

VOCATIONAL EDUCATION

Program and staff statistical supplement

LEGISLATIVE REFERENCE LIBRARY STATE OF MINNESOTA

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Table 1. Student Headcounts by AVTI by Sex and Percent Female: 1977-78 and 1978-79

AVTI	Student Headcount, 1977-78				Student Headcount, 1978-79			
	Male	Female	Total	Percent Female	Male	Female	Total	Percent Female
Albert Lea	382	174	556	31.3%	404	199	603	33.0%
Alexandria	912	733	1,645	44.6%	905	793	1,698	46.7%
Anoka	1,802	1,397	3,199	43.7%	1,655	1,277	2,932	43.6%
Austin	465	263	728	36.1%	486	287	773	37.1%
Bemidji	139	200	339	59.0%	257	227	484	46.9%
Brainerd	423	407	830	49.0%	382	410	792	51.8%
Canby	324	147	471	31.2%	275	134	409	32.8%
Dakota County	1,416	873	2,289	38.1%	1,155	748	1,903	39.3%
Detroit Lakes	488	253	741	34.1%	598	245	843	29.1%
Duluth	1,123	1,111	2,234	49.7%	1,107	1,180	2,287	51.6%
E Grand Forks	401	293	694	42.2%	414	350	764	45.8%
Eveleth	162	163	325	50.2%	188	236	424	55.7%
Faribault	293	207	500	41.4%	291	222	513	43.3%
Granite Falls	245	245	490	50.0%	294	241	535	45.0%
Hibbing	309	202	511	39.5%	358	194	552	35.1%
Hutchinson	471	283	754	37.5%	458	313	771	40.6%
Jackson	679	360	1,039	34.6%	695	207	902	22.9%
Mankato	1,059	757	1,816	41.7%	1,021	763	1,784	42.8%
Minneapolis	1,238	1,040	2,278	45.7%	1,154	1,006	2,160	46.6%
Moorhead	643	450	1,093	41.2%	591	421	1,012	41.6%
916	957	807	1,764	45.7%	823	650	1,473	44.1%
Pine City	217	103	320	32.2%	151	95	246	38.6%
Pipestone	584	282	866	32.6%	559	254	813	31.2%
Red Wing	395	215	610	35.2%	396	223	619	36.0%
Rochester	405	964	1,369	70.4%	427	922	1,349	68.3%
St. Cloud	1,208	532	1,740	30.6%	1,161	670	1,831	36.6%
St. Paul	1,965	1,351	3,316	40.7%	2,050	1,343	3,393	39.6%
Staples	676	122	798	15.3%	669	131	800	16.4%
Sub. Hennepin	3,805	1,850	5,655	32.7%	3,567	1,870	5,437	34.4%
Thief River	466	225	691	32.6%	379	222	601	36.9%
Wadena	421	265	686	38.6%	416	270	686	39.4%
Willmar	826	636	1,462	43.5%	641	646	1,287	50.2%
Winona	466	348	814	42.8%	418	331	749	44.2%
TOTAL	25,365	17,258	42,623	40.5%	24,345	17,080	41,425	41.2%

Table 2. Number of Programs by Program Type: Segregated "Male", Segregated "Female", and Integrated, and Total Programs, by AVTI: 1977-78 and 1978-79

AVTI	Number of Programs, 1977-78					Number of Programs, 1978-79				
	Total	Segregated		Total	Inte- grated	Total	Segregated		Total	Inte- grated
		"M"	"F"				"M"	"F"		
Albert Lea	14	6	2	8	6	14	6	2	8	6
Alexandria	31	16	9	25	6	31	16	9	25	6
Anoka	38	13	16	29	9	39	15	16	31	8
Austin	14	9	3	12	2	16	8	3	11	5
Bemidji	11	3	5	8	3	12	4	5	9	3
Brainerd	22	9	9	18	4	22	6	9	15	7
Canby	13	7	2	9	4	14	7	4	11	3
Dakota County	36	17	8	25	11	35	17	6	23	12
Detroit Lakes	20	9	5	14	6	27	16	6	22	5
Duluth	31	14	10	24	7	31	12	10	22	9
E Grand Forks	17	6	8	14	3	17	6	9	15	2
Eveleth	11	5	4	9	2	12	4	5	9	3
Faribault	17	10	4	14	3	16	8	4	12	4
Granite Falls	14	7	6	13	1	15	7	6	13	2
Hibbing	14	6	6	12	2	14	5	6	11	3
Hutchinson	17	9	5	14	3	16	8	4	12	4
Jackson	23	14	7	21	2	22	14	6	20	2
Mankato	23	9	5	14	9	22	10	3	13	9
Minneapolis	32	15	6	21	11	34	16	6	22	12
Moorhead	22	11	7	18	4	23	10	8	18	5
916	48	22	13	35	13	54	22	16	38	16
Pine City	9	5	3	8	1	9	5	3	8	1
Pipestone	12	7	2	9	3	13	9	2	11	2
Red Wing	17	11	3	14	3	17	9	3	12	5
Rochester	24	8	10	18	6	24	8	13	21	3
St. Cloud	34	20	7	27	7	35	19	8	27	8
St. Paul	40	21	12	33	7	40	20	14	34	6
Staples	20	15	2	17	3	17	11	1	12	5
Sub. Hennepin	53	33	10	43	10	53	31	11	42	11
Thief River	16	7	5	12	4	16	8	6	14	2
Wadena	15	10	4	14	1	15	9	3	12	3
Willmar	28	13	9	22	6	27	12	9	21	6
Winona	21	10	8	18	3	21	10	8	18	3
TOTAL	757	377	215	592	165	773	368	224	592	181
Percent distribution	100%	50%	28%	78%	22%	100%	48%	29%	77%	23%

Table 3. Number & Percent of Female Enrollments by Program Type by AVTI: 1977-78 and 1978-79

