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ABSTRACT

This report provides data on withdrawal and success rates and grades earned in fall 1993 at the five campuses of Pima Community College (PCC), in Arizona. First, information is presented on the following areas: (1) successes and withdrawals by campus and district-wide, indicating that the Community campus showed the highest percentage of successes (75%) and the lowest percentage of withdrawals (21%); (2) district successes and withdrawals by ethnicity, indicating that Asians had the highest success rate and Native Americans the lowest; (3) district successes and withdrawals by gender, revealing higher success and lower withdrawal rates for females than for males; and (4) district successes and withdrawals by age group, indicating that students over 40 showed the highest percentage of passing grades at 78%. Appendix A includes tables showing the number and percent of grades awarded for fall 1989-93 district-wide and by campus, indicating that in fall 1993, 33% (n=25,489) of the grades awarded were "A's," 20% (n=15,274) were "B's," 11% (n=8,573) were "C's," 2% (n=1,815) were passes, 3% (1,974) were "D's," 25% (n=19,637) were withdrawals, 3% (2,104) were "F's," and 3% (n=2,011) were incompletes. Finally, Appendix B provides tables on the district-wide numbers and percentages of grades awarded in fall 1993 by ethnicity, gender, age, veteran status, Pell grant status, and occupational and non-occupational classes. (KP)

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Analysis of Fall 1993 Course Grades

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May 1994

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Analysis of Fall 1993 Course Grades

This report summarizes Pima Community College's (PCC's) Fall 1993 distribution of course grades. Grades are categorized by successes and withdrawals for the district, as well as by campus, ethnicity, gender and age groups. Fall 1993 course grades are also compared with those from previous fall semesters. In addition, the tables in the appendices provide a comprehensive comparative analysis of course grades by district, campus, student characteristics, veteran status, Pell Grant status, day/extended-day status, and occupational/non-occupational classes.

Total successes are defined as the sum of A, B, C, P, and D grades. Total withdrawals are defined as the sum of W's (official withdrawals) and Y's (general withdrawals), designating neither success nor lack of success.

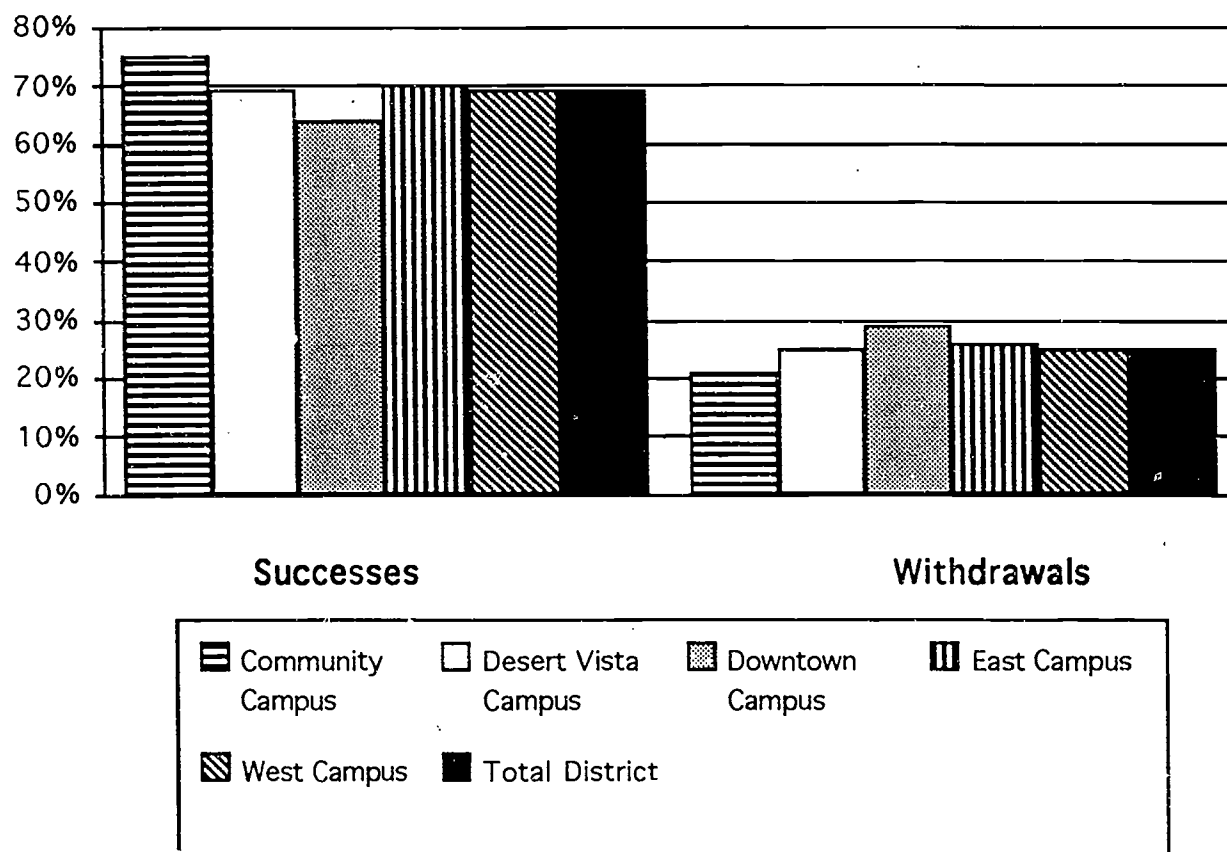
District successes and withdrawals by five year summary

