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ABSTRACT

Information on minority enrollment in 1980 in public and private colleges and universities in Colorado is presented. Additional data elements for the 1980 academic year are minority enrollment by subject field and student level, and first-time minority enrollment (i.e., first-time freshmen, first-time graduates). The three sections of the report deal with all Colorado higher education institutions, public and private institutions separately. Among the findings are the following: overall, the number of ethnic minority enrollments in Colorado institutions increased from the fall of 1978 to the fall of 1980: within the private sector, the number of ethnic minority enrollment's increased, while in the public sector the number decreased: 13 of the 28 public institutions reported an increase in ethnic minority enrollments: 10 of the 13 private institutions reported increases in ethnic minority enrollments: from 1978 to 1980, Colorado higher education enrollments increased overall in both sectors: from 1978 to 1980 (public and private sectors combined) increases in enrollment occurred for the Asian/Pacific Islander and the Hispanic ethnic minority groups: decreases in enrollment occurred for the Black and American Indian/Alaskan Native groups: in the public sector, only the Asian/Pacific Islander group increased in number of enrollments: in the private sector, all ethnic minority groups, with the exception of the American Indian/Alaskan Native group, increased in number of enrollments. (SW)

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COLORADO HIGHER EDUCATION

A REPORT ON ETHNIC
MINORITY ENROLLMENTS
1980

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ORGANIZATION OF THE REPORT

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HIGHLIGHTS

- Overall, the number of ethnic minority errollments in Colorado institutions of higher education increased from the Fall of 1978 to the Fall of 1980. Within the private sector, the number of ethnic minority enrollments increased, while in the public sector the number decreased.
- Thirteen of the twenty-eight public institutions reported an increase in ethnic minority enrollments. Ten of the thirteen private institutions reported increases in ethnic minority enrollments.
- From 1978 to 1980, Colorado higher education enrollments increased overall in both the public and private sectors. During this period of time the percentage of ethnic minorities in the enrollment decreased in the public sector and increased in the private sector.
- From 1978 to 1980 (public and private sectors combined) increases in enrollment occurred for the Asian/Pacific Islander and the Hispanic ethnic minority groups. Decreases in enrollment occurred for the Black and American Indian/Alaskan Native groups. In the public sector, only the Asian/Pacific Islander group increased in number of enrollments. In the private sector, all ethnic minority groups, with the exception of the American Indian/Alaskan Native group, increased in number of enrollments.

- Ethnic minorities represented this Fall, 10.6% of Colorado higher education enrollments; 21.7% of Colorado public K-12 enrollments; and 18.85% of the Colorado population (1978 estimate).
- There was a smaller percentage of ethnic minorities enrolled in each of the selected subject fields of Business and Management, Engineering and Physical Sciences, the Life Sciences (Biology and Agriculture), and the legal, medical and dental professions than in the total enrollment, (public and private sectors combined).
- A comparison of reporting years 1976, 1978 and 1980 revealed that each year, women have become a larger percent of the total minority and non-minority enrollments. However, women have comprised a slightly larger percentage of the total non-minority enrollment than they have the minority enrollment.
- In the public sector, approximately 96% of all ethnic minority students were enrolled at the undergraduate level. 91% of all non-minority students were enrolled at the undergraduate level.
- In the public sector, ethnic minorities were the same percentage of first-time freshmen enrollments as they were total undergraduate enrollments. However, ethnic minorities were a slightly larger percent of first-time graduate enrollments than they were total graduate enrollments.



A Report on Minority Enrollments Within Colorado Higher Education, 1980 Background

Two years ago staff of the CCHE prepared a report on minority enrollments in Colorado higher education. That report, covering the two reporting dates of Fall 1976 and Fall 1978, was the first such report from the CCHE. It was prepared in response to an issue statement of the CCHE Master Plan which addressed the need for reliable racial and ethnic data. As a result of that report, presented in April of 1979, a task force (Task Force on Minority Enrollments in Colorado Public Higher Education Institutions) was established by the CCHE to analyze ways of improving enrollment opportunities for ethnic minorities, and based on their findings make recommendations.