AVTI	1977-78: Female Students Enrolled in Programs Which Are:								1978-79: Female Students Enrolled in Programs Which Are:							
	All Programs		Seg - "M"		Seg - "F"		Integrated		All Programs		Seg - "M"		Seg - "F"		Integrated	
	Number	Perct	#	%	#	%	#	%	Number	Perct	#	%	#	%	#	%
Albert Lea	174	100.0%	1	0.6%	57	32.8%	116	66.7%	199	100.0%	3	1.5%	73	36.7%	123	61.8%
Alexandria	733	100.0%	31	4.2%	567	77.4%	135	18.4%	793	100.0%	25	3.2%	560	70.6%	208	26.2%
Anoka	1,397	100.0%	54	3.9%	1,097	78.5%	246	17.6%	1,277	100.0%	90	7.0%	966	75.6%	221	17.3%
Austin	263	100.0%	20	7.6%	171	65.0%	72	27.4%	287	100.0%	10	3.5%	180	62.7%	97	33.8%
Bemidji	200	100.0%	1	0.5%	153	76.5%	46	23.0%	227	100.0%	5	2.2%	152	67.0%	70	30.8%
Brainerd	407	100.0%	26	6.4%	259	63.6%	122	30.0%	410	100.0%	12	2.9%	263	64.1%	135	32.9%
Canby	147	100.0%	7	4.8%	86	58.5%	54	36.7%	134	100.0%	5	3.7%	89	66.4%	40	29.9%
Dakota County	873	100.0%	54	6.2%	587	67.2%	232	26.6%	748	100.0%	39	5.2%	484	64.7%	225	30.1%
Detroit Lakes	253	100.0%	18	7.1%	147	58.1%	88	34.8%	245	100.0%	17	6.9%	149	60.8%	79	32.2%
Duluth	1,111	100.0%	46	4.1%	905	81.5%	160	14.4%	1,180	100.0%	55	4.7%	900	76.3%	225	19.1%
E Grand Forks	293	100.0%	17	5.8%	236	80.5%	40	13.7%	350	100.0%	20	5.7%	281	80.3%	49	14.0%
Eveleth	163	100.0%	5	3.1%	137	84.0%	21	12.9%	236	100.0%	11	4.7%	194	82.2%	31	13.1%
Faribault	207	100.0%	11	5.3%	149	72.0%	47	22.7%	222	100.0%	3	1.4%	149	67.1%	70	31.5%
Granite Falls	245	100.0%	11	4.5%	201	82.0%	33	13.5%	241	100.0%	12	5.0%	179	74.3%	50	20.7%
Hibbing	202	100.0%	12	5.9%	174	86.1%	16	7.9%	194	100.0%	9	4.6%	161	83.0%	24	12.4%
Hutchinson	283	100.0%	15	5.3%	196	69.3%	72	25.4%	313	100.0%	13	4.2%	221	70.6%	79	25.2%
Jackson	360	100.0%	20	5.6%	290	80.6%	50	13.9%	207	100.0%	19	9.2%	147	71.0%	41	19.8%
Mankato	757	100.0%	18	2.4%	407	53.8%	332	43.9%	763	100.0%	26	3.4%	381	49.9%	356	46.7%
Minneapolis	1,040	100.0%	37	3.6%	682	65.6%	321	30.9%	1,006	100.0%	49	4.9%	637	63.3%	320	31.8%
Moorhead	450	100.0%	18	4.0%	321	71.3%	111	24.7%	421	100.0%	14	3.3%	277	65.8%	130	30.9%
916	807	100.0%	59	7.3%	546	67.7%	202	25.0%	650	100.0%	38	5.8%	405	62.3%	207	31.8%
Pine City	103	100.0%	5	4.9%	69	67.0%	29	28.2%	95	100.0%	4	4.2%	60	63.2%	31	32.6%
Pipestone	282	100.0%	29	10.3%	127	45.0%	126	44.7%	254	100.0%	28	11.0%	104	40.9%	122	48.0%
Red Wing	215	100.0%	16	7.4%	143	66.5%	56	26.0%	223	100.0%	21	9.4%	128	57.4%	74	33.2%
Rochester	964	100.0%	1	0.1%	858	89.0%	105	10.9%	922	100.0%	8	0.9%	865	93.8%	49	5.3%
St. Cloud	532	100.0%	29	5.5%	285	53.6%	218	41.0%	670	100.0%	42	6.3%	340	50.7%	288	43.0%
St. Paul	1,351	100.0%	84	6.2%	1,085	80.3%	182	13.5%	1,343	100.0%	79	5.9%	1,059	78.9%	205	15.3%
Staples	122	100.0%	11	9.0%	57	46.7%	54	44.3%	131	100.0%	10	7.6%	23	17.6%	98	74.8%
Sub. Hennepin	1,850	100.0%	158	8.5%	1,147	62.0%	545	29.5%	1,870	100.0%	228	12.2%	1,063	56.8%	579	31.0%
Thief River	225	100.0%	4	1.8%	161	71.6%	60	26.7%	222	100.0%	5	2.3%	197	88.7%	20	9.0%
Wadena	265	100.0%	16	6.0%	212	80.0%	37	14.0%	270	100.0%	22	8.1%	179	66.3%	69	25.6%
Willmar	636	100.0%	14	2.2%	495	77.8%	127	20.0%	646	100.0%	15	2.3%	465	72.0%	166	25.7%
Winona	348	100.0%	6	1.7%	305	87.6%	37	10.6%	331	100.0%	7	2.1%	254	76.7%	70	21.1%
TOTAL	17,258	100.0%	854	4.9%	12,312	71.3%	4,092	23.7%	17,080	100.0%	944	5.5%	11,585	67.8%	4,551	26.6%

Table 4. Number and Percent of Male Enrollments by Program Type by AVTI: 1977-78 and 1978-79

