTAE schools are flexible and respond to the needs of business and industry by updating long-established programs and providing customized courses and training activities. Emerging new occupations having all new occupational tasks are few in number.
11. VTAE programs grow, decline, and die primarily because of "market forces" and student demand and not often because of deliberate planning and projecting. Market forces are primarily motivated by employment availability and volume of jobs available. A small number of occupational groups account for the majority of total job growth in the state and nation (retail sales workers, waiters and waitresses, nurses, custodial workers, general managers and executives, cashiers, office clerks, etc.). Nursing Assistant programs in the VTAE system produced more graduates in 1988-89 (1,350) than the 113 new associate degree, diploma, and short-term programs (963) approved by the state since 1980.
12. The reason that the VTAE system cannot precisely project emerging occupations and enrollments in individual programs is that "experts" are unable to project anything precisely for any length of time because economic and social forces can change (up, down, and sideways) quickly while reliable projections depend upon a relatively unchanging future. High technology emerging occupations provide a relatively small number of jobs.
13. District boards and administrators are responsive to the needs of the community including the effects of VTAE educational programming on the taxpayers of their district. State aid support for VTAE has declined from 37% to 29% since the 1970s. While Wisconsin residents pay one of the highest local taxes for technical colleges, state aids are one of the lowest as percentage of revenues in the United States.
14. Tuition and fees for VTAE students is above their ability to pay and is a negative economic factor affecting enrollments. This is illustrated by study of the starting salaries of graduates. Service and Health Occupations are replacing technical and industrial as the highest paying occupations. Nursing at \$22,152 per year has the highest median salary for graduates of all programs in the state in 1988. The median salary of graduates was \$14,448 annually in 1988 which is about \$7.00 per hour with a 40-hour week.
15. One of the reasons technical college tuition has been increasing in double digit percentages is that costs for fee exempt courses are used in calculating tuition for students in courses in which tuition is charged. GOAL, ESL, and Basic Skills courses alone represented 9.3% of FTEs statewide in 1988-89. Other nontuition FTEs, such as Adult High School, made the total FTEs statewide about 14% of total 57,893 FTEs. Tuition-paying students are subsidizing fee exempt programs.
16. Programs with few or no graduates provide individual courses that are utilized for job training. Over 80% of VTAE program students are enrolled in fewer than 12 credits in a given semester. A majority of MATC students are interested in completing selected courses rather than a program. Only 5% of total headcount enrollment are full-time students enrolled in programs.

COMMON MYTHS IN THE VTAE SYSTEM

The following myths were first published in this study in 1989. These myths are harmless general statements that are said by "experts" and repeated by others. They are harmless because specific action is seldom taken based on them because no one really knows what to do. However, the system is often criticized for not acting on them. The writer has not heard any challenges to these myths as yet, but welcomes them.

Labor Market Information and Projections

1. a. Labor market demand can be projected quantitatively for individual VTAE programs statewide or by district if only someone gathered the "right" data and organized it properly.
OK
 - b. Statewide assessment of employer training needs can be carried out and used to determine training needs for all new or existing programs in the districts.
2. There is a large and significant mismatch of jobs and qualified people.
3. VTAE Districts or a State VTAE system can alleviate identified mismatching by adding new programs.
4. Future labor market projections can be used as the primary criterion for discontinuing a currently viable program.

High Tech

1. "High-Tech" occupations are the emerging high employment growth occupations of the future.
2. VTAE schools are not responsive to demands by business and industry for new "High-Tech" programs in emerging and growth occupations.
3. Because of "high tech," workers will change their basic occupations many more times in the future than workers did in the past.
4. Because of "high tech," there are many new occupations that do not exist today that will employ large numbers of people in the 1990s and the next century.

Enrollment Management

1. Centralized statewide planning and analyses can correctly determine the level of support and extent of offerings required by the competing needs of occupational education and training, adult basic education, college parallel, customized training, technical assistance, and student support services statewide.
2. Student demand can be accurately projected and enrollments in programs effectively controlled on a statewide basis to satisfy the "needs" of students and business and industry.

High School Education in Wisconsin

1. The quality of high school graduates is declining in Wisconsin in most schools.
2. High school dropout rates and numbers have increased in the last ten years in Wisconsin.

Fiscal Planning and Management

Basic Assumptions for VTAE Central Planning

1. District boards and district administrators are not concerned about duplication of programs and services, personnel and operational costs, and are not familiar with taxpayer "needs."
2. District boards and district administrators are not able to effectively control costs because their primary concern is to please all special interests in the district and offer every program and service possible regardless of cost.
3. District boards and district administrators are political, arrogant, and do not react to the needs of the community or business and industry.
4. Statewide planning is less political, more responsive and flexible, reduces costs, and will better meet the "needs" of the people and business and industry of the state.
5. Cost reductions require that programs be discontinued. Districts cannot reduce costs sufficiently by cutting back on course offerings, departments, services, operations, and administration.

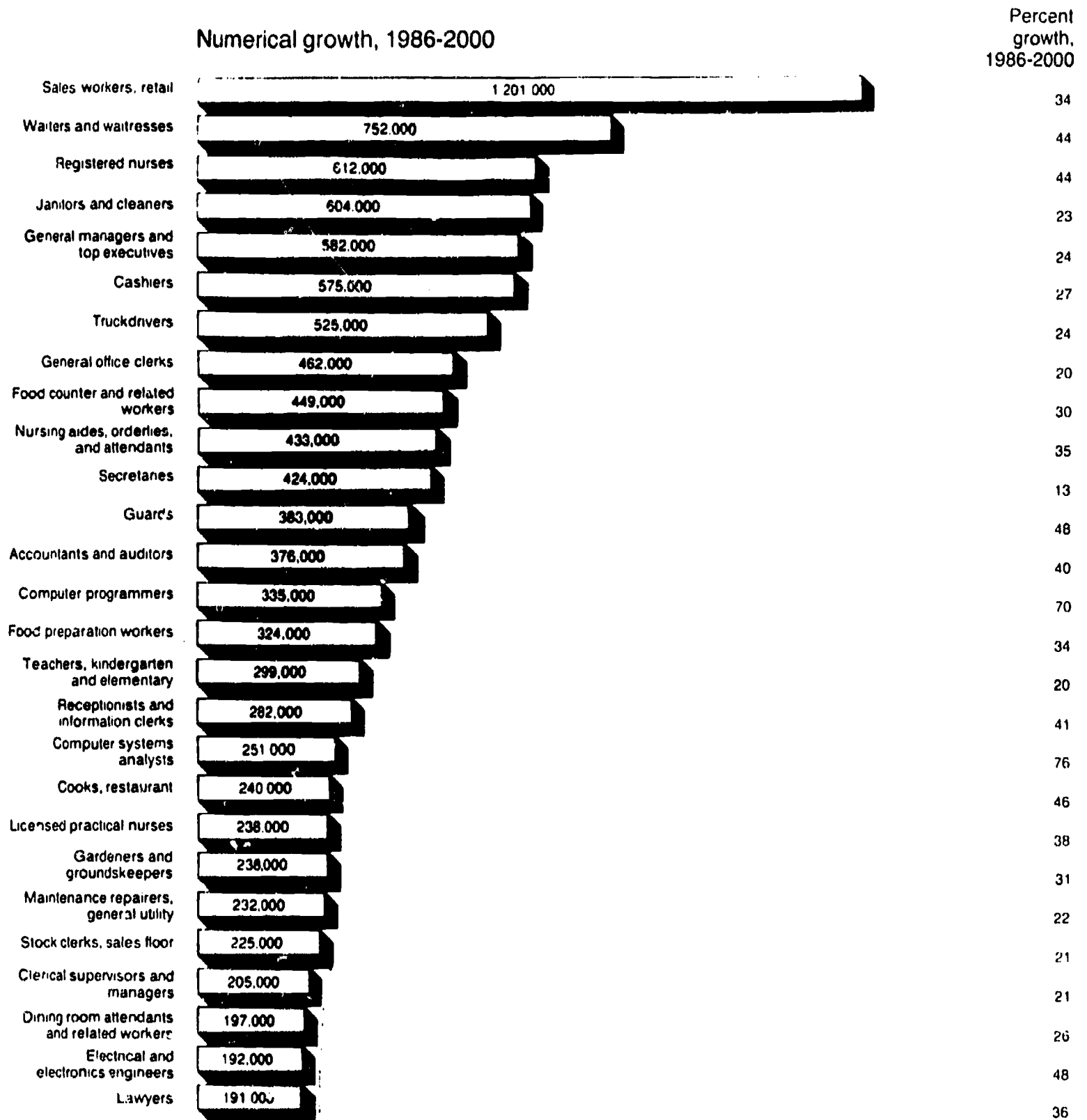
Meaningful cost reductions require that some personnel be laid off. Shifting and retraining of personnel and not filling positions of personnel who leave voluntarily is not satisfactory since no employees are hurt by these procedures, which is a sign of weak management and failure to "bite the bullet."