Appendix Table A1 shows the number and percent of grades awarded district students from Fall 1989 through Fall 1993. Successes and withdrawals have remained comparatively constant at 69% and 25%, respectively.

Successes and withdrawals by campus

Graph 1 and Appendix Tables A2 through A6 display the percent of Fall 1993 total course grade successes and withdrawals by campus. Students at the Community Campus earned the highest percentage of successes (75%) and the lowest percentage of withdrawals (21%). Conversely, the Downtown Campus students obtained the fewest successes (64%) and the highest percentage of withdrawals (29%).

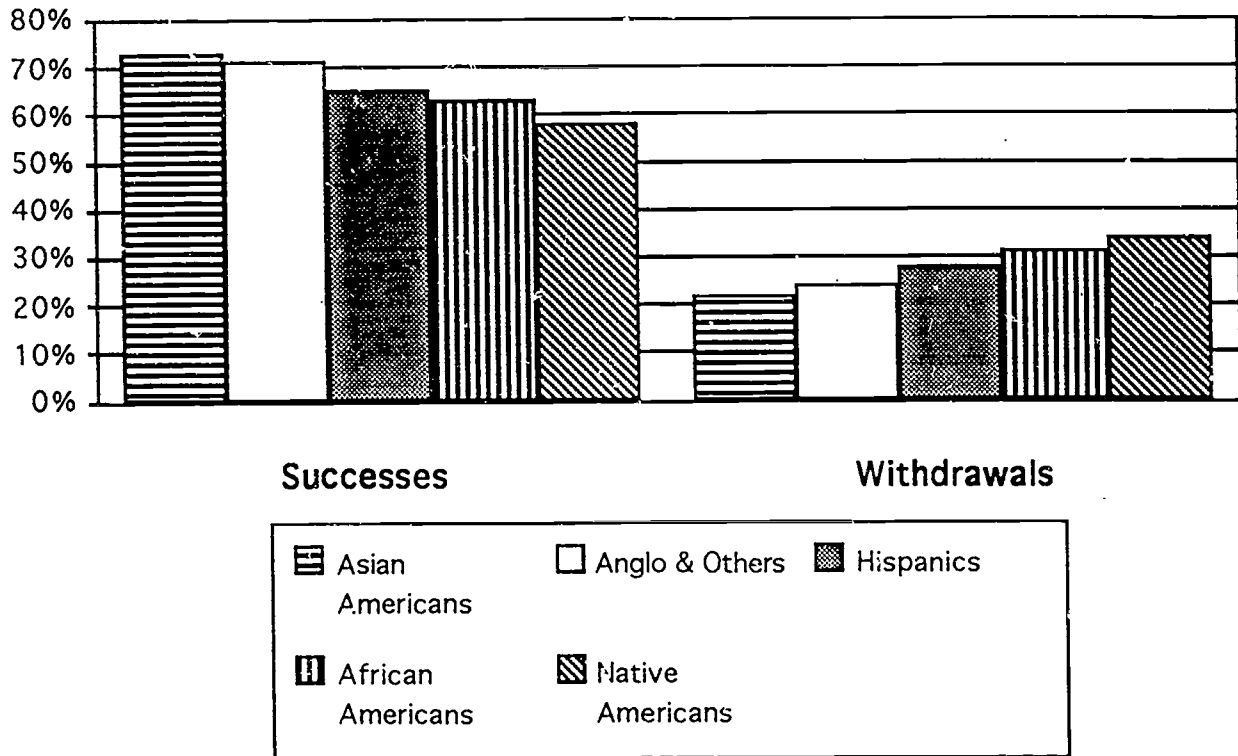
**Graph 1. Percent of Fall 1993 Total Course Grade
Successes and Withdrawals by Campus**