AVTI	1977-78: Male Students Enrolled in Programs Which Are:								1978-79: Male Students Enrolled in Programs Which Are:							
	All Programs		Seg - "F"		Seg - "M"		Integrated		All Programs		Seg - "F"		Seg - "M"		Integrated	
	Number	Percnt	#	%	#	%	#	%	Number	Percnt	#	%	#	%	#	%
Albert Lea	382	100.0%	0	0.0%	262	68.6%	120	31.4%	404	100.0%	0	0.0%	285	70.5%	119	29.5%
Alexandria	912	100.0%	2	0.2%	687	75.3%	223	24.5%	905	100.0%	7	0.8%	682	75.4%	216	23.9%
Anoka	1,802	100.0%	38	2.1%	1,393	77.3%	371	20.6%	1,655	100.0%	24	1.5%	1,337	80.8%	294	17.8%
Austin	465	100.0%	3	0.6%	421	90.5%	41	8.8%	486	100.0%	2	0.4%	393	80.9%	91	18.7%
Bemidji	139	100.0%	0	0.0%	101	72.7%	38	27.3%	257	100.0%	1	0.4%	219	85.2%	37	14.4%
Brainerd	423	100.0%	2	0.5%	330	78.0%	91	21.5%	382	100.0%	7	1.8%	248	64.9%	127	33.2%
Canby	324	100.0%	0	0.0%	284	87.7%	40	12.3%	275	100.0%	4	1.5%	240	87.3%	31	11.3%
Dakota County	1,416	100.0%	25	1.8%	949	67.0%	442	31.2%	1,155	100.0%	23	2.0%	781	67.6%	351	30.4%
Detroit Lakes	488	100.0%	5	1.0%	367	75.2%	116	23.8%	598	100.0%	8	1.3%	499	83.4%	91	15.2%
Duluth	1,123	100.0%	52	4.6%	817	72.8%	254	22.6%	1,107	100.0%	55	5.0%	727	65.7%	325	29.4%
E Grand Forks	401	100.0%	5	1.2%	368	91.8%	28	7.0%	414	100.0%	6	1.4%	388	93.7%	20	4.8%
Eveleth	162	100.0%	1	0.6%	148	91.4%	13	8.0%	188	100.0%	4	2.1%	139	73.9%	45	23.9%
Faribault	293	100.0%	4	1.4%	253	86.3%	367	12.3%	291	100.0%	4	1.4%	209	71.8%	78	26.8%
Granite Falls	245	100.0%	2	0.8%	235	95.9%	8	3.3%	294	100.0%	2	0.7%	263	89.5%	29	9.9%
Hibbing	309	100.0%	9	2.9%	257	83.2%	43	13.9%	358	100.0%	12	3.4%	285	79.6%	61	17.0%
Hutchinson	471	100.0%	0	0.0%	402	85.4%	69	14.6%	458	100.0%	0	0.0%	350	76.4%	108	23.6%
Jackson	679	100.0%	12	1.8%	637	93.8%	30	4.4%	695	100.0%	7	1.0%	653	94.0%	35	5.0%
Mankato	1,059	100.0%	5	0.5%	700	66.1%	354	33.4%	1,021	100.0%	16	1.6%	661	64.7%	344	33.7%
Minneapolis	1,238	100.0%	52	4.2%	837	67.6%	349	28.2%	1,154	100.0%	50	4.3%	796	69.0%	308	26.7%
Moorhead	643	100.0%	2	0.3%	496	77.1%	145	22.6%	591	100.0%	1	0.2%	413	69.9%	177	29.9%
916	957	100.0%	15	1.6%	709	74.1%	233	24.3%	823	100.0%	26	3.2%	572	69.5%	225	27.3%
Pine City	217	100.0%	1	0.5%	202	93.1%	14	6.5%	151	100.0%	3	2.0%	139	92.1%	9	6.0%
Pipestone	584	100.0%	5	0.9%	521	89.2%	58	9.9%	559	100.0%	2	0.4%	514	91.9%	43	7.7%
Red Wing	395	100.0%	2	0.5%	335	84.8%	58	14.7%	396	100.0%	1	0.3%	297	75.0%	98	24.7%
Rochester	405	100.0%	22	5.4%	326	80.5%	57	14.1%	427	100.0%	40	9.4%	349	81.7%	38	8.9%
St. Cloud	1,208	100.0%	4	0.3%	985	81.5%	219	18.1%	1,161	100.0%	7	0.6%	879	75.7%	275	23.7%
St. Paul	1,965	100.0%	55	2.8%	1,628	82.8%	282	14.4%	2,050	100.0%	67	3.3%	1,631	79.6%	352	17.2%
Staples	676	100.0%	2	0.3%	566	83.7%	108	16.0%	669	100.0%	2	0.3%	514	76.8%	153	22.9%
Sub. Hennepin	3,805	100.0%	92	2.4%	2,786	73.2%	927	24.4%	3,567	100.0%	71	2.0%	2,678	75.1%	818	22.9%
Thief River	466	100.0%	0	0.0%	340	73.0%	126	27.0%	379	100.0%	9	2.4%	336	88.7%	34	9.0%
Wadena	421	100.0%	4	1.0%	390	92.6%	27	6.4%	416	100.0%	0	0.0%	360	86.5%	56	13.5%
Willmar	826	100.0%	1	0.1%	697	84.4%	128	15.5%	641	100.0%	2	0.3%	517	80.7%	122	19.0%
Winona	466	100.0%	2	0.4%	402	86.3%	62	13.3%	418	100.0%	3	0.7%	345	82.5%	70	16.7%
TOTAL	25,365	100.0%	424	1.7%	19,831	78.2%	5,110	20.1%	24,345	100.0%	466	1.9%	18,699	76.8%	5,180	21.3%

Table 4. Number & Percent of Male Enrollments by Program Type by AVTI: 1977-78 & 1978-79

Table 5. Number of Students by Program Type: Segregated Traditional, Segregated Non-Traditional, and Integrated, by AVTI: 1977-78 and 1978-79