6. Districts at the 1.50 mill rate are the highest cost/FTE districts and are poorly managed.
7. The vocational-technical student's ability to pay is similar to UW students.
8. District boards are not concerned about costs and are responsible for a great amount of unnecessary and costly expansion of VTAE facilities. State Board and state staff continually approve costly expansions without careful review of "needs" and cost.

All of the above basic assumptions are false in the opinion of the writer. Individual examples may be found which would support the statements, but in most cases the opposite of the above is true.

The opinions expressed in this report are those of the writer and not necessarily those of all of the State Research, Planning, and Development Committee or State Board staff who reviewed this report prior to publication. Responses by committee members and state staff to drafts of data and conclusions in the report were generally favorable.

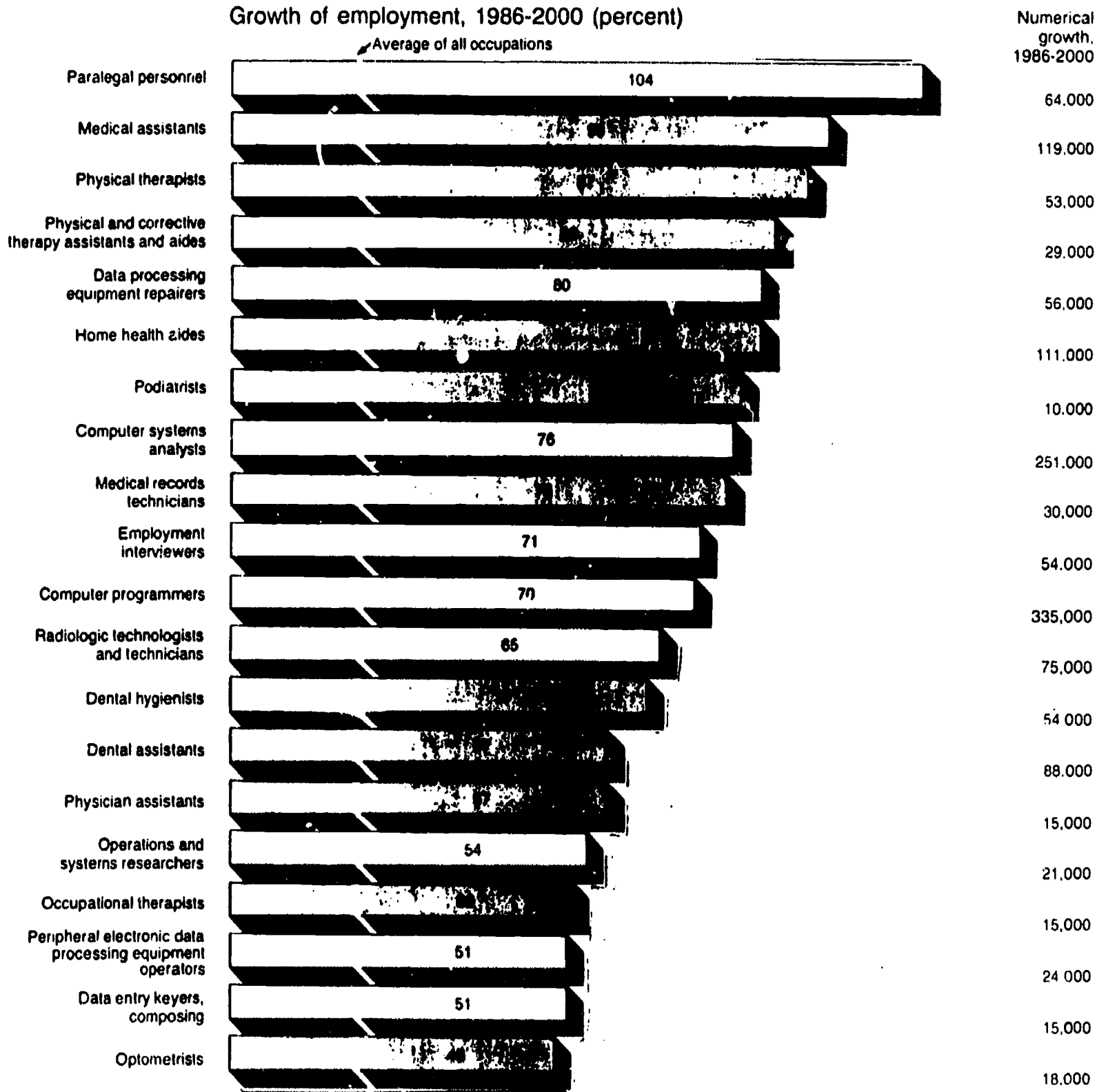
A small number of occupations will account for more than one-half of total job growth.



Most of these occupations are growing faster than the average for all occupations.

Those growing less rapidly are very large, so that the numerical increase is still great.

Twelve of the twenty fastest growing occupations provide health services.



The number of paralegal personnel—the fastest growing occupation—is expected to double.

Four of the twenty fastest growing occupations are in the computer field.

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

23:51 TUESDAY, JANUARY 16, 1990

----- FISCAL YEAR=1988-89 -----

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05
30-850-3	ADULT LEARNING	27,248	0	2,114	169	0	1,942
10-101-1	ACCOUNTING	5,983	261	263	58	1,549	203
20-800-1	COLLEGE PARALLEL	5,696	0	0	0	3,245	0
10-510-1	NURSING-TECHNICAL	3,603	257	405	66	250	341
10-107-1	DATA PROCESSING	3,315	145	94	23	1,318	76
10-196-1	SUPERVISORS MANAGEMENT	3,167	52	125	9	860	197
10-104-3	MARKETING	3,082	164	118	43	580	141
30-090-1	FARM BS. AND PRODUCTION MGMT.	3,043	472	12	384	348	108
10-504-1	POLICE SCIENCE	2,252	175	133	0	411	127
30-510-1	NURSING ASSISTANT	2,010	149	202	127	88	120
10-106-2	ADMIN. ASST. - SECRETARIAL	1,758	65	0	15	321	38

PROGRAM NO.	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
30-850-3	8,437	2,826	0	2,195	2,125	0	1,000	1,960	1,743	495	2,242
10-101-1	438	641	572	298	168	431	394	155	214	108	230
20-800-1	0	0	1,380	0	0	0	0	0	0	1,071	0
10-510-1	449	344	389	168	57	359	254	0	157	0	107
10-107-1	210	362	377	0	44	214	146	118	136	0	52
10-196-1	143	184	61	119	136	147	300	195	40	0	599
10-104-3	286	307	235	125	109	330	252	70	178	33	111
30-090-1	76	0	0	112	15	458	282	131	327	0	318
10-504-1	146	223	382	72	31	225	206	23	71	27	0
30-510-1	154	16	155	55	140	123	137	101	140	62	241
10-106-2	211	266	110	113	42	74	158	42	47	43	213