District successes and withdrawals by ethnicity

Graph 2 and Appendix B1 display the percent of Fall 1993 total course grade successes and withdrawals by ethnicity. Asian American students earned the highest percentage of passing grades (73%) and obtained the lowest percentage of withdrawals (22%). Conversely, the lowest success rate (58%) and highest withdrawal rate (34%) were obtained by Native Americans.

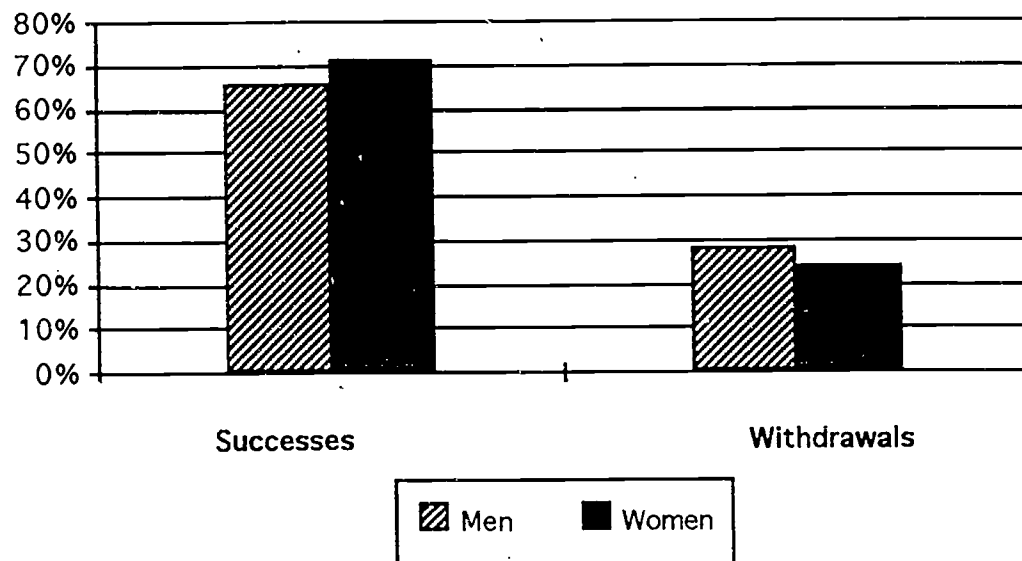
Graph 2. Percent of Fall 1993 Total Course Grade
Successes and Withdrawals by Ethnicity



District successes and withdrawals by gender

Graph 3 and Appendix Table B2 display the percent of Fall 1993 total course grade successes and withdrawals by gender. Women obtained a higher percentage of successes (71%) and lower percentage of withdrawals (24%) than men. Men achieved a 66% success rate and withdrew from 28% of their courses.