AVTI	77-78: Number in Programs Which Are Segregated and: Total					78-79: Number in Programs Which Are Segregated and: Total				
	Trad	NTrad	Total	Integ	Studen	Trad	NTrad	Total	Integ	Studen
Albert Lea	319	1	320	236	556	358	3	361	242	603
Alexandria	1,254	33	1,287	358	1,645	1,242	32	1,274	424	1,698
Anoka	2,490	92	2,582	617	3,199	2,303	114	2,417	515	2,932
Austin	592	23	615	113	728	573	12	585	188	773
Bemidji	254	1	255	84	339	371	6	377	107	484
Brainerd	589	28	617	213	830	511	19	530	262	792
Canby	370	7	377	94	471	329	9	338	71	409
Dakota Co	1,536	79	1,615	674	2,289	1,265	62	1,327	576	1,903
Detroit Lak	514	23	537	204	741	648	25	673	170	843
Duluth	1,722	98	1,820	414	2,234	1,627	110	1,737	550	2,287
E Grand For	604	22	626	68	694	669	26	695	69	764
Eveleth	285	6	291	34	325	333	15	348	76	424
Faribault	402	15	417	83	500	358	7	365	148	513
Granite Fal	436	13	449	41	490	442	14	456	79	535
Hibbing	431	21	452	59	511	446	21	467	85	552
Hutchinson	598	15	613	141	754	571	13	584	187	771
Jackson	927	32	959	80	1,039	800	26	826	76	902
Mankato	1,107	23	1,130	686	1,816	1,042	42	1,084	700	1,784
Minneapolis	1,519	89	1,608	670	2,278	1,433	99	1,532	628	2,160
Moorhead	817	20	837	256	1,093	690	15	705	307	1,012
916	1,255	74	1,329	435	1,764	977	64	1,041	432	1,473
Pine City	271	6	277	43	320	199	7	206	40	246
Pipestone	648	34	682	184	866	618	30	648	165	813
Red Wing	478	18	496	114	610	425	22	447	172	619
Rochester	1,184	23	1,207	162	1,369	1,214	48	1,262	87	1,349
St. Cloud	1,270	33	1,303	437	1,740	1,219	49	1,268	563	1,831
St. Paul	2,713	139	2,852	464	3,316	2,690	146	2,836	557	3,393
Staples	623	13	636	162	798	537	12	549	251	800
Sub Hennep	3,933	250	4,183	1,472	5,655	3,741	299	4,040	1,397	5,437
Thief River	501	4	505	186	691	533	14	547	54	601
Wadena	602	20	622	64	686	539	22	561	125	686
Willmar	1,192	15	1,207	255	1,462	982	17	999	288	1,287
Winona	707	8	715	99	814	599	10	609	140	749
TOTAL	32,143	1,278	33,421	9,202	42,623	30,284	1,410	31,694	9,731	41,425

Table 6. Percent of All Students Enrolled by Program Type by AVTI: 1977-78 & 1978-79

AVTI	77-78: % in Programs Which Are:					78-79: % in Programs Which Are:				
	Segregated and:			Integ	Total	Segregated and:			Integ	Total
	Trad	NTrad	Total			Trad	NTrad	Total		
Albert Lea	57.4%	0.2%	57.6%	42.4%	100.0%	59.4%	0.5%	59.9%	40.1%	100.0%
Alexandria	76.2%	2.0%	78.2%	21.8%	100.0%	73.1%	1.9%	75.0%	25.0%	100.0%
Anoka	77.8%	2.9%	80.7%	19.3%	100.0%	78.5%	3.9%	82.4%	17.6%	100.0%
Austin	81.3%	3.2%	84.5%	15.5%	100.0%	74.1%	1.6%	75.7%	24.3%	100.0%
Bemidji	74.9%	0.3%	75.2%	24.8%	100.0%	76.7%	1.2%	77.9%	22.1%	100.0%
Brainerd	71.0%	3.3%	74.3%	25.7%	100.0%	64.5%	2.4%	66.9%	33.1%	100.0%
Canby	78.6%	1.4%	80.0%	20.0%	100.0%	80.4%	2.2%	82.6%	17.4%	100.0%
Dakota Co.	67.1%	3.5%	70.6%	29.4%	100.0%	66.5%	3.3%	69.7%	30.3%	100.0%
Detroit Lak	69.4%	3.1%	72.5%	27.5%	100.0%	76.9%	3.0%	79.8%	20.2%	100.0%
Duluth	77.1%	4.4%	81.5%	18.5%	100.0%	71.1%	4.8%	76.0%	24.0%	100.0%
E Grand For	87.0%	3.2%	90.2%	9.8%	100.0%	87.6%	3.4%	91.0%	9.0%	100.0%
Eveleth	87.7%	1.8%	89.5%	10.5%	100.0%	78.5%	3.5%	82.1%	17.9%	100.0%
Faribault	80.4%	3.0%	83.4%	16.6%	100.0%	69.8%	1.4%	71.2%	28.8%	100.0%
Granite Fal	89.0%	2.6%	91.6%	8.4%	100.0%	82.6%	2.6%	85.2%	14.8%	100.0%
Hibbing	84.3%	4.2%	88.5%	11.5%	100.0%	80.8%	3.8%	84.6%	15.4%	100.0%
Hutchinson	79.3%	2.0%	81.3%	18.7%	100.0%	74.1%	1.7%	75.7%	24.3%	100.0%
Jackson	89.2%	3.1%	92.3%	7.7%	100.0%	88.7%	2.9%	91.6%	8.4%	100.0%
Mankato	61.0%	1.2%	62.2%	37.8%	100.0%	58.4%	2.4%	60.8%	39.2%	100.0%
Minneapolis	66.7%	3.9%	70.6%	29.4%	100.0%	66.3%	4.6%	70.9%	29.1%	100.0%
Moorhead	74.7%	1.9%	76.6%	23.4%	100.0%	68.2%	1.5%	69.7%	30.3%	100.0%
916	71.1%	4.2%	75.3%	24.7%	100.0%	66.3%	4.3%	70.7%	29.3%	100.0%
Pine City	84.7%	1.9%	86.6%	13.4%	100.0%	80.9%	2.8%	83.7%	16.3%	100.0%
Pipestone	74.8%	4.0%	78.8%	21.2%	100.0%	76.0%	3.7%	79.7%	20.3%	100.0%
Red Wing	78.4%	2.9%	81.3%	18.7%	100.0%	68.7%	3.6%	72.2%	27.8%	100.0%
Rochester	86.5%	1.7%	88.2%	11.8%	100.0%	90.0%	3.6%	93.6%	6.4%	100.0%
St. Cloud	73.0%	1.9%	74.9%	25.1%	100.0%	66.6%	2.7%	69.3%	30.7%	100.0%
St. Paul	81.8%	4.2%	86.0%	14.0%	100.0%	79.3%	4.3%	83.6%	16.4%	100.0%
Staples	78.1%	1.6%	79.7%	20.3%	100.0%	67.1%	1.5%	68.6%	31.4%	100.0%
Sub Hennep	69.5%	4.5%	74.0%	26.0%	100.0%	68.8%	5.5%	74.3%	25.7%	100.0%
Thief River	72.5%	0.6%	73.1%	26.9%	100.0%	88.7%	2.3%	91.0%	9.0%	100.0%
Wadena	87.8%	2.9%	90.7%	9.3%	100.0%	78.6%	3.2%	81.8%	18.2%	100.0%
Willmar	81.5%	1.1%	82.6%	17.4%	100.0%	76.3%	1.3%	77.6%	22.4%	100.0%
Winona	86.9%	0.9%	87.8%	12.2%	100.0%	80.0%	1.3%	81.3%	18.7%	100.0%
TOTAL	75.4%	3.0%	78.4%	21.6%	100.0%	73.1%	3.4%	76.5%	23.5%	100.0%