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APPENDIX B

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

23:51 TUESDAY, JANUARY 16, 1990

FISCAL YEAR=1988-89

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
10-605-1	ELECTRONICS	1,486	133	35	0	256	73	114	282	156	0	27	148	76	73	64	0	49
10-102-3	BUSINESS MID-MANAGEMENT	1,379	0	0	0	574	0	0	0	560	0	0	0	0	0	0	245	0
10-606-1	MECHANICAL DESIGN TECHNICIAN	1,334	50	70	29	143	64	73	187	133	107	52	179	97	54	54	8	34
10-106-7	ADMIN ASST - INFO PROCESSING	1,082	159	94	0	151	0	203	0	195	0	48	176	0	0	0	56	0
31-106-1	OFFICE ASSISTANT	1,003	35	63	21	306	29	106	36	103	65	0	67	68	80	14	10	0
10-620-1	ELECTRO-MECHANICAL TECHNOLOGY	837	96	26	42	0	49	134	0	33	109	43	148	97	0	60	0	0
10-194-1	REAL ESTATE	820	27	0	0	503	0	0	185	41	0	0	6	0	0	0	58	0
10-201-1	COMMERCIAL ART	811	0	105	0	404	0	0	0	302	0	0	0	0	0	0	0	0
31-101-1	ACCOUNTING ASSISTANT	788	79	0	0	193	50	99	51	0	50	0	1	111	115	35	4	0
31-442-1	WELDING	766	37	37	11	270	53	0	83	78	0	1	0	46	35	28	0	87
10-520-3	HUMAN SERVICES ASSOCIATE	743	0	0	0	110	0	176	0	457	0	0	0	0	0	0	0	0
10-104-4	MARKETING-FASHION MERCHANDISING	705	60	45	16	85	47	59	106	67	49	0	86	51	0	0	0	32
32-420-5	MACHINE TOOLING TECHNIC	695	71	45	0	179	0	0	105	0	104	0	0	40	0	66	29	56
32-404-2	AUTOMOTIVE MECHANICS	667	74	51	57	124	31	6	0	0	53	0	0	82	30	44	24	91
31-509-1	MEDICAL ASSISTANT	657	0	26	0	153	52	79	108	27	0	35	0	50	89	0	0	38
31-107-4	DATA ENTRY OPERATIONS	590	55	0	51	403	0	0	0	0	0	0	0	81	0	0	0	0
10-623-1	INDUSTRIAL ENGINEERING TECHNIC	587	22	34	0	0	40	38	232	54	68	9	70	0	0	20	0	0
50-410-1	CARPENTRY (CONSTRUCTION)	554	22	19	0	45	7	29	80	180	31	22	37	29	20	22	0	11
10-110-1	LEGAL ASSISTANT	547	143	67	0	0	0	0	0	144	0	82	0	111	0	0	0	0
10-304-1	INTERIOR DESIGN	546	0	46	0	150	0	90	0	107	0	0	153	0	0	0	0	0
50-427-3	TECH PLUMBING	526	30	37	19	76	7	34	0	106	44	26	0	58	23	17	20	29
10-109-2	HOSPITALITY MANAGEMENT	490	57	0	0	180	0	0	129	0	0	0	58	0	0	0	40	16
31-404-3	AUTOMOTIVE SERVICING	481	0	0	0	134	11	50	66	170	0	24	0	14	0	0	12	0
10-605-3	ELECTRONICS-COMPUTER	458	0	0	0	0	0	138	0	124	55	0	0	0	83	0	0	58
50-423-1	MILLWRIGHT	452	8	15	0	27	8	6	18	7	19	45	104	84	34	60	17	0

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

23:51 TUESDAY, JANUARY 16, 1990

FISCAL YEAR=1988-89

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	B Y D I S T R I C T																
			01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17	
31-404-1	AUTO BODY	447	47	14	11	34	19	34	88	43	15	13	30	34	27	17	0	21	
31-103-5	WORD PROCESSOR SPECIALIST	443	0	0	28	0	40	51	0	61	0	10	0	63	89	0	0	101	
10-307-1	CHILD CARE AND DEVELOPMENT	436	0	54	41	59	0	67	0	93	0	0	122	0	0	0	0	0	
31-510-1	PRACTICAL NURSING	424	0	0	22	161	0	0	0	132	69	1	0	34	5	0	0	0	
10-511-1	RESTAURANT AND HOTEL COOKERY	411	31	0	0	74	22	0	0	173	40	0	71	0	0	0	0	0	
30-504-1	BASIC POLICE RECRUIT SCHOOL	401	75	0	0	110	0	0	68	0	7	18	0	0	0	36	0	87	
31-420-1	MACHINE TOOL OPERATION	398	0	8	13	0	40	34	46	86	8	64	0	50	0	16	10	23	
10-514-1	OCCUPATIONAL THERAPY TECHNICIAN	394	0	0	0	112	0	0	0	108	0	0	174	0	0	0	0	0	
10-102-6	BANKING & FINANCIAL SERVICES	389	0	0	0	0	0	209	0	118	0	0	62	0	0	0	0	0	
31-502-1	BARBER/COSMETOLOGIST	388	6	0	28	0	0	62	0	74	74	0	0	9	52	0	33	50	
50-413-2	ELECTRICITY (CONSTRUCTION)	376	72	17	0	0	27	23	0	0	0	3	75	33	85	41	0	0	
50-432-1	SHEET METAL CONSTRUCTION	364	0	13	0	48	0	30	0	156	0	1	52	17	16	31	0	0	
10-614-1	APR TURAL	359	0	0	0	190	0	0	0	78	0	0	0	91	0	0	0	0	
50-413-3	IRICAL CONSTRUCTION (TECH)	351	0	0	0	81	0	0	0	270	0	0	0	0	0	0	0	0	
10-106-3	LEGAL SECRETARY	333	0	30	27	0	51	0	0	108	60	0	0	0	0	57	0	0	
31-307-1	CHILD CARE SERVICES	326	52	0	8	17	55	0	47	14	56	33	0	0	29	0	0	15	
10-107-2	DATA PROCESSING/COMPUTER OPER.	320	0	0	0	107	0	0	0	0	92	0	0	0	0	0	121	0	
50-413-1	INDUSTRIAL ELECTRICIAN APPRENT	317	0	21	0	15	21	11	1	35	54	12	63	65	0	0	5	14	
31-107-3	OFFICE COMPUTER SPECIALIST	307	0	307	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-102-2	FINANCE	306	0	61	34	178	0	0	0	0	0	3	0	0	0	1	0	29	
10-106-1	COURT AND CONFERENCE REPORTING	288	0	0	0	68	0	125	0	0	0	27	0	0	0	0	0	68	
31-512-1	SURGICAL TECHNICIAN	287	0	19	0	19	0	44	53	52	1	0	0	25	46	28	0	0	
10-526-1	RADIOGRAPHY	285	60	80	0	54	0	0	0	61	0	0	0	0	0	30	0	0	
10-106-4	MEDICAL SECRETARY	277	0	52	0	41	0	0	0	33	59	29	0	0	0	63	0	0	
32-414-1	ELECTRONIC SERVICING	275	50	34	0	0	0	0	93	37	0	46	0	0	0	0	0	15	

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PROGRAM ND.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
10-515-1	RESPIRATORY THERAPIST	272	0	35	0	75	0	0	0	55	0	0	0	40	67	0	0	0
31-303-3	FOOD PREPARATION ASSISTANT	270	17	0	14	84	8	0	39	18	0	0	61	0	0	0	29	0
31-508-1	DENTAL ASSISTANT	269	0	42	0	30	20	32	0	19	0	22	63	41	0	0	0	0
10-194-2	MARKETING-MATERIALS MANAGEMENT	262	113	0	0	0	0	61	0	19	0	69	0	0	0	0	0	0
10-508-1	DENTAL HYGIENIST	255	0	0	0	102	0	0	0	49	0	0	0	62	0	42	0	0
10-107-5	MICROCOMPUTER APPLICATIONS ANLST	252	0	0	0	0	0	0	0	0	0	0	132	120	0	0	0	0
10-524-1	PHYSICAL THERAPIST ASSISTANT	248	0	0	0	0	64	0	0	97	0	0	0	87	0	0	0	0
50-439-3	TOOL & DIE	245	0	30	0	28	6	26	44	40	0	25	7	0	0	39	0	0
30-510-2	HEALTH UNIT CLERK	241	0	32	18	0	30	47	46	39	0	0	2	27	0	0	0	0
31-461-1	SMALL ENGINE AND CHASSIS MECH	235	22	8	0	45	1	23	28	14	0	18	0	0	0	0	17	59
10-503-1	FIRE SCIENCE	230	0	0	0	0	43	45	0	139	0	3	0	0	0	0	0	0
31-101-2	MICROCOMPUTER ACCOUNTING ASST.	225	0	0	41	0	0	0	0	0	0	0	91	0	0	0	12	81
30-458-1	TRUCK DRIVING	221	58	0	0	0	0	0	0	0	0	0	163	0	0	0	0	0
50-447-1	OPERATING ENGINEER	219	0	0	0	0	0	0	0	0	0	0	219	0	0	0	0	0
10-607-5	CIVIL ENG. TECH. - STRUCTURAL	217	47	0	0	0	0	49	0	41	80	0	0	0	0	0	0	0
10-102-7	BUSINESS ADMINISTRATION PERSONEL	216	0	108	0	0	5	0	0	0	0	0	0	0	103	0	0	0
31-414-1	ELECTRONIC SERVICING	214	0	27	30	98	0	36	0	0	0	0	0	0	1	0	0	22
10-623-2	QUALITY ASSURANCE TECHNICIAN	213	0	6	0	0	0	5	110	0	0	0	0	60	32	0	0	0
32-412-1	DIESEL AND HEAVY EQUIP MECHANICS	213	42	57	0	65	0	0	0	0	0	0	0	0	49	0	0	0
30-109-2	TRAVEL AGENT	213	0	0	0	0	0	92	0	94	0	0	0	0	27	0	0	0
31-421-2	MECHANICAL & COMPUTER DRAFTING	212	0	0	0	0	0	41	112	35	0	0	0	0	0	0	0	24
10-203-1	PHOTOGRAPHY	211	0	0	0	80	0	0	0	131	0	0	0	0	0	0	0	0
10-111-1	MARKETING-COMMUNICATIONS	208	0	0	0	0	0	0	0	58	0	0	0	150	0	0	0	0
31-410-2	WOOD TECHNICS	207	20	41	0	50	0	0	0	0	0	0	33	55	8	0	0	0
50-420-2	MACHINIST APPRENTICESHIP	203	0	0	0	13	5	2	18	26	0	24	46	36	11	21	0	1