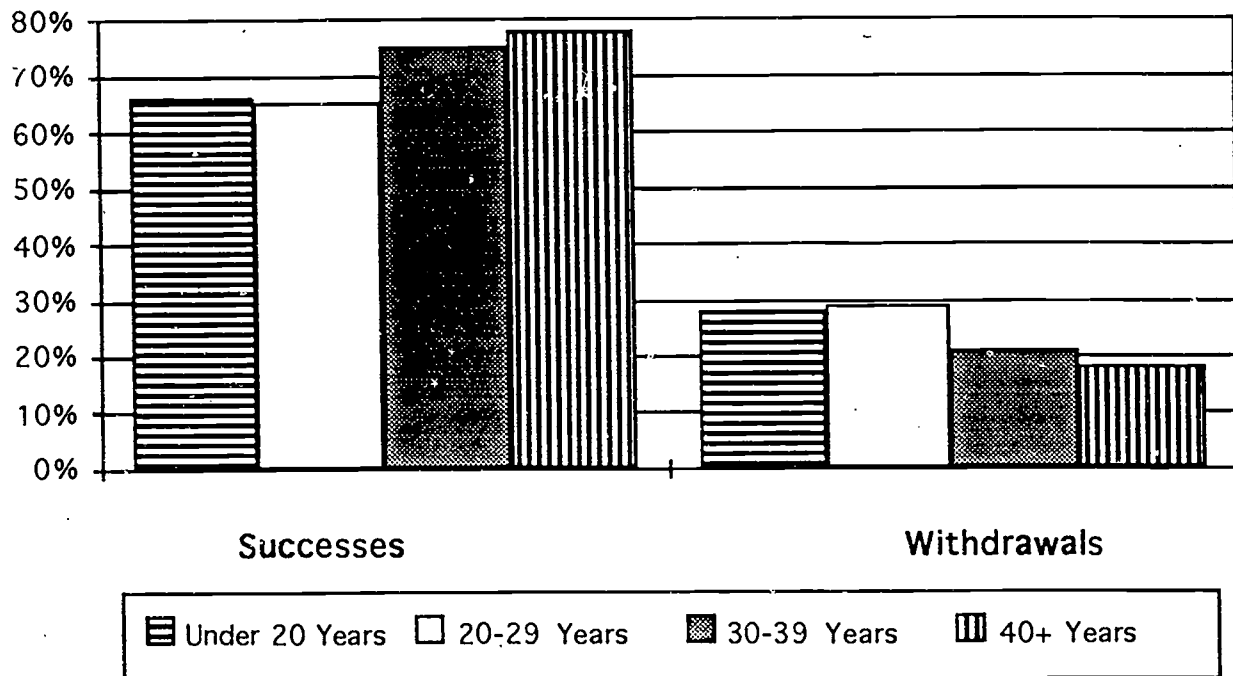
**Graph 3. Percent of Fall 1993 Total
Course Grade Successes and Withdrawals
by Gender**



District successes and withdrawals by age groups

Graph 4 and Appendix Table B3 depict the percent of Fall 1993 total course grade successes and withdrawals by age. In general, as student age increased, the percentage of successes increased and the percentage of withdrawals decreased. Students under 20 years of age, however, earned a slightly higher success rate (66%) and lower withdrawal rate (28%) than did students between the ages of 20 and 29. The latter age group showed a 65% success rate and 29% withdrawal rate. Students between the ages of 30 and 39 succeeded in 75% of their courses, while withdrawing from 21%. The highest success rate (78%) and lowest withdrawal rate (18%) were obtained by students over the age of 40.

Graph 4. Percent of Fall 1993 Total Course Grade Successes and Withdrawals by Age



Veteran Status, Pell Grant Status, Day/Extended-Day Classes, Occupational/Non-Occupational Classes

Appendix B contains the tables referred to in this section. Table B4 shows that in 1993, veterans had a higher success rate than non-veterans (74% vs. 69%). Pell grant recipients (Table B5) had a higher success rate than students who did not receive Pell grants (71% vs. 68%). Table B6 shows that the percentage of successes for students enrolled in extended day classes (71%) was higher than those in day classes (68%). Lastly, Table B7 shows the success rate for students enrolled in occupational classes (75%) was higher than the success rate for those enrolled in non-occupational classes.