Table 7. Net Program Budgets Apportioned by Headcount by Sex, Percent Female Budget & Percent Female Headcount, by AVTI: 1977-78 & 78-79

AVTI	1977-78: Net Budget				77-78 Percent Female Students	1978-79: Net Budget				78-79 Percent Female Students
	Total	Male Students	Female Students	Percent Female		Total	Male Students	Female Students	Percent Female	
Albert Lea	\$ 778,136	\$ 523,653	\$ 254,483	32.7%	31.3%	\$ 793,339	\$ 535,981	\$ 257,358	31.7%	33.0%
Alexandria	2,504,321	1,606,332	897,989	35.9%	44.6%	2,567,933	1,600,114	967,824	36.3%	46.7%
Anoka	3,057,652	2,007,498	1,050,154	34.3%	43.7%	3,145,882	2,004,346	1,141,536	33.7%	43.6%
Austin	923,202	652,775	270,427	29.3%	36.1%	1,071,230	714,401	356,829	33.3%	37.1%
Bemidji	633,088	273,278	359,810	56.8%	59.0%	747,170	385,607	361,563	48.4%	46.9%
Brainerd	1,154,571	562,807	591,764	51.3%	49.0%	1,124,214	506,525	617,690	53.4%	51.8%
Canby	804,593	533,217	271,376	33.7%	31.2%	845,573	512,314	333,259	39.4%	32.8%
Dakota County	3,133,156	2,269,365	863,791	27.6%	38.1%	3,015,275	2,055,634	959,641	30.8%	39.3%
Detroit Lakes	911,805	627,044	284,761	31.2%	34.1%	1,163,096	828,036	335,061	28.8%	29.1%
Duluth	2,008,911	1,244,923	763,988	38.0%	49.7%	1,941,784	1,096,434	845,351	41.4%	51.6%
East Grand Forks	889,232	484,071	405,161	45.6%	42.2%	989,935	521,435	468,500	47.0%	45.8%
Eveleth	492,351	257,612	234,739	47.7%	50.2%	486,531	233,783	252,748	51.9%	55.7%
Faribault	920,971	562,917	358,054	38.9%	41.4%	853,239	499,434	353,809	41.1%	43.3%
Granite Falls	647,321	385,726	261,595	40.4%	50.0%	713,108	438,041	275,067	35.4%	45.0%
Hibbing	638,663	412,037	226,626	35.5%	39.5%	696,368	451,455	244,913	33.2%	35.1%
Hutchinson	1,416,663	1,008,934	407,729	28.8%	37.5%	1,272,080	882,840	389,244	29.6%	40.6%
Jackson	1,077,693	770,427	307,266	28.5%	34.6%	997,653	711,555	286,103	28.7%	22.9%
Mankato	1,833,458	1,078,489	754,969	41.2%	41.7%	1,982,979	1,167,666	815,313	39.7%	42.8%
Minneapolis	2,039,518	1,198,386	841,132	41.2%	45.7%	2,348,654	1,302,569	1,046,098	42.6%	46.6%
Moorhead	1,287,886	834,508	453,378	35.2%	41.2%	1,339,204	842,045	497,159	35.3%	41.6%
916	2,778,891	1,673,890	1,105,001	39.8%	45.7%	3,038,561	1,769,238	1,269,325	37.9%	44.1%
Pine City	360,096	272,521	87,575	24.3%	32.2%	342,205	253,714	88,494	25.9%	38.6%
Pipestone	1,116,493	813,147	303,346	27.2%	32.6%	881,828	651,226	230,602	26.2%	31.2%
Red Wing	780,917	588,833	192,084	24.6%	35.2%	805,517	548,401	257,116	31.4%	36.0%
Rochester	1,502,773	608,008	894,765	59.5%	70.4%	1,591,633	648,690	942,944	59.2%	68.3%
St. Cloud	2,149,365	1,472,037	677,328	31.5%	30.6%	2,201,742	1,424,678	777,064	35.3%	36.6%
St. Paul	2,828,561	1,846,078	982,483	34.7%	40.7%	3,047,478	1,930,549	1,116,933	30.0%	39.6%
Staples	1,729,332	1,567,733	161,599	9.3%	15.3%	1,790,200	1,578,514	211,686	11.3%	16.4%
Sub Hennepin	3,882,463	2,868,530	1,013,933	26.1%	32.7%	6,537,317	4,565,524	1,971,797	29.9%	34.4%
Thief River	802,183	568,298	233,885	29.2%	32.6%	732,753	519,765	212,988	29.1%	36.9%
Wadena	800,589	583,509	217,080	27.1%	38.6%	842,274	594,800	247,474	29.4%	39.4%
Willmar	2,127,324	1,360,565	766,759	36.0%	43.5%	2,276,203	1,370,536	905,667	38.0%	50.2%
Winona	862,973	565,364	297,609	34.5%	42.8%	805,012	510,512	294,500	34.8%	44.2%
TOTAL	\$48,875,151	\$32,082,512	\$16,792,639	34.4%	40.5%	\$52,987,970	\$33,656,362	\$19,331,656	36.5%	41.2%