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32-420-1	MACHINE TOOL OPERATION	200	0	0	0	0	0	0	0	0	0	0	94	0	45	0	0	61
10-513-1	MEDICAL LABORATORY TECHNICIAN	197	69	44	0	48	0	0	0	36	0	0	0	0	0	0	0	0
10-503-2	FIRE PROTECTION TECHNICIAN	191	0	0	0	108	0	0	0	0	0	0	83	0	0	0	0	0
10-518-1	FOOD SERVICE MANAGEMENT	187	0	41	30	0	0	45	0	0	0	0	48	0	0	0	0	23
10-504-2	CORRECTIONS SCIENCE	186	0	0	0	0	0	0	0	0	91	0	0	94	1	0	0	0
10-530-1	MEDICAL RECORD TECHNICIAN	182	90	44	0	0	0	0	0	0	48	0	0	0	0	0	0	0
31-103-1	OFFICE ASSISTANT	182	0	0	0	0	0	0	0	0	0	59	0	0	0	0	9	114
30-503-2	FIRE SERVICE CERTIFICATION	181	0	0	0	0	0	0	13	0	168	0	0	0	0	0	0	0
10-057-1	NATURAL RESOURCES TECHNICIAN	180	0	0	0	0	0	0	0	0	0	0	180	0	0	0	0	0
10-204-2	PRINTING & PUBLISHING-OPERATIONS	178	0	0	0	0	0	0	0	178	0	0	0	0	0	0	0	0
32-402-1	AIRFRAME & POWERPLANT MECHANICS	173	0	0	0	0	61	112	0	0	0	0	0	0	0	0	0	0
10-607-8	PUBLIC WORKS TECHNICIAN	171	0	0	0	75	0	0	0	41	0	0	0	55	0	0	0	0
10-204-1	PRINTING AND PUBLISHING	162	0	42	0	60	0	0	0	0	0	0	60	0	0	0	0	0
10-601-1	AIR CONDITIONING	161	43	32	0	0	0	0	0	86	0	0	0	0	0	0	0	0
31-106-8	INFO. PROCESSING SPECIALIST	161	0	0	0	0	0	0	0	0	0	0	0	0	0	161	0	0
50-502-1	BARBER/COSMETOLOGY	156	16	0	0	9	0	17	1	93	2	0	10	0	1	7	0	0
10-104-1	BUSINESS ADMINISTRATION CREDIT	151	0	0	0	0	0	0	0	0	0	0	0	151	0	0	0	0
10-602-1	AUTOMOTIVE TECHNICIAN	144	0	0	0	36	0	73	0	0	0	0	35	0	0	0	0	0
10-091-1	ANIMAL TECHNOLOGY	142	0	0	0	142	0	0	0	0	0	0	0	0	0	0	0	0
31-204-1	PRINTING	141	0	15	0	46	0	0	0	29	0	19	32	0	0	0	0	0
10-104-7	MARKETING-RETAILING	137	0	66	0	0	0	0	29	42	0	0	0	0	0	0	0	0
10-109-1	HOTEL-MOTEL MANAGEMENT	136	0	0	0	0	0	67	0	69	0	0	0	0	0	0	0	0
31-107-1	DATA PROCESSING MACH OPERATION	136	0	0	0	0	0	86	48	2	0	0	0	0	0	0	0	0
50-435-2	STEAMFITTING	133	13	0	0	0	0	0	0	50	0	0	33	0	15	22	0	0
31-106-2	CLERK TYPIST-MEDICAL	132	98	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0

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			01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17	
50-413-9	ABC ELECTRIC APPRENTICESHIP	129	0	0	0	40	0	0	0	0	0	0	62	27	0	0	0	0	
30-301-3	SEWING FOR PROFIT	128	0	128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-605-8	ELECTRONICS - TELECOMMUNICATIONS	126	0	0	0	0	0	0	72	0	0	0	0	32	0	0	0	22	
31-412-1	DIESEL EQUIPMENT MECHANIC	124	0	0	0	0	17	0	0	0	0	0	62	45	0	0	0	0	
10-102-5	MEDICAL OFFICE MID-MANAGEMENT	122	0	0	0	66	0	0	0	0	0	0	0	56	0	0	0	0	
10-605-4	INSTRUMENTATION	119	0	0	0	0	0	0	0	2	0	0	0	25	92	0	0	0	
50-435-1	PIPEFITTING	116	0	0	0	0	20	8	0	7	0	0	28	20	26	0	7	0	
50-408-1	TECH BRICK MASONRY	114	16	4	0	18	0	14	3	28	0	0	0	22	0	9	0	0	
10-206-1	VISUAL COMMUNICATION	111	0	46	0	65	0	0	0	0	0	0	0	0	0	0	0	0	
39-105-1	DATA ENTRY OPERATOR	111	0	0	0	0	0	0	0	105	0	6	0	0	0	0	0	0	
10-605-6	BIO-MEDICAL ELECTRONICS	109	0	47	0	0	0	0	0	62	0	0	0	0	0	0	0	0	
10-104-6	MARKETING-INDUSTRIAL	104	0	0	0	0	0	61	0	0	43	0	0	0	0	0	0	0	
50-424-1	PAINTING AND DECORATING	103	6	0	0	28	0	15	0	45	0	0	1	8	0	0	0	0	
32-070-1	AGRICULTURE MECHANICS	102	18	0	33	16	0	0	0	0	1	0	0	0	18	0	16	0	
31-413-1	ELECTRICITY	102	0	0	0	0	0	0	0	59	0	0	0	43	0	0	0	0	
31-107-6	COMPUTER OPERATOR	99	0	0	0	0	0	0	0	0	0	0	99	0	0	0	0	0	
30-542-1	HOMEMAKER/HOME HEALTH AIDE	99	0	90	0	5	0	2	1	0	0	0	0	0	0	1	0	0	
32-423-1	INDUSTRIAL MAINTENANCE	95	0	0	0	0	0	0	95	0	0	0	0	0	0	0	0	0	
31-304-2	INTERIOR DESIGN ASSISTANT	94	0	0	0	0	0	0	72	22	0	0	0	0	0	0	0	0	
10-065-1	FOOD SCIENCE TECHNICIAN	91	0	0	0	0	46	0	0	0	45	0	0	0	0	0	0	0	
10-109-5	TOURISM RECREATION ASSOCIATE	88	0	0	0	88	0	0	0	0	0	0	0	0	0	0	0	0	
10-303-1	DIETETIC TECHNICIAN	88	0	0	0	56	0	0	0	32	0	0	0	0	0	0	0	0	
31-412-4	INDUSTRIAL/DIESEL MECHANIC	87	0	0	0	0	0	0	87	0	0	0	0	0	0	0	0	0	
10-614-3	ARCHITECTURAL-RESIDENTIAL DESIGN	86	0	0	0	0	0	0	0	0	0	0	0	0	0	86	0	0	
31-413-2	ELECTRICAL POWER DISTRIBUTION	86	34	0	0	0	0	0	0	0	27	0	0	25	0	0	0	0	