The CCHE approved those reccommendations at its September 1980 meeting. The attached report incorporates the task force recommendations pertaining to the collection and analysis of ethnic minority enrollment data. It is another step in continuing to monitor the number of ethnic minority students enrolled in the state.

The 1980 data for this report were provided by Colorado colleges and universities of both the public and private sectors via the Higher Education General Information Survey (HEGIS) form entitled, "Fall Enrollment and Compliance Report of Institutions of Higher Education, 1980." This, along with other reports, is submitted to the National Center for Education Statistics on a regular basis. The CCHE receives copies of each report.

In this report, for the first time, Pueblo Vocational Community College is considered as a separate institution rather than as a part of the University of Southern Colorado. Furthermore, changes in enrollment levels



(1980 over 1978) for Colorado Mountain - East and Colorado Northwestern Community College are partially due to the transfer of Steamboat Springs enrollments from Colorado Northwestern Community College to Colorado Mountain College - East.

Further differences in this year's report include the addition of the analysis of minority enrollments by subject fields and student level, and the analysis of "first-time" minority enrollments (i.e., first-time freshmen, first-time graduates). Sincere thanks are given to the Colorado Civil Rights Commission and Dr. George Bardwell of the University of Denver for their cooperation and many hours of effort to assist in making the analysis of this additional data possible.

With only three reporting year's data available, it is difficult to determine whether patterns indicated by the data presented herein are mere fluctuations or actual trends. CCHE will, therefore, continue to monitor minority enrollments through the use of the HEGIS reports and extend patterns of the data over a longer length of time. In addition, as national data are available, comparisons with Colorado will be made to determine compatibility or lack of compatibility with national trends.

For the sake of convenience, this report has been divided into three sections. The first one deals with all Colorado higher education institutions in both the public and private sectors. Sections II and III consider those sectors separately - first the public and then the private sector.

Section I Colorado Higher Education (Public & Private Sectors Combined)

From the Fall of 1978 to the Fall of 1980 Colorado institutions of higher education reported an overall increase of 281 minority enrollments, (a 1.6% increase). There were 17,370 minority enrollments in 1978 and 17,651 in 1980. This increase in minority enrollments accompanied an increase of 11,079 in total student enrollments for the same period of time, (a 7.1% increase). As will be seen in Sections II and III, the public sector actually decreased in number of minority enrollments whereas the private sector reported increased numbers.

From 1978 to 1980 statewide non-minority enrollments increased from 134,388 to 144,304 (an increase of 9,916 or 7.4%). Non-resident aliens* increased from 3,553 in 1978 to 4,435 in 1980 for an increase of 882 or 24.8%.

Although minority enrollments increased overall, not all minority groups experienced an increase. The Asian/Pacific Islander and Hispanic groups increased in number. However, the Black and American Indian/Alaskan Native groups decreased in number. (See Table I for details).

Table I displays the percent of the total higher education enrollment which each of the ethnic minority groups comprised for the years 1978 and 1980. It can be seen that percentages have decreased for all groups except Asian/Pacfic Islander.

^{*}One of the recommendations presented by the task force, in September of 1980, stated that CCHE not include Non-Resident Aliens as minority students in computing statewide enrollment percentages of minority and non-minority students. In response to this recommendation, changes were made to the data for reporting years 1976 and 1978. Those changes are reflected in this report, and Non-Resident Aliens have been included with non-minorities.