Summary/Conclusions

The overall success and withdrawal rates have remained relatively constant over the past five years. Students at the Community Campus earned the highest percentage of successes while Downtown Campus students obtained the fewest successes.

Appendix A

Table A1. Number and Percent of Grades Awarded District Students in Fall Semesters

Grade ^a	1989		1990		1991		1992		1993	
	N	%	N	%	N	%	N	%	N	%
A Superior	22,261	31%	24,365	31%	25,993	32%	26,808	32%	25,489	33%
B Above Average	13,742	19%	15,147	20%	15,628	19%	16,338	20%	15,274	20%
C Average	8,189	12%	8,533	11%	8,765	11%	8,911	11%	8,573	11%
P Pass	2,688	4%	3,294	4%	3,264	4%	3,076	4%	1,815	2%
D Below Average	1,953	3%	2,014	3%	2,003	3%	2,138	3%	1,974	3%
Total Successes ^b	48,833	69%	53,353	69%	55,653	69%	57,271	70%	53,125	69%
Withdrawals										
W (Official)	8,341	12%	9,344	12%	9,844	12%	9,806	12%	9,283	12%
Y (General)	9,190	13%	10,152	13%	10,382	13%	10,631	13%	10,354	13%
Total Withdrawals ^c	17,531	25%	19,496	25%	20,226	25%	20,437	25%	19,637	25%
F Failure	2,084	3%	2,171	3%	2,008	3%	1,960	2%	2,104	3%
I Incomplete	2,265	3%	2,290	3%	2,213	3%	2,560	3%	2,091	3%
AU Audit	152	<1%	106	<1%	121	<1%	154	<1%	177	<1%
Total Grades	70,865	100%	77,416	100%	80,221	100%	82,382	100%	77,134	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table A2. Number and Percent of Grades Awarded Community Campus
Students in Fall Semesters**

Grade ^a	1989		1990		1991		1992		1993	
	N	%	N	%	N	%	N	%	N	%
A Superior	4,333	36%	4,608	34%	5,016	36%	5,499	38%	4,033	39%
B Above Average	2,340	19%	2,692	20%	2,877	21%	3,008	21%	2,330	23%
C Average	1,267	11%	1,355	10%	1,397	10%	1,433	10%	1,056	10%
P Pass	896	7%	1,160	9%	1,081	8%	691	5%	145	1%
D Below Average	217	2%	281	2%	260	2%	256	2%	214	2%
Total Successes ^b	9,053	75%	10,096	75%	10,631	77%	10,887	76%	7,778	75%
Withdrawals										
W (Official)	936	8%	1,042	8%	1,031	7%	1,144	8%	820	8%
Y (General)	1,458	12%	1,627	12%	1,649	12%	1,720	12%	1,363	13%
Total Withdrawals ^c	2,394	20%	2,669	20%	2,680	19%	2,864	20%	2,183	21%
F Failure	196	2%	231	2%	123	1%	170	1%	97	1%
I Incomplete	354	3%	402	3%	343	3%	439	3%	260	3%
AU Audit	35	<1%	26	<1%	18	<1%	22	<1%	25	<1%
Total Grades	12,032	100%	13,424	100%	13,795	100%	14,382	100%	10,343	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table A3. Number and Percent of Grades Awarded Desert Vista
Campus ^a Students in Fall Semesters**

Grades ^b	1989		1990		1991		1992		1993	
	N	%	N	%	N	%	N	%	N	%
A Superior	412	30%	746	41%	785	40%	1,043	37%	1,214	32%
B Above Average	262	19%	395	22%	436	22%	571	20%	772	21%
C Average	153	11%	178	10%	155	8%	276	10%	463	12%
P Pass	60	5%	25	1%	29	1%	78	3%	10	<1%
D Below Average	26	2%	49	3%	36	2%	81	3%	137	4%
Total Successes ^c	913	67%	1,393	77%	1,441	73%	2,049	73%	2,596	69%
Withdrawals										
W (Official)	46	3%	129	7%	225	12%	271	10%	441	12%
Y (General)	294	22%	236	13%	228	12%	362	13%	481	13%
Total Withdrawals ^d	340	25%	365	20%	453	24%	633	23%	922	25%
F Failure	18	1%	26	1%	41	2%	72	2%	151	4%
I Incomplete	87	7%	30	2%	26	1%	53	2%	53	1%
AU Audit	5	<1%	2	<1%	1	<1%	11	<1%	16	1%
Total Grades	1,363	100%	1,816	100%	1,962	100%	2,818	100%	3,738	100%

^a Known as Education Center-South prior to Fall 1993.