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10-605-5	ELECTRICAL POWER ENG. TECHNICIAN	85	0	0	0	0	0	0	0	0	0	35	0	0	50	0	0	0
10-628-2	COMPUTER INTEGRATED MFG TECH	84	0	0	0	0	0	12	0	0	72	0	0	0	0	0	0	0
10-402-1	AERONAUTICS-PILOT TRAINING	83	0	0	0	0	0	83	0	0	0	0	0	0	0	0	0	0
10-104-2	INSURANCE SERVICE ASSOCIATE	82	0	0	0	61	0	0	0	0	0	0	0	0	0	21	0	0
10-107-3	COMPUTER INFORMATION SYSTEMS	82	0	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0
10-623-3	MANUFACTURING ENGINEERING TECH	82	0	0	0	0	0	0	35	0	0	0	0	28	19	0	0	0
30-442-2	WELDING/MAINT. & FABRICATION	82	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0
31-106-7	MEDICAL TRANSCRIPTION	81	0	0	0	13	0	0	10	0	9	0	19	0	30	0	0	0
31-445-1	APPLIANCE SERVICING	81	0	0	12	0	0	0	21	14	34	0	0	0	0	0	0	0
10-602-3	AUTOMOTIVE SERVICING TECHNICIAN	78	0	0	0	0	0	0	54	24	0	0	0	0	0	0	0	0
10-091-2	LIVESTOCK MANAGEMENT TECHNOLOGY	77	0	0	0	0	77	0	0	0	0	0	0	0	0	0	0	0
31-404-9	PARTS SPECIALIST	77	0	0	0	0	0	0	0	0	0	0	25	22	0	30	0	0
10-111-4	INTERNATIONAL TRADE ASSOCIATE	76	0	0	0	0	0	0	76	0	0	0	0	0	0	0	0	0
10-612-1	FLUID POWER	76	33	0	0	0	0	42	0	1	0	0	0	0	0	0	0	0
10-622-2	LASER TECHNICIAN	76	0	0	0	0	0	0	0	0	0	0	0	0	0	76	0	0
31-457-1	METAL FABRICATION	76	0	0	0	0	0	0	0	0	0	0	76	0	0	0	0	0
10-605-9	ELECTRONIC CIRCUIT BOARD DESIGN	75	0	0	0	0	0	0	75	0	0	0	0	0	0	0	0	0
31-440-1	UPHOLSTER:	74	0	0	0	0	0	21	0	53	0	0	0	0	0	0	0	0
31-470-1	PREC INSP & NONDESTRUCT EXAM	74	69	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
31-401-1	REFRIGERATION SERVICING	72	28	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10-528-1	FUNERAL SERVICE	71	0	0	0	0	0	0	0	71	0	0	0	0	0	0	0	0
10-104-9	MARKETING-TRANSPORTATION DIST	69	0	0	0	0	0	5	0	20	0	0	0	44	0	0	0	0
32-439-1	TOOL AND DIE MAKING	69	0	0	0	0	0	0	0	69	0	0	0	0	0	0	0	0
31-105-1	FINANCIAL SERVICES ASSISTANT	68	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
50-413-6	ELECTRICAL LINEMAN	68	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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10-114-1	FINANCIAL PLANNING ASSOCIATE	67	0	0	0	0	0	0	67	0	0	0	0	0	0	0	0	0
10-545-1	COMM DEVEL DISABILITIES ASSOC	67	0	0	0	51	0	0	0	0	0	0	16	0	0	0	0	0
31-501-1	BARBERING	67	18	0	0	25	0	0	0	7	0	0	0	17	0	0	0	0
31-419-1	FLUID POWER MAINTENANCE	66	0	0	0	0	0	0	0	18	0	0	48	0	0	0	0	0
10-805-1	OCCUPATIONAL MUSIC	64	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	0
30-531-1	EMERGENCY MEDICAL SERVICES SPEC.	64	0	0	0	64	0	0	0	0	0	0	0	0	0	0	0	0
10-533-1	EDUCATIONAL INTERPRETER TECH	62	0	0	0	0	0	0	0	0	0	0	0	0	0	62	0	0
10-701-1	TELECASTING	62	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0
32-001-1	HORTICULTURE-ORNAMENTAL	62	0	0	0	0	0	0	0	62	0	0	0	0	0	0	0	0
10-106-8	OFFICE SYSTEMS SPECIALIST	61	0	0	0	0	0	0	0	0	61	0	0	0	0	0	0	0
31-410-4	WEATHERIZATION TECHNICS	61	0	0	0	46	0	0	0	0	0	0	15	0	0	0	0	0
50-501-1	BARBERING	61	6	0	0	19	0	0	15	10	0	0	11	0	0	0	0	0
10-195-1	PROPERTY ASSESSMENT	60	0	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0
10-303-5	FOOD & HOSPITALITY MGMT TECH	60	0	0	0	0	0	0	0	0	0	0	0	0	60	0	0	0
10-701-2	RADIO BROADCASTING	60	0	0	0	0	0	60	0	0	0	0	0	0	0	0	0	0
31-080-4	FARM OPERATION	59	0	0	0	0	0	0	0	0	2	0	43	0	14	0	0	0
10-001-1	HORTICULTURE-PRODUCTION	58	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0
10-504-3	SECURITY LOSS PREVENTION	58	0	0	0	0	0	0	0	0	0	0	58	0	0	0	0	0
31-462-2	INDUSTRIAL MECHANIC	58	0	0	0	0	0	37	0	0	0	0	0	21	0	0	0	0
30-519-1	CUSTODIAL SERVICES	58	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	0
10-605-7	ELECTRONIC SYSTEMS TECHNICIAN	56	0	0	0	0	0	0	0	56	0	0	0	0	0	0	0	0
39-106-2	BUSINESS OFFICE SKILLS	56	0	0	0	0	0	0	30	0	0	0	0	26	0	0	0	0
32-204-1	PRINTING	55	0	0	0	0	0	0	0	0	0	0	0	0	0	55	0	0
31-091-1	DAIRY HERD MANAGEMENT	55	0	0	12	4	0	0	0	0	0	13	0	0	0	0	0	26
31-536-1	PHARMACY TECHNICAL AIDE	54	0	0	0	0	0	0	0	35	0	19	0	0	0	0	0	0

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PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	D I S T R I C T																
			01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17	
30-534-1	CENTRAL SERVICE ASSISTANT	54	0	12	0	0	0	0	0	42	0	0	0	0	0	0	0	0	
32-410-2	WOOD TECHNICIS	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	
31-421-1	DRAFTING-MECHANICAL	53	31	1	0	0	0	0	0	0	0	0	0	0	0	0	21	0	
10-621-1	INDUSTRIAL WELDING TECHNICIAN	52	0	0	0	19	0	0	0	33	0	0	0	0	0	0	0	0	
32-404-1	AUTO BODY	52	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	0	
30-401-1	AIR COND REF & HEATING	52	0	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	
10-206-3	VISUAL COMMUNICATION/VIDEO TECH.	51	0	0	0	0	0	0	0	51	0	0	0	0	0	0	0	0	
10-614-2	ARCHITECTURAL-INDUSTRIAL MODELS	51	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	0	
31-510-2	HEALTH UNIT COORDINATOR	51	0	0	0	0	0	0	0	0	0	0	0	0	51	0	0	0	
10-443-1	FACILITY SYSTEMS TECHNICIAN	50	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	32	
50-432-2	SHEET METAL - INDUSTRIAL	50	23	0	0	2	0	4	0	0	0	20	1	0	0	0	0	0	
10-107-4	INFORMATION SYSTEMS MANAGEMENT	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	
10-527-2	WATER + WASTEWATER TREATMENT TEC	49	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	
10-605-2	ELECTRONICS-COMMUNICATIONS	49	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	
31-443-4	BUILDING SERVICES	49	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	
31-522-2	INSTRUCTIONAL ASSISTANT	49	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	
50-605-1	INSTRUMENTATION APPRENTICESHIP	49	0	0	0	0	0	0	0	0	0	0	0	40	9	0	0	0	
10-503-4	HAZARDOUS MATERIAL HANDLING TECH	48	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	
10-602-2	ENGINE TECHNOLOGY	48	0	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	
10-628-1	COMPUTERIZED MACHINING TECH	48	0	0	0	0	0	0	0	48	0	0	0	0	0	0	0	0	
50-511-1	RESTAURANT AND COOK	48	0	0	0	0	0	0	0	0	0	0	27	19	0	2	0	0	
10-503-3	FIRE PROTECTION ENG. TECHNOLOGY	47	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	0	
10-550-1	ALCOHOL & OTHER DRUG ABUSE ASSOC	47	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-607-4	CIVIL ENGINEERING TECHY-HWY TECH	47	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	
10-628-3	AUTOMATED MFG. SYSTEMS TECH.	47	0	0	0	0	0	0	0	0	0	0	47	0	0	0	0	0	