Table 7. Net Program Budgets Apportioned by Headcount by Sex, Percent Female Budget & Percent Female Headcount, by AVTI: 1977-78 and 1978-79

Table 8. Program Cost per Student and Cost Ratio by AVTI by Sex: 1977-78 and 1978-79

AVTI	1977-78: Cost per Student				1978-79: Cost per Student			
	Males	Females	Total	F/M Ratio	Males	Females	Total	F/M Ratio
Albert Lea	\$ 1,371	\$ 1,463	\$1,400	106.7%	\$ 1,327	\$ 1,293	\$1,316	97.4%
Alexandria	1,761	1,225	1,522	69.6%	1,768	1,220	1,512	69.0%
Anoka	1,114	752	956	67.5%	1,211	894	1,073	73.8%
Austin	1,404	1,028	1,268	73.2%	1,470	1,243	1,386	84.6%
Bemidji	1,966	1,799	1,868	91.5%	1,500	1,593	1,544	106.2%
Brainerd	1,331	1,454	1,391	109.2%	1,326	1,507	1,419	113.7%
Canby	1,646	1,846	1,708	112.2%	1,863	2,487	2,067	133.5%
Dakota County	1,603	989	1,369	61.7%	1,780	1,283	1,584	72.1%
Detroit Lakes	1,285	1,126	1,231	87.6%	1,385	1,368	1,380	98.8%
Duluth	1,109	688	899	62.0%	990	716	849	72.3%
East Grand Forks	1,207	1,383	1,281	114.6%	1,260	1,339	1,296	106.3%
Eveleth	1,590	1,440	1,515	90.6%	1,244	1,071	1,147	86.1%
Faribault	1,921	1,730	1,842	90.1%	1,716	1,594	1,663	92.9%
Granite Falls	1,574	1,068	1,321	67.9%	1,490	1,141	1,333	76.6%
Hibbing	1,333	1,122	1,250	84.2%	1,261	1,262	1,262	100.1%
Hutchinson	2,142	1,441	1,879	67.3%	1,928	1,244	1,650	64.5%
Jackson	1,135	854	1,037	75.2%	1,024	1,382	1,106	135.0%
Mankato	1,018	997	1,010	97.9%	1,144	1,069	1,112	93.4%
Minneapolis	968	809	895	83.6%	1,129	1,040	1,087	92.1%
Moorhead	1,298	1,008	1,178	77.7%	1,425	1,181	1,323	82.9%
916	1,749	1,369	1,575	78.3%	2,150	1,953	2,063	90.8%
Pine City	1,256	850	1,125	67.7%	1,680	932	1,391	55.5%
Pipestone	1,392	1,076	1,289	77.3%	1,165	908	1,085	77.9%
Red Wing	1,491	893	1,280	59.9%	1,385	1,153	1,301	83.2%
Rochester	1,501	928	1,098	61.8%	1,519	1,023	1,180	67.3%
St. Cloud	1,219	1,273	1,235	104.4%	1,227	1,160	1,202	94.5%
St. Paul	939	727	853	77.4%	942	832	898	88.3%
Staples	2,319	1,325	2,167	57.1%	2,360	1,616	2,238	68.5%
Suburban Hennepin	754	548	687	72.7%	1,280	1,054	1,202	82.3%
Thief River Falls	1,220	1,039	1,161	85.2%	1,371	959	1,219	69.9%
Wadena	1,386	819	1,167	59.1%	1,430	917	1,228	64.1%
Willmar	1,647	1,206	1,455	73.2%	2,138	1,402	1,769	65.6%
Winona	1,213	855	1,060	70.5%	1,221	890	1,075	72.9%
TOTAL	\$ 1,265	\$ 973	\$1,147	76.9%	\$1,382	\$ 1,132	\$1,279	81.9%

Table 9. Sample Enrollments in Secondary School Vocational Programs
by Curriculum Area and Percent of Total Enrollments,
by Sex: 1978-79

	<u>Male Students</u>	<u>Female Students</u>	<u>Total Students</u>	<u>Percent Female</u>
<u>Curriculum Area</u>				
Agriculture/Agribusiness & Natural Resources	262	85	347	24.5%
Business & Office Occupations	416	1,781	2,197	81.1%
Health & Environment Occupations	79	218	297	73.4%
Homemaking Occupations	655	2,866	3,521	81.4%
Industrial Occupations	2,397	318	2,715	11.7%
Marketing & Distri- butive Occupations	274	346	620	55.8%
Service Occupations	91	274	365	75.1%
TOTAL- Curriculum Areas	4,174	5,888	10,062	58.5%
<u>Special Programs</u>				
Community Based Programs	213	270	483	55.9%
Special Needs Programs	658	433	1,091	39.7%
Cooperative Programs	407	630	1,037	60.8%
Work Experience/Career Exploration Programs	162	104	266	39.1%
TOTAL- Special Programs	1,440	1,437	2,877	49.9%

Note: These data are from on-site visits to six high schools and nine secondary cooperative vocational centers in the state, conducted by the Minnesota Department of Education. This information consists of a simple headcount of enrollments at the time of the visits.