Table I

Colorado Higher Education Public and Private Sectors Combined 1978 and 1980

Distribution of Ethnic Minority Enrollment by Ethnic Group

	Ethnic Minority Enr. Fall '78	Minority as % of Total Enr. '78	Ethnic Minority Enr. Fall '80	Minority as % of Total Enr.1980	% of Change in Ethnic Minority Enr. 1978-1980
Black, Non-Hispanic American Indian/Alaskan Native Asian/Pacific Islander Hispanic	4,905 1,319 2,039 9,107	3.2% 0.8% 1.3% 5.9%	4,872 1,186 2,320 9,272	2.9% 0.7% 1.4% 5.6%	7% -10.1% +13.8% + 1.8%
TOTAL	17,370	11.2%	17,651	10.6%	+ 1.6%

Table II

Colorado Higher Education Ethnic Minority Representation in Higher Education, K-12 Enrollments, and State Population

(Number of Percent of Total)

	Black Non- Hispanic	American Indian/ Alaskan Native	Asian/ Pacific Islander	Hispanic	White Non- Hispanic	Total
Colorado Higher Education Fall 1980	4,872 (3.0%)	1,186	2,320 (1.4%)	9,273 (5.7%)	144,304 (89.1%)	161,955 (99.9%)
Colorado Public Higher Education Fall 1980	4,077 (2.9%)	1,059 (.7%)	1,956 (1.4%)	8,538 (6.0%)	126,265 (89.0%)	141,895 (100.0%)
Colorado Public K-12 Education Fall 1980	24,320 (4.5%)	3,748 (.7%)	8,799 (1.6%)	81,567 (14.9%)	427,599 (78.3%)	546,033 (100.0%)
Colorado State Population (Est. 6/78, Dept. of Local Affairs	3.8%	. 5%	. 9%	13.7%	81.1%	100.0%

Total Minority às Percentage of Total

Colorado Higher

10.6%

K-12 Education

21.7%

Colorado Population

18.85%

Notes: Non-resident alien enrollments are excluded from this data.

Some percentages do not total of 100.0 due to rounding.



-3-

Distribution of enrollments by ethnic group in Colorado higher education are compared to the distribution of enrollments in Colorado elementary/ secondary education (K-12) and to the distribution of the Colorado population in Table II. At this time, population figures by ethnic group are not yet available from the 1980 census. Therefore, estimates from the Colorado Department of Local Affairs as of June 1, 1978 were used. For the purposes of this comparison, non-resident aliens were excluded from higher education figures. It can be seen from Table II that the American Indian/ Alaskan Native and Asian/Pacific Island minority groups represented similar percentages of the total in higher education enrollments, K-12 enrollments, and state population. More pronounced differences appear, however, in the Hispanic and Black minority categories where both groups represented a smaller percent of the higher education total than the K-12 education total or the state population total.

Overall minority enrollments in Colorado higher education (public and private sectors combined) represented 10.6% of the total enrollments (excluding non-resident aliens), whereas minorities represented 21.7% of the public K-12 enrollments and 18.85% of the Colorado population.

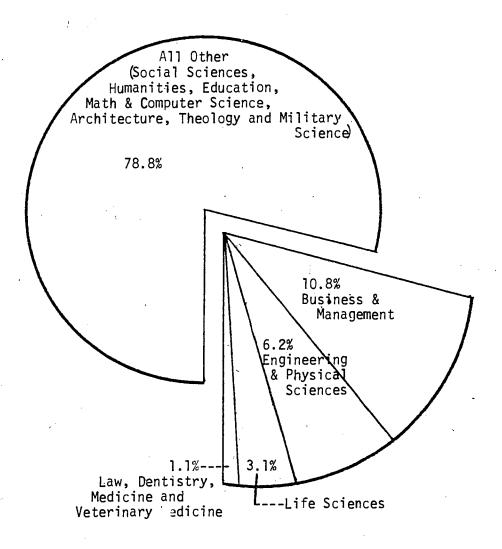
Figure 1 shows the distribution of minority enrollment by subject field groups, as reported in Appendix A, were selected for analysis of ethnic minority representation by the National Center for Education Statistics (NCES) and incorporated into the design of the reporting form from which the data were taken for this report. Most minorities, as indicated (78.8%) were enrolled in the category entitled "All Other." The areas not included in this category were intended by NCES to be areas targeted for special observation with regard to ethnic minority enrollments. For convenience of reporting, the fields of Enginee ing and Physical Sciences have been combined as well as the fields of Biology and Agriculture. (For a more detailed breakdown, see Appendix A.) Since this is the first year that minority enrollments by subject field have been analyzed, possible enrollment changes between subject fields can not be observed at this time.