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

23:51 TUESDAY, JANUARY 16, 1990

FISCAL YEAR=1988-89

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	FISCAL YEAR=1988-89																
			01	02	B 03	Y 04	05	06	08	09	10	11	12	13	14	15	16	17	
31-070-3	AGRICULTURE EQUIPMENT MECHANIC	47	0	0	0	0	47	0	0	0	0	0	0	0	0	0	0	0	
10-102-8	FINANCIAL INSTITUTIONS MGT	46	0	0	0	0	0	0	0	0	0	0	0	0	46	0	0	0	
31-409-1	CABINETMAKING AND MILLWORK	46	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	
31-410-1	CARPENTRY	46	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	
10-513-2	HISTOTECHNOLOGY	45	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-603-2	PAPER & PULP CHEMICAL TECHNOLOGY	45	0	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	
31-404-2	AUTOMOTIVE SERVICING MECHANIC	45	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	0	
30-307-1	CHILD DAY CARE	45	0	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	
10-109-4	RECREATION RESOURCE ASSOCIATE	44	0	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	
10-607-7	LAND SURVEY TECHNICIAN	44	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	21	
50-427-1	PLUMBING (APPLETON)	44	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	0	
50-439-1	BOILER MAKER APPRENTICESHIP	44	0	0	0	0	0	0	0	9	35	0	0	0	0	0	0	0	
10-001-3	LANDSCAPE MANAGEMENT	42	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	
10-506-1	ENVIRONMENTAL & POLLUTN CONT TECH	42	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	
10-603-1	CHEMICAL	42	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	
10-614-4	ARCHITECTURAL COMMERCIAL DESIGN	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42	
31-204-6	FLEXOGRAPHIC PRINTING	42	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	
31-443-3	MILITARY-BUILDING SERVICES	42	0	0	0	0	0	0	0	0	0	0	0	42	0	0	0	0	
30-001-5	BASIC HORTICULTURE	42	0	0	0	42	0	0	0	0	0	0	0	0	0	0	0	0	
50-435-3	STEAMFITTING CONSTRUCTION	42	0	0	0	14	8	0	0	0	0	0	0	20	0	0	0	0	
10-111-5	SMALL BUSINESS MANAGEMENT	41	0	0	0	0	0	0	0	0	0	0	0	0	0	41	0	0	
31-303-2	FOOD SERVICE ASSISTANT	41	0	0	0	0	0	19	0	0	22	0	0	0	0	0	0	0	
30-001-3	LANDSCAPE AND TURF SERVICES	40	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	0	
50-401-1	ENVIRONMENTAL SERVICE	40	0	0	0	0	0	0	40	0	0	0	0	0	0	0	0	0	
10-104-5	FOOD MARKETING	39	0	15	0	0	0	0	24	0	0	0	0	0	0	0	0	0	

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

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 23:51 TUESDAY, JANUARY 16, 1990

----- FISCAL YEAR=1988-89 -----

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
31-303-6	RETAIL BAKERY PRODUCTION	39	0	0	2	0	0	0	0	15	0	8	0	0	0	0	0	14
39-106-1	WORD PROCESSING/OFFICE INFO PROG	38	0	0	0	0	0	0	27	0	0	0	0	0	0	11	0	0
10-091-5	EQUINE MANAGEMENT	37	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0
10-516-1	DISPENSING OPTICIAN	37	0	0	0	0	0	0	0	0	0	37	0	0	0	0	0	0
50-435-4	STEAMFITTING SERVICE	37	0	0	0	7	0	0	0	14	0	0	16	0	0	0	0	0
50-437-1	IRON WORKER	37	0	11	0	19	0	0	0	0	0	0	0	7	0	0	0	0
32-419-1	FLUID POWER MAINTENANCE	36	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50-432-9	ABC SHEET METAL APPRENTICESHIP	36	0	0	0	13	0	0	0	0	0	0	0	23	0	0	0	0
10-309-1	ENVIRONMENTAL SERVICES MGMT	35	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	0
10-007-2	BIOTECHNOLOGY LABORATORY TECH	34	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0	0
31-458-1	MILITARY-MOTOR TRANSPORT	34	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0
30-301-4	INDUSTRIAL SEWING OPERATOR TRNG	33	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0
30-444-1	NUMERICAL CONTROL MACH OPERATOR	33	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0	0
50-435-5	ASBESTOS WORKER APPRENTICE	33	0	0	0	0	0	0	0	16	0	0	17	0	0	0	0	0
50-518-1	COOK-CHEF APPRENTICE	33	0	0	0	0	0	0	17	16	0	0	0	0	0	0	0	0
10-001-2	HORTICULTURE-MARKETING	32	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0
10-002-1	FEED, FERTILIZER AND FARM SUPPLY	32	0	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32-454-1	PACKAGING SYSTEMS EQUIP MAINT	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
31-106-4	LEGAL TRANSCRIPTIONIST	32	0	0	0	32	0	0	0	0	0	0	0	0	0	0	0	0
31-412-3	COMBUSTION ENGINE	32	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0
30-106-1	AUTOMATED BUSINESS SUPPORT SPEC	32	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0
30-419-1	FLUID POWER MAINTENANCE	32	0	0	0	0	0	32	0	0	0	0	0	0	0	0	0	0
10-507-1	DENTAL LABORATORY	31	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0
31-423-1	MACHINE MAINTENANCE	31	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	0
31-441-1	JEWELRY SERVICE AND SALES	31	0	0	0	0	0	0	0	20	0	0	0	11	0	0	0	0

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

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 23:51 TUESDAY, JANUARY 16, 1990

----- FISCAL YEAR=1988-89 -----

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	D I S T R I C T																
			01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17	
31-450-2	OFFICE EQUIPMENT REPAIR	31	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	
30-518-3	SCHOOL FOOD SERVICE ASSISTANT	31	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	
50-457-1	METAL FABRICATOR	31	0	26	0	0	0	0	0	0	5	0	0	0	0	0	0	0	
10-525-1	ELECTRONEURODIAGNOSTIC TECH	30	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32-301-1	TAILOR	30	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	
50-442-1	WELDING	30	0	0	0	0	0	0	0	0	0	0	8	5	0	17	0	0	
10-006-2	AGRIBUSINESS SERVICES & SUPPLIES	29	12	0	0	0	0	0	0	0	0	0	9	8	0	0	0	0	
10-102-1	AVIATION MID-MANAGEMENT	29	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	
31-104-1	SMALL BUSINESS OPERATION	29	0	0	0	4	0	24	0	0	0	0	0	0	0	0	1	0	
31-301-3	ALTERATIONIST	29	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	
31-450-1	OFFICE MACHINE REPAIR	29	0	0	0	0	19	0	0	0	10	0	0	0	0	0	0	0	
31-403-1	DRAFTING-ARCHITECTURAL	28	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	
30-518-1	BUTCHER-ALL ROUND-1 SEMESTER	28	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-526-2	DIAGNOSTIC MEDICAL SONOGRAPHY	27	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31-460-3	MACHINE REPAIR	27	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	
50-434-1	SPRINKLER FITTER APPRENTICESHIP	27	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	
32-414-2	ELECTRONICS-AIRCRAFT	26	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	
31-070-1	AG DIESEL POWER MECHANIC	26	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	
31-402-3	POWER PLANT MECHANIC	26	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	
39-444-1	CNC MACHINING	26	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	
50-411-1	RESILIENT FLOOR APPRENTICESHIP	26	0	0	0	0	0	0	0	17	0	0	0	9	0	0	0	0	
50-420-4	TOOLROOM MACHINIST APPRENTICE	26	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	
10-516-2	OPTOMETRIC TECHNICIAN	25	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	
10-613-1	METALLURGY	25	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	
10-619-1	PLASTICS TECHNICIAN	25	0	0	0	0	0	0	0	6	0	19	0	0	0	0	0	0	

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

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 23:51 TUESDAY, JANUARY 16, 1990

----- FISCAL YEAR=1988-89 -----

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	D I S T R I C T																	
			01	02	03	04	05	06	08	09	10	11	12	13	14	15	16	17		
10-624-1	RADIATION PROTECTION TECHNICIAN	25	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	
31-111-3	ADVERTISING SALES	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
31-402-2	AIRFRAME MECHANIC	25	0	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	
30-428-1	POWER ENGR. & BOILER OPERATOR	25	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	0	
50-425-1	PATTERNMAKING	25	0	0	0	0	0	0	0	0	24	0	0	1	0	0	0	0	0	
10-609-1	ELECTRONIC DESIGN TECHNICIAN	23	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	
10-623-6	MTRLS PLANNING & CONTROL TECH	23	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	
31-472-1	INDUSTRIAL TRUCK MECHANIC	23	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	
30-107-2	DATA ENTRY	23	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	
31-001-1	HORTICULTURAL AIDE	22	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	
31-106-3	STENOGRAPHER	22	0	0	0	18	0	0	0	0	0	0	0	0	0	2	0	2	0	
30-447-1	TIMBER HARVESTING EQUIPMENT OPER	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22	0	
50-420-1	INJECTION MOLD SET-UP (PLASTIC)	22	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	
10-301-1	CLOTHING DESIGN & SALES	21	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	
31-433-1	SHOE SERVICING	21	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	
31-451-1	TELEPHONE SERVICE REPAIR	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	
30-095-1	TAXIDERMY	21	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	
50-401-9	HVAC ABC	21	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	
10-003-2	AGRICULTURAL FACILITIES/EQUIP	20	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	
31-443-1	FACILITY MAINTENANCE SERVICE	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
31-516-1	OPTOMETRIC ASSISTANT	20	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	
30-503-3	CHIEF OFFICER	20	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	
30-509-3	OFFICE AIDE - MEDICAL/DENTAL	20	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31-414-4	COMMUNITY ANTENNA TV INSTALLATN	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	
31-442-2	FABRICATION WELDING	19	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