Table 10. Administrators' Average Salaries and Years of Service by AVTI
by Sex: 1977-78 and 1978-79

AVTI	1977-78 Administrators				1978-79 Administrators			
	Avg Yrly Salary		Avg Yrs Service		Avg Yrly Salary		Avg Yrs Service	
	Males	Females	Males	Females	Males	Females	Males	Females
Albert Lea	\$28,050	--	26.0 yrs	--	\$25,748	--	25.3 yrs	--
Alexandria	25,174	--	22.0	--	28,716	--	23.2	--
Anoka	*	\$25,495	14.4	11.0 yrs	30,692	\$28,600	17.2	12.0 yrs
Austin	27,600	*	32.0	9.0	--	25,200	--	10.0
Bemidji	25,000	--	12.0	--	25,282	--	13.7	--
Brainerd	27,917	--	14.0	--	28,742	--	15.0	--
Canby	25,257	--	15.5	--	27,600	--	16.5	--
Dakota Co.	27,347	17,000	6.5	1.0	24,876	18,232	8.2	5.0
Detroit Lak	27,278	--	21.0	--	28,881	--	22.0	--
Duluth	31,450	--	27.0	--	26,783	--	23.0	--
E Grand For	26,250	--	21.5	--	29,200	--	25.0	--
Eveleth	22,850	--	14.5	--	24,650	--	15.5	--
Faribault	27,500	--	11.0	--	35,630	--	9.5	--
Granite Fal	22,117	--	23.7	--	27,025	--	30.0	--
Hibbing	23,414	--	29.0	--	27,773	--	24.5	--
Hutchinson	23,820	--	21.3	--	26,646	--	19.3	--
Jackson	22,767	--	22.0	--	27,464	--	22.0	--
Wankato	25,423	11,500	6.8	1.0	28,865	12,200	7.8	2.0
Minneapolis	30,228	13,025	24.9	8.0	30,324	17,957	24.4	14.0
Moorhead	26,091	--	15.7	--	26,624	--	16.7	--
916	27,778	--	6.8	--	--	--	--	--
Pine City	27,000	--	20.0	--	28,564	--	21.0	--
Pipestone	26,000	12,200	31.0	6.0	36,000	14,630	32.0	7.0
Red Wing	28,115	23,787	18.0	28.0	31,920	27,727	19.0	29.0
Rochester	27,584	25,947	22.0	11.0	31,792	28,950	24.0	13.0
St. Cloud	23,581	23,882	16.2	11.0	25,714	25,196	17.2	12.0
St. Paul	26,642	24,492	23.1	24.0	27,943	24,492	22.9	25.0
Staples	27,450	--	6.0	--	--	--	--	--
Sub Hennep	29,358	--	13.0	--	31,800	--	18.0	--
Thief River	23,318	--	27.7	--	25,309	--	28.7	--
Wadena	25,397	--	17.7	--	26,823	--	18.7	--
Willmar	26,283	--	26.5	--	28,135	--	27.5	--
Winona	24,654	--	17.3	--	30,050	--	20.5	--

-- No female administrators or no male administrators.

* Because of what appears to be a reporting or computer error, these data are not reported here.

Table 11. Teachers' Average Salaries and Years of Service by AVTI
by Sex: 1977-78 and 1978-79

AVTI	1977-78 Teachers				1978-79 Teachers			
	Avg Yrly Salary		Avg Yrs Service		Avg Yrly Salary		Avg Yrs Service	
	Males	Females	Males	Females	Males	Females	Males	Females
Albert Lea	\$16,944	\$ 8,304	6.6yrs	4.2yrs	\$19,882	\$12,943	7.1yrs	4.6yrs
Alexandria	17,372	12,199	8.5	6.9	18,989	14,368	9.4	6.7
Anoka	25,276	16,191	7.1	7.1	19,656	15,845	7.5	7.7
Austin	17,196	15,007	13.1	12.5	18,474	16,074	12.3	11.0
Bemidji	15,562	14,542	8.2	6.7	18,175	15,712	8.9	7.3
Brainerd	18,376	14,969	8.0	6.7	19,899	16,347	8.8	7.8
Canby	16,994	15,073	7.3	12.5	17,694	13,650	7.7	7.9
Dakota Co.	15,927	15,312	4.5	6.3	17,735	15,958	5.2	5.9
Detroit Lak	14,223	12,987	7.2	6.4	15,176	14,128	8.1	7.5
Duluth	16,839	13,624	11.5	8.2	17,403	15,137	10.4	10.1
E Grand For	14,988	14,851	14.1	11.3	15,948	12,182	17.1	11.7
Eveleth	14,470	13,187	8.5	8.0	16,694	15,947	9.5	9.3
Faribault	17,717	13,992	11.5	11.4	20,251	16,313	12.3	10.8
Granite Fal	16,317	10,236	8.9	6.7	17,396	12,812	10.3	8.4
Hibbing	16,135	16,465	7.0	9.7	18,308	19,307	7.2	9.4
Hutchinson	17,078	12,604	14.6	13.5	17,837	12,565	12.3	13.9
Jackson	18,548	15,800	9.8	7.0	19,208	12,433	10.4	8.0
Mankato	18,027	14,003	6.2	4.9	20,005	16,403	6.9	6.0
Minneapolis	21,286	20,309	13.5	11.5	23,333	22,535	15.4	12.4
Moorhead	18,397	14,044	8.4	9.5	19,602	13,792	9.2	9.4
916	16,726	14,055	4.9	4.1	19,353	16,631	5.6	4.8
Pine City	15,890	12,695	8.4	15.0	16,891	13,910	9.9	17.0
Pipestone	17,064	12,840	8.2	5.1	18,887	13,190	9.0	3.8
Red Wing	15,962	14,514	8.3	11.5	18,547	15,176	9.6	11.2
Rochester	17,171	18,762	10.4	6.1	17,482	16,224	10.7	7.2
St. Cloud	17,163	13,265	10.2	9.5	19,537	15,474	10.6	9.6
St. Paul	20,116	18,172	12.1	9.7	21,750	19,318	11.9	8.7
Staples	19,186	15,366	5.4	6.0	21,768	18,470	5.8	8.5
Sub. Hennep	19,698	16,782	6.0	5.7	23,007	20,068	6.7	6.3
Thief River	15,067	12,260	11.6	10.7	17,487	15,238	11.9	10.1
Wadena	17,416	16,720	7.2	4.7	17,796	13,091	7.8	4.5
Willmar	18,843	14,678	12.3	7.4	20,143	15,294	13.1	8.5
Winona	17,268	14,132	9.5	7.5	19,021	15,045	11.0	8.3

Table 12. Teachers' Average Salaries & Years Service by Curriculum Area & Secondary or Post-Secondary Level, by Sex: 1977-1978-79