Figure 2 shows what proportion minorities represented in each of five groupings of subject fields. It can be seen that in each of the fields except the "All Other" ethnic minorities represented less than one-tenth of the total enrollments. Looking at these same subject fields by sex of the student (See Figure 3), it can be seen that nearly equivalent proportions of male and female ethnic minority enrollments occurred in the field of Business and Management. This was the case for the "All Other" category as well. However, in the other subject field categories, men comprised larger proportions of the total enrollment. A similar pattern occurred for non-minorities (except for the "All Other" category in which women comprised the majority of enrollments).

Figure 1.

Colorado Higher Education

Distribution of Minority Enrollments By Subject Field Groupings Fall 1980



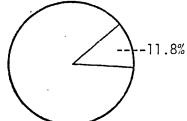
N = 17,651

Figure <u>2</u>.
Colorado Higher Education

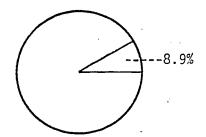
Public & Private Sectors Combined

Minority Enrollment as a Percent of Total Enrollment - By Subject Field Groups Fall, 1980

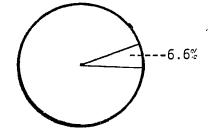
All Other (Social Science, Humanities, Education, Math & Computer Science, Architecture, Theology & Military Science)



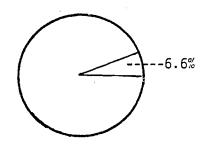
Business & Management



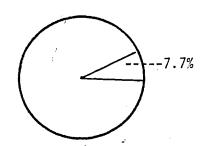
Engineering & Physical Science



Life Sciences (Biology & Agriculture)



Law, Dentistry, Medicine & Veterinary Medicine



Note: Includes undergraduate and graduate enrollment.

Colorado Higher Education Public & Private Sectors Combined Fall 1980

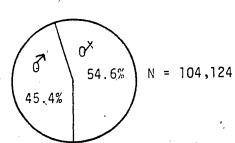
Distribution of Minority & Non-Minority Male & Female Enrollments by Subject Field (Undergraduate & Graduate)

Minority Enrollment Non-Minority Enrollment 07 $0_{\rm X}$ 56.7% 48.3% 51.7% Business & Management N = 19,128N = 1,89843.3% Engineering & Physical N = 15,592N = 1,102Science 84.1% 84.6% ď 07 Life Sciences (Biology & $g_{\mathbf{X}}$ 0^{X} Agriculture) N = 7.63557.7% N = 54142.9% 57.1% 42.3% 3 3 . 0x. Law, Dentististry, Medicine, 0^X N = 2,292N = 19163.9% and Veterinary Medicine 63.4% 36.1% 36.6%

All Other
(Social Sciences, Humanities, Education, Mathematics & Computer Science, Architecture, Theology & Military Science



13,915 N = 13,915



A profile of enrollments by sex is given in Figures 4 and 5. Figure 4 displays the percent of enrollments that were male and female in the Fall of 1980. As can be seen, non-minorities (both with and without Non-Resident Aliens included) were closer to parity between male and female enrollments than were minorities. 54.% of minority enrollments were male and 46% female. 51.8% of non-minority enrollments - including Non-Resident Aliens - were male and 48.2% were female. (Excluding Non-Resident Aliens, 51.1% of the non-minority enrollments were male and 48.9% were female.) As will be indicated in Sections II and III, minorities in the public sector were closer to parity on this point than were those in the private sector.

For both minorities and non-minorities, however, there appears to be a trend toward parity in male and female enrollments. (See Figure 5.) In 1976, minority women comprised 41.4% of all minority enrollments. In 1978, this figure had increased to 44.4% and in 1980 it rose to 46.0%. A similar pattern occurred in the data on non-minority enrollments.