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 23:51 TUESDAY, JANUARY 16, 1990

FISCAL YEAR=1988-89

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	D I S T R I C T																
			01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17	
50-427-9	PLUMBING ABC	19	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0
31-518-1	QUANTITY FOOD PREPARATION	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
30-303-9	DIETARY MANAGER	18	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0
50-472-1	INDUSTRIAL MOBILE EQUIP MECHANIC	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	0	0
50-501-2	BARBER APPRENTICESHIP (GRADUATE)	18	0	0	0	0	0	0	0	0	2	0	0	0	16	0	0	0	0
31-453-1	MOTORCYCLE MARINE & LAWN EQ MECH	17	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30-001-6	AGROECOLOGY	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0
50-423-2	MACHINERY MECHANIC	17	0	10	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0
31-515-1	RESPIRATORY THERAPY TECHNICIAN	16	0	14	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
50-408-3	CEMENT MASON	16	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0
50-415-1	FOUNDRY APPRENTICE	16	0	0	0	0	0	0	0	0	2	0	0	0	14	0	0	0	0
10-455-2	INDUSTRIAL SUPERVISION TECH	15	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0
10-527-1	MUNICIPAL ENGINEERING TECHNICIAN	15	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-307-2	INFANT AND CHILD SPECIALIST	15	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
31-454-1	PACKAGING MACHINERY SERVICEMAN	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
30-462-1	WELDER EQUIP MAINTENANCE REPAIR	15	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0
30-469-1	PETROLEUM DISTRIBUTION SERVICES	15	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0
32-303-1	RESTAURANT & INSTIT. FOOD PREP.	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	0
31-080-5	DAIRY FARM OPERATION	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-303-1	FOOD PRODUCTION SPECIALIST	14	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31-444-1	COMP NUM CONT MACH OP/PROGRAMMER	14	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0
50-412-1	GARAGE MECHANIC APPRENTICESHIP	14	0	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0
31-462-4	MTRI HNDLG EQ - ROBOTICS REPAIR	13	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
30-420-8	PRODUCTION MACHINE OPERATION	13	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0
30-442-1	PRODUCTION WELDING	13	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE70522A)
 ENROLLMENT TOTALS BY PROGRAM NUMBER

23:51 TUESDAY, JANUARY 16, 1990

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----- FISCAL YEAR=1988-89 -----

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
30-503-4	FIRE OFFICER	13	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0
31-408-1	BRICKLAYING AND MASONRY	12	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0
39-862-3	PRE-TECHNICAL TRAINING	12	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0
50-409-1	CABINETMAKING	12	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	10
50-417-1	TECH GLAZE (GLAZIER)	12	0	0	0	1	0	0	0	11	0	0	0	0	0	0	0	0
10-102-9	MUNICIPAL ADMINISTRATION	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
10-307-2	CHILD CARE ASSOCIATE	11	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0
32-471-1	HOROLOGY (WATCH MAKING)	11	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0
31-412-5	TRUCK MECHANIC	11	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0
31-448-2	DRAFTING MARINE	11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0
31-463-2	INDUSTRIAL PLASTIC MACHINE OPER	11	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0
30-303-4	QUANTITY FOOD PRODUCTION ASST	11	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0
30-307-4	INFANT/TODDLER CARE SERVICES	11	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0
39-409-5	WOODS AND LAMINATES CONSTRUCTION	11	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0
39-442-1	TACK WELDING	11	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0
50-445-2	COIN MACHINE REPAIR APPRENTICE	11	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0
31-412-6	LOG/MIN/DIESEL EQUIP MAINT & REP	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0
50-410-9	CARPENTRY ABC	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0
50-420-6	MACHINE REPAIR	10	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0
50-446-1	ROOFER	10	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0
31-104-6	MERCHANDISING/SALES	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
30-303-5	FOOD SERVICE AIDE	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
50-204-1	PRINTING APPRENTICE	9	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0
50-426-1	CEMENT AND PLASTER FINISHERS	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0
50-427-2	PLUMBING (OSHKOSH)	9	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0

WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522A)
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PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05
50-404-1	AUTO BODY REPAIR	8	0	0	0	0	0
50-472-2	INDUSTRIAL TRUCK MECHANIC	8	0	0	0	0	0
31-091-2	FARRIER	7	0	0	0	0	0
30-404-4	ADVANCED AUTO BODY REPAIR	7	0	0	0	0	0
39-510-1	NURSING ASSISTANT	7	0	0	0	0	0
50-408-2	TILE SETTER APPRENTICE	7	0	0	0	0	0
50-410-2	LATHER	7	0	0	0	0	0
10-604-1	COMBUSTION ENGINE	6	0	0	0	0	0
31-420-2	AUTOMATIC SCREW MACHINE	6	0	0	0	0	0
50-501-3	BARBER APP (NDN-GRADUATE)	6	0	0	0	0	0
31-104-2	FASHION RETAILING	5	0	0	0	5	0

PROGRAM NO.	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
50-404-1	1	0	7	0	0	0	0	0	0	0	0
50-472-2	0	0	0	0	0	0	8	0	0	0	0
31-091-2	7	0	0	0	0	0	0	0	0	0	0
30-404-4	0	0	0	0	0	0	7	0	0	0	0
39-510-1	0	0	0	0	7	0	0	0	0	0	0
50-408-2	1	0	6	0	0	0	0	0	0	0	0
50-410-2	0	0	7	0	0	0	0	0	0	0	0
10-604-1	0	0	6	0	0	0	0	0	0	0	0
31-420-2	0	0	6	0	0	0	0	0	0	0	0
50-501-3	0	0	0	0	0	0	6	0	0	0	0
31-104-2	0	0	0	0	0	0	0	0	0	0	0

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
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 ENROLLMENT TOTALS BY PROGRAM NUMBER

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FISCAL YEAR=1988-89

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05
10-106-5	COURT REPORTING SCOPIST	4	0	0	0	0	0
10-449-2	HAZARDOUS MATERIALS CONTROL TECH	4	0	4	0	0	0
50-303-1	BAKING I	4	0	0	0	0	0
30-104-5	SMALL BUSINESS TRAINING	3	0	0	0	0	0
30-307-2	FAMILY DAY CARE	3	0	0	0	0	0
50-204-2	PRINTING APPRENT CORRESPONDENCE	3	0	2	0	0	0
50-424-2	DRYWALL TAPING AND FINISHING	3	0	0	0	1	0
10-629-1	INDUSTRIAL COATINGS TECHNICIAN	2	0	0	0	0	0
31-001-2	ARBORIST	2	0	0	0	0	0
31-104-3	RETAIL SALES	2	0	0	0	0	0
31-469-1	MILITARY-PETROLEUM CHEM SERV	2	0	0	0	0	0

PROGRAM NO.	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
10-106-5	0	0	0	0	0	0	0	0	0	0	4
10-449-2	0	0	0	0	0	0	0	0	0	0	0
50-303-1	0	0	4	0	0	0	0	0	0	0	0
30-104-5	0	0	3	0	0	0	0	0	0	0	0
30-307-2	0	0	0	3	0	0	0	0	0	0	0
50-204-2	0	0	0	0	0	0	0	0	0	0	1
50-424-2	0	0	2	0	0	0	0	0	0	0	0
10-629-1	0	0	0	2	0	0	0	0	0	0	0
31-001-2	0	0	2	0	0	0	0	0	0	0	0
31-104-3	0	0	0	0	0	0	2	0	0	0	0
31-469-1	0	0	0	0	0	0	2	0	0	0	0

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PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05
30-460-1	MACHINE AND TOOL REPAIR	2	0	0	0	0	0
50-502-2	BARBER/COSMETOLOGIST (ADV/REG)	2	0	0	0	0	0
10-111-2	LIFE INSURANCE UNDERWRITER	1	0	0	0	0	0
10-206-2	MOTION PICTURE TECHNICIAN	1	0	0	0	0	0
10-455-3	CONSTRUCTION SUPERVISOR MGMT	1	0	0	0	0	0
32-080-1	PRODUCTION AGRICULTURE	1	1	0	0	0	0
32-080-2	FARM MANAGEMENT	1	0	0	0	0	0
31-415-1	METAL CASTING	1	0	0	0	0	0
30-102-1	SMALL BUSINESS TRAINING	1	0	0	0	0	0
30-502-1	BARBERING/COSMETOLOGY SPECIALIST	1	0	0	0	0	0
30-503-1	FIRE SERVICE TRAINING	1	0	0	0	0	0