Curriculum Area and Level	1977-78 Teachers						1978-79 Teachers					
	# FT Equivalents		Avg Yrly Salary		Avg Yrs Service		# FT Equivalents		Avg Yrly Salary		Avg Yrs Service	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
Vocational-related												
Secondary	250.7	54.6	\$18,435	\$15,004	13.6yrs	8.5yrs	289.7	53.2	\$19,965	\$16,303	14.5yrs	9.5yrs
Post-Secondary	190.2	94.1	20,356	15,082	13.2	8.8	177.9	96.4	22,015	15,950	13.6	8.5
Total	440.9	148.7	19,264	15,053	13.4	8.7	467.6	149.6	20,745	16,076	14.2	8.9
Agriculture												
Secondary	330.9	15.9	15,024	12,479	11.1	3.7	335.8	13.7	16,154	13,815	11.0	5.6
Post-Secondary	240.5	5.2	16,842	12,829	11.2	4.9	230.9	5.8	17,942	13,761	11.9	3.6
Total	571.4	21.1	15,789	12,565	11.1	4.0	566.7	19.5	16,882	13,799	11.4	5.0
Distributive												
Secondary	115.0	22.3	16,657	13,882	10.9	6.8	111.3	25.3	18,301	12,880	12.2	4.7
Post-Secondary	112.9	33.5	17,187	15,530	6.0	6.5	116.4	35.1	18,535	14,906	6.7	5.9
Total	227.9	55.8	16,920	14,871	8.5	6.6	227.7	60.4	18,421	14,057	9.4	5.4
Health												
Secondary	2.0	50.4	17,616	14,755	14.1	6.0	2.1	59.5	23,363	14,672	9.3	6.8
Post-Secondary	24.8	208.9	16,376	15,575	4.1	7.0	28.0	213.5	17,354	16,480	5.2	7.8
Total	26.8	259.3	16,469	15,416	4.8	6.8	30.1	273.0	17,773	16,086	5.5	7.6
Home Economics												
Secondary	10.4	1,213.4	16,121	13,200	11.1	9.8	16.0	1,183.8	15,520	14,353	8.2	10.4
Post-Secondary	12.0	26.2	15,315	14,848	6.6	6.9	10.0	28.2	17,383	16,790	6.6	9.0
Total	22.4	1,239.6	15,689	13,235	8.7	9.7	26.0	1,212.0	16,236	14,410	7.6	10.4
Industrial Arts												
Secondary	1,467.8	5.5	15,373	12,291	13.3	11.2	1,428.0	4.3	16,814	14,278	14.1	12.4
Post-Secondary	--	--	--	--	--	--	--	--	--	--	--	--
Total	1,467.8	5.5	15,373	12,291	13.3	11.2	1,428.0	4.3	16,814	14,278	14.1	12.4
Business & Office												
Secondary	633.3	524.7	16,144	13,695	14.4	10.9	625.5	522.2	17,291	14,622	15.3	11.3
Post-Secondary	181.4	168.1	17,712	15,321	9.1	8.6	183.5	173.6	19,576	16,735	10.6	9.4
Total	814.7	692.8	16,493	14,090	13.2	10.3	809.0	695.8	17,809	15,149	14.2	10.8
Technical												
Secondary	5.1	0.2	16,627	19,032	7.4	14.0	5.7	0.2	19,705	24,853	11.8	15.0
Post-Secondary	181.2	0.7	18,808	19,032	9.6	14.0	188.3	1.7	20,095	18,277	9.6	9.5
Total	186.3	0.9	18,747	19,032	9.5	14.0	194.0	1.9	20,084	18,969	9.7	10.0
Trade & Industrial												
Secondary	335.3	10.8	17,105	13,749	11.0	5.3	383.7	7.4	17,538	15,910	11.6	6.3
Post-Secondary	746.9	36.8	17,815	15,375	7.9	7.3	774.3	35.8	19,402	17,023	8.6	7.9
Total	1,082.2	47.6	17,595	15,006	8.9	6.8	1,158.0	43.2	18,784	16,832	9.6	7.6
TOTAL SECONDARY	3,150.5	1,897.8	15,972	13,433	13.0	9.9	3,197.8	1,869.6	17,251	14,477	13.6	10.4
TOTAL POST-SECONDARY	1,689.9	573.5	17,974	15,350	9.1	7.7	1,709.7	590.1	19,463	16,401	9.7	8.3
ALL TEACHERS	4,840.4	2,471.3	\$16,671	\$13,878	11.6yrs	9.4yrs	4,907.5	2,459.7	\$18,031	\$14,939	12.3 yrs	9.9 yrs

Table 12. Teachers' Average Salaries & Years Service by Curriculum Area & Secondary or Post-Secondary Level, by Sex: 1977-78 and 1978-79

Table 13. Number of Vocational Professional Staff, Average Salaries & Years of Service by Occupation & System: Secondary Districts, Secondary Centers, or AVTIs, by Sex: 1978-79

System	# Full-Time Equivalents			Avg Yrs Service		Avg Yrly Salary	
	Males	Females	Total	Males	Females	Males	Females
Secondary Districts							
Teachers	2,656.9	1,543.9	4,200.8	14.1yrs	10.7yrs	\$17,787	\$14,901
Administrators	23.1	3.3	26.4	17.2	9.1	25,615	18,627
Secondary Centers							
Teachers	223.5	112.6	336.1	9.2	7.5	15,372	13,741
Administrators	39.6	1.0	40.6	17.6	17.0	24,180	*
AVTIs							
Teachers	1,613.6	587.5	2,201.1	9.4	8.3	19,624	16,412
Administrators	81.4	13.5	94.9	19.7	11.8	27,975	23,036
STATE TOTAL**							
Teachers	4,494.0	2,244.0	6,738.0	12.2	9.9	18,326	15,238
Administrators	144.1	17.8	161.9	18.7	11.6	26,554	22,170

* Because of what appears to be a reporting or computer error, this figure is not reported here.

** These totals exclude some post-secondary staff in secondary facilities and some secondary staff at AVTIs. Therefore, totals shown here are slightly smaller than those shown on page 10 of the narrative report, which include all vocational professional staff.