^b Includes grades earned through course work and tests.

^c Total Successes = A's + B's + C's + P's + D's.

^d Total Withdrawals = W's + Y's.

**Table A4. Number and Percent of Grades Awarded Downtown Campus
Students in Fall Semesters**

Grade ^a	1989		1990		1991		1992		1993	
	N	%	N	%	N	%	N	%	N	%
A Superior	5,071	29%	5,570	29%	6,213	30%	6,371	31%	6,377	32%
B Above Average	3,456	20%	3,759	20%	3,927	19%	3,895	19%	3,683	18%
C Average	1,905	11%	2,153	11%	2,249	11%	2,147	10%	2,182	11%
P Pass	440	2%	438	2%	506	2%	379	2%	256	1%
D Below Average	454	3%	524	3%	536	3%	626	3%	496	2%
Total Successes ^b	11,326	65%	12,444	65%	13,431	65%	13,418	65%	12,994	64%
Withdrawals										
W (Official)	2,487	14%	2,769	14%	2,928	14%	2,943	14%	2,763	14%
Y (General)	2,447	14%	2,893	15%	3,164	15%	3,098	15%	3,127	15%
Total Withdrawals ^c	4,934	28%	5,662	29%	6,092	29%	6,041	29%	5,890	29%
F Failure	584	4%	587	3%	465	2%	429	2%	572	3%
I Incomplete	581	3%	573	3%	721	4%	845	4%	714	4%
AU Audit	28	<1%	27	<1%	36	<1%	37	<1%	39	<1%
Total Grades	17,453	100%	19,293	100%	20,745	100%	20,770	100%	20,209	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table A5. Number and Percent of Grades Awarded East Campus
Students in Fall Semesters**

Grade ^a	1989		1990		1991		1992		1993	
	N	%	N	%	N	%	N	%	N	%
A Superior	3,178	31%	3,577	31%	3,801	33%	3,450	31%	3,633	33%
B Above Average	1,947	19%	2,323	21%	2,242	20%	2,428	22%	2,139	20%
C Average	1,264	13%	1,265	11%	1,283	11%	1,323	12%	1,244	12%
P Pass	341	3%	362	3%	428	4%	334	3%	254	2%
D Below Average	339	3%	347	3%	298	3%	328	3%	283	3%
Total Successes ^b	7,069	69%	7,874	69%	8,052	71%	7,863	71%	7,553	70%
Withdrawals										
W (Official)	1,214	12%	1,422	13%	1,338	12%	1,202	11%	1,358	13%
Y (General)	1,294	13%	1,469	13%	1,403	12%	1,481	14%	1,427	13%
Total Withdrawals ^c	2,508	25%	2,891	26%	2,741	24%	2,683	25%	2,785	26%
F Failure	341	3%	391	3%	293	2%	246	2%	270	2%
I Incomplete	236	2%	243	2%	296	3%	242	2%	237	2%
AU Audit	38	1%	15	<1%	15	<1%	13	<1%	16	<1%
Total Grades	10,192	100%	11,414	100%	11,397	100%	11,047	100%	10,861	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table A6. Number and Percent of Grades Awarded West Campus
Students in Fall Semesters**