PROGRAM NO.	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17
30-460-1	2	0	0	0	0	0	0	0	0	0	0
50-502-2	2	0	0	0	0	0	0	0	0	0	0
10-111-2	0	1	0	0	0	0	0	0	0	0	0
10-206-2	0	0	1	0	0	0	0	0	0	0	0
10-455-3	1	0	0	0	0	0	0	0	0	0	0
32-080-1	0	0	0	0	0	0	0	0	0	0	0
32-080-2	0	0	0	0	0	0	0	0	0	0	1
31-415-1	0	0	1	0	0	0	0	0	0	0	0
30-102-1	0	0	1	0	0	0	0	0	0	0	0
30-502-1	0	0	0	1	0	0	0	0	0	0	0
30-503-1	0	0	0	0	0	0	0	0	1	0	0

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 ENROLLMENT TOTALS BY PROGRAM NUMBER

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FISCAL YEAR=1988-89

PROGRAM NO.	PROGRAM TITLE	STUDENTS STATEWIDE	01	02	B 03	Y 04	05
39-303-7	FOOD SERVICE/KITCHEN	1	0	0	0	0	0
39-420-3	MACHINE OPERATION	1	0	0	0	0	0
50-202-2	JEWELER	1	0	0	0	0	0
50-404-3	INDUSTRIAL TRUCK APPRENTICESHIP	1	0	0	0	0	0
50-419-1	HYDRAULIC MAINTENANCE APPRENTICE	1	0	0	0	0	0
50-428-1	POWER ENGINEERING APPRENTICESHIP	1	0	0	0	0	0
50-440-1	UPHOLSTERY	1	0	0	0	0	0
TOTALS		110,192	4,520	6,210	1,624	17,264	4,708

PROGRAM NO.	D 06	I 08	S 09	T 10	R 11	I 12	C 13	T 14	15	16	17	
39-303-7	1	0	0	0	0	0	0	0	0	0	0	
39-420-3	0	0	0	0	1	0	0	0	0	0	0	
50-202-2	0	0	1	0	0	0	0	0	0	0	0	
50-404-3	1	0	0	0	0	0	0	0	0	0	0	
50-419-1	1	0	0	0	0	0	0	0	0	0	0	
50-428-1	0	0	1	0	0	0	0	0	0	0	0	
50-440-1	0	0	1	0	0	0	0	0	0	0	0	
TOTALS		14,268	8,874	12,105	5,560	4,132	6,529	6,656	4,540	4,646	2,675	5,881

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WISCONSIN BOARD OF VOCATIONAL, TECHNICAL, AND ADULT EDUCATION
 PROGRAM SYSTEM (VE701522B)
 PROGRAMS WITHOUT ENROLLMENTS

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----- FISCAL YEAR=1988-89 -----

PROGRAM NO.	PROGRAM TITLE	01	02	03	A 04	P 05	P 06	R 08	O 09	V 10	L 11	D 12	13	A 14	T 15	16	17
10-001-4	LANDSCAPE TECHNICIAN								0689								
10-091-3	LABORATORY ANIMAL TECHNICIAN				0489												
10-104-8	BROADCAST-ADVERTISING SALES		0976														
10-109-3	RECREATION LEADERSHIP AID															0979	
10-176-1	RECORDS AND INFO MANAGEMENT TECH	0689															
10-310-1	CONSUMER/FAMILY MANAGER															0578	
10-533-2	INTERPRETER TECHNICIAN								0789								
32-414-3	CABLE TELEVISION SYSTEM SERVICE																0589
32-462-1	INDUSTRIAL MAINTENANCE							0168									
31-003-5	AG EQUIPMENT INSTALL & SERVICE									0582							
31-080-1	TIMBER PRODUCER															0570	
31-102-1	FINANCIAL SERVICES ASSISTANT	0589															0589
31-104-5	GENERAL SALES-HOTEL-MOTEL							1268									
31-401-2	AIR COND. AND BURNER SERVICE				0588												
31-410-3	BUILDING MATERIALS SPECIALIST															0570	
31-412-2	DIESEL EQUIPMENT SERVICING	0677															
31-448-1	MARITIME CONSTRUCTION												1173				
31-469-2	PETROLEUM DISTRIB. SVCS. (GAS)												0389				
31-517-1	RENAL DIALYSIS TECHNICIAN								0689								
31-518-2	BUTCHER -- ALL-AROUND			0989													
31-522-1	MEDIA ASSISTANT	0571															
31-527-2	WATER/WASTEWATER PLANT OPERATOR			0689													
30-006-1	OPERATING AGRIBUSINESS FOR RSLTS									0182		1180					
30-006-2	OPER AN AGRIBUSINESS SERV DEPT									0282							
30-006-3	OPERATING AN AGRIBS PARTS DEPT									0782							

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 PROGRAM SYSTEM (VE701522B)
 PROGRAMS WITHOUT ENROLLMENTS

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PROGRAM ND.	PROGRAM TITLE	01	02	03	A 04	P 05	P 06	R 08	O 09	V 10	E 11	D 12	13	A 14	T 15	16	17
30-006-4	OPERATING AN AGRIBS. SALES DEPT.																0384
30-006-5	OPERATING AN AGRIBS FINAN DEPT																0384
30-080-3	FARM HAND																0585
30-104-4	TELEMARKETING REPRESENTATIVE																0489
30-105-5	FINANCIAL SERVICE AIDE																0576
30-303-1	RESTAURANT COOK ASSISTANT																0585
30-303-3	BAKING ASSISTANT																1178
30-303-8	FOODS/RESORT MAINT SERV AIDE																0282
30-310-1	HOME INDUSTRIES																1275
30-404-3	AUTD BODY COLLISION REPAIR																0579
30-415-3	MACH MOLDER & MACH COREMAKER																0971
30-415-4	LOOSE MOLDER																0971
30-442-3	WELD INSPECTION																0689
30-443-1	BUILDING CLEANING AND CARE																0385
30-502-2	SKIN CARE SPECIALIST																1186
30-508-1	DENTAL ASSISTANT EQUIVALENCY																1177
30-542-2	HOME HEALTH ASSISTANT/COMPANION																0985
39-101-1	ACCDUNTING + OFFICE AUTOMATION																0687
39-106-7	DESKTOP PUBLISHING																1188
39-303-8	BAKING-EMPLOYER SPECIFIC																0588
39-518-3	BUTCHER AND MEATCUTTER																0189
39-850-1	GOAL ABE																0687
50-204-3	COMPOSITOR																0188
50-404-2	AUTOMOTIVE MECHANIC APPRENTICE																0187 0988
50-407-1	BOILERMAKER APPRENTICE																0182

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 PROGRAMS WITHOUT ENROLLMENTS

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PROGRAM NO.	PROGRAM TITLE	01	02	03	A 04	P 05	P 06	R 08	O 09	V 10	E 11	D 12	I 13	T 14	T 15	16	17
50-408-9	APPRENTICE MASONS (ABE)											0988					
50-410-3	CARPENTRY (INDUSTRIAL)												0168				
50-412-2	TRUCK & TRAILER MECHANIC				0686				0688								
50-413-4	ELECTRICAL																1186
50-413-5	ELECTRICAL WIREMAN																1186
50-413-7	ELECTRICAL METERMAN																1186
50-413-8	UTILITY LINEMAN																1186
50-414-1	INSTRUMENT											0168			1186		1186
50-415-2	FOUNDRY/PATTERNMAKER					1186											
50-418-1	MEAT CUTTER											0168					
50-418-5	MEAT CUTTER (CORRESPONDENCE)																0886
50-420-5	AUTOMATIC SCREW MACHINE OPERATOR																1186
50-421-1	DRAFTER APPRENTICESHIP								0988							0589	
50-422-1	HEAT TREATER APPRENTICESHIP								0988								
50-424-3	PAINT & DEC/INDEPENDENT STUDY				0388												
50-435-6	STEAMFITTER/IND PIPEFITTER					1186											
50-435-7	MARITIME PIPEFITTER APPRENTICE												0187				
50-439-2	TOOL DESIGN APPRENTICESHIP								0988								
50-443-1	GLAZIER APPRENTICE																1186
50-445-1	APPLIANCE SERVICE																1186
50-445-3	APPLIANCE RPR SVCMAN - CORRESP																0487
50-451-1	TELEPHONE TECHNICIAN																1186
50-502-3	BARBER/COSMETOLOGY ADVANCED				1288		0189						1089				
50-518-2	MEATCUTTER								0788								

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 Junior Colleges
 MAY 17 1990