Grade ^a	1989		1990		1991		1992		1993	
	N	%	N	%	N	%	N	%	N	%
A Superior	9,267	31%	9,864	31%	10,178	31%	10,445	31%	10,232	32%
B Above Average	5,737	20%	5,978	19%	6,146	19%	6,436	19%	6,350	20%
C Average	3,600	12%	3,582	11%	3,681	11%	3,732	11%	3,628	11%
P Pass	951	3%	1,309	4%	1,220	4%	1,594	5%	1,150	3%
D Below Average	917	3%	813	3%	873	3%	847	3%	844	3%
Total Successes ^b	20,472	69%	21,546	68%	22,098	68%	23,054	69%	22,204	69%
Withdrawals										
W (Official)	3,658	12%	3,982	13%	4,322	14%	4,246	13%	3,901	12%
Y (General)	3,697	13%	3,927	13%	3,938	12%	3,970	12%	3,956	13%
Total Withdrawals ^c	7,355	25%	7,909	26%	8,260	26%	8,216	25%	7,857	25%
F Failure	945	3%	936	3%	1,086	3%	1,043	3%	1,014	3%
I Incomplete	1,007	3%	1,042	3%	827	3%	981	3%	827	3%
AU Audit	46	<1%	36	<1%	51	<1%	71	<1%	81	<1%
Total Grades	29,825	100%	31,469	100%	32,322	100%	33,365	100%	31,983	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

Appendix B

**Table B1. Number and Percent of Grades Awarded District Students
by Ethnicity in Fall 1993**

Grade a	Asian American		Anglo & Others		Hispanics		African American		Native American	
	N	%	N	%	N	%	N	%	N	%
A Superior	970	35%	17,923	37%	5,398	26%	746	26%	452	22%
B Above Average	602	21%	9,416	20%	4,306	20%	580	20%	370	18%
C Average	343	12%	4,823	10%	2,815	13%	333	12%	259	12%
P Pass	52	2%	1,101	2%	537	3%	72	2%	53	3%
D Below Average	84	3%	1,000	2%	726	3%	92	3%	72	3%
Total Successes b	2,051	73%	34,263	71%	13,782	65%	1,823	63%	1,206	58%
Withdrawals										
W (Official)	330	12%	5,794	12%	2,558	12%	355	12%	246	12%
Y (General)	295	10%	5,730	12%	3,344	16%	537	19%	448	22%
Total Withdrawals c	625	22%	11,524	24%	5,902	28%	892	31%	694	34%
F Failure	68	2%	1,059	2%	798	4%	87	3%	92	4%
I Incomplete	72	3%	1,209	3%	628	3%	89	3%	93	4%
AU Audit	9	<1%	146	<1%	15	<1%	5	<1%	2	<1%
Total Grades	2,825	100%	48,201	100%	21,125	100%	2,896	100%	2,087	100%

a Includes grades earned through course work and tests.

b Total Successes = A's + B's + C's + P's + D's.

c Total Withdrawals = W's + Y's.

**Table B2. Number and Percent of Grades Awarded
District Students by Gender in Fall 1993**

Grade ^a	Women		Men	
	N	%	N	%
A Superior	14,760	36%	10,729	30%
B Above Average	8,317	20%	6,957	19%
C Average	4,264	10%	4,309	12%
P Pass	1,019	3%	796	2%
D Below Average	976	2%	998	3%
Total Successes ^b	29,336	71%	23,789	66%
Withdrawals				
W (Official)	4,818	12%	4,465	13%
Y (General)	5,007	12%	5,347	15%
Total Withdrawals ^c	9,825	24%	9,812	28%
F Failure	899	2%	1,205	3%
I Incomplete	1,200	3%	891	3%
AU Audit	104	<1%	73	<1%
Total Grades	41,364	100%	35,770	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table B3. Number and Percent of Grades Awarded
District Students by Age in Fall 1993**

Grade ^a	Under 20 Years		20-29 Years		30-39 Years		40+ Years	
	N	%	N	%	N	%	N	%
A Superior	3,402	23%	10,883	28%	6,082	44%	5,068	51%
B Above Average	3,149	22%	7,832	20%	2,565	19%	1,690	17%
C Average	2,097	14%	4,774	12%	1,087	8%	591	6%
P Pass	368	3%	789	2%	340	3%	310	3%
D Below Average	638	4%	1,056	3%	185	1%	93	1%
Total Successes ^b	9,654	66%	25,334	65%	10,259	75%	7,752	78%
Withdrawals								
W (Official)	1,725	12%	5,190	14%	1,466	11%	884	9%
Y (General)	2,287	16%	5,773	15%	1,361	10%	897	9%
Total Withdrawals ^c	4,012	28%	10,963	29%	2,827	21%	1,781	18%
F Failure	560	4%	1,261	3%	181	1%	100	1%
I Incomplete	311	2%	1,119	3%	375	3%	283	2%
AU Audit	3	<1%	39	<1%	49	<1%	86	1%
Total Grades	14,540	100%	38,716	100%	13,691	100%	10,002	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table B4. Number and Percent of Grades Awarded
District Students by Veteran Status in Fall 1993**

Grade ^a	Veterans		Non-veterans	
	N	%	N	%
A Superior	1,407	35%	24,082	33%
B Above Average	895	22%	14,379	20%
C Average	460	12%	8,113	11%
P Pass	68	2%	1,747	2%
D Below Average	102	3%	1,872	3%
Total Successes ^b	2,932	74%	50,193	69%
Withdrawals				
W (Official)	425	10%	8,858	12%
Y (General)	403	10%	9,951	13%
Total Withdrawals ^c	828	20%	18,809	25%
F Failure	115	3%	1,989	3%
I Incomplete	113	3%	1,978	3%
AU Audit	1	<1%	176	<1%
Total Grades	3,989	100%	73,145	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table B5. Number and Percent of Grades Awarded
District Students by Pell Grant Status in Fall 1993**

Grade ^a	Pell Grant Students		Non-Pell Students	
	N	%	N	%
A Superior	6,112	32%	19,377	33%
B Above Average	3,896	21%	11,378	19%
C Average	2,220	12%	6,353	11%
P Pass	585	3%	1,230	2%
D Below Average	498	3%	1,476	3%
Total Successes ^b	13,311	71%	39,814	68%
Withdrawals				
W (Official)	2,199	12%	7,084	12%
Y (General)	2,233	12%	8,121	14%
Total Withdrawals ^c	4,432	24%	15,205	26%
F Failure	474	2%	1,630	3%
I Incomplete	548	3%	1,543	3%
AU Audit	11	<1%	166	<1%
Total Grades	18,776	100%	58,358	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table B6. Number and Percent of Grades Awarded
District Students by Day/Extended-Day Classes
in Fall 1993**

Grade ^a	Extended-Day Class		Day Class	
	N	%	N	%
A Superior	8,679	38%	16,810	31%
B Above Average	4,498	20%	10,776	20%
C Average	2,253	10%	6,320	11%
P Pass	295	1%	1,520	3%
D Below Average	428	2%	1,546	3%
Total Successes ^b	16,153	71%	36,972	68%
Withdrawals				
W (Official)	2,334	10%	6,949	13%
Y (General)	3,054	14%	7,300	13%
Total Withdrawals ^c	5,388	24%	14,249	26%
F Failure	426	2%	1,678	3%
I Incomplete	542	2%	1,549	3%
AU Audit	97	1%	80	<1%
Total Grades	22,606	100%	54,528	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.

**Table B7. Number and Percent of Grades Awarded
District Students by Occupational/Non-Occupational
Classes in Fall 1993**

Grade ^a	Occupational Classes		Non-Occup. Classes	
	N	%	N	%
A Superior	8,518	42%	16,971	30%
B Above Average	4,076	20%	11,198	20%
C Average	1,891	9%	6,682	12%
P Pass	382	2%	1,433	2%
D Below Average	361	2%	1,613	3%
Total Successes ^b	15,228	75%	37,897	67%
Withdrawals				
W (Official)	1,749	9%	7,534	13%
Y (General)	2,182	11%	8,172	14%
Total Withdrawals ^c	3,931	20%	15,706	27%
F Failure	455	2%	1,649	3%
I Incomplete	621	3%	1,470	3%
AU Audit	60	<1%	117	<1%
Total Grades	20,295	100%	56,839	100%

^a Includes grades earned through course work and tests.

^b Total Successes = A's + B's + C's + P's + D's.

^c Total Withdrawals = W's + Y's.