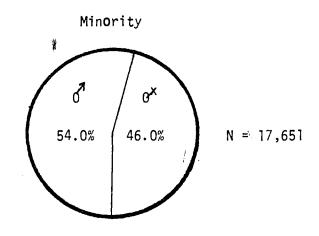
Analyses similar to the foregoing, as well as additional analyses of the data for the public and private sectors of Colorado Higher Education, are reported in Sections II and III.

A final consideration of minority enrollments - both sectors combined - deals with a major source of student enrollments, the first-time student. The distribution of first-time freshmen and first-time graduates by minority and non-minority groupings is depicted in Figure 6. The data indicate that for the Fall of 1980 minorities comprised 11.6% of all first-time freshmen and 5.5% of all first-time graduates. Since this data has not been analyzed for

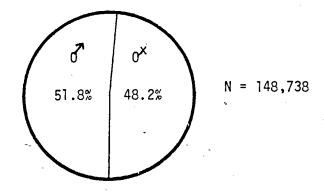


Figure 4. Colorado Higher Education Public & Private Sectors Combined Fall 1980

Distribution of Minority & Non-Minority Enrollments by Sex.



Non-Minority (Includes NRA)



Non-Minority (White - Excludes NRA)*

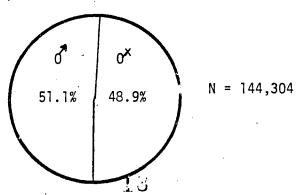


Figure 5.

Colorado Higher Education Public & Private Sectors Combined

Distribution of Minority & Non-Minority Enrollments by Sex For 1976, 1978, & 1980 17,648 16,362 17,370 46.0% 44.4% 41.4% Minority Enrollments 58.6% 54.0% 55.6% 1978 1980 1976 148,739 137,941 135,505 Non-Minority Enrollments 48.2% 44.0% 47.2% 51.8% 56.0% 52.8% 1980 1978 1976 166,390 155,311 151,839 47.9% Total Enrollments 46.9% 43.7% 52.1% 53.1% 56.3% 1978 1980 1976

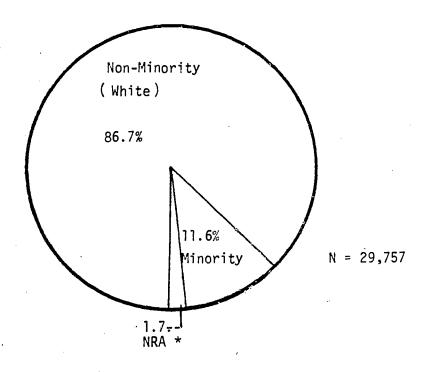
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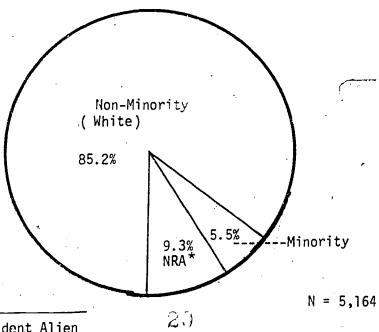
Figure <u>6</u>.

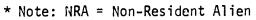
Colorado Higher Education
Distribution of First-Time Students by Minority & Non-Minority Groups
(Public & Private Sectors Combined)
Fall 1980

First-Time Freshmen



First-Time Graduates





years previous to 1980, no comparisons can be made with former reporting years. CCHE, however, will continue to monitor first-time minority enrollments in order to report future trends. (Sections II and III report similar percentages for the public and private sectors separately.).

Section II Colorado Higher Education The Public Sector

One hundred and thirty-six fewer minority enrollments were reported in 1980 than in 1978 for the public sector of Colorado Higher Education, (a.9% decrease). There were 15,766 minority enrollments in 1978 and 15,530 minority enrollments in 1980. The decrease in minority enrollments in the public sector occurred in spite of a 6.9% or 9,374 increase in overall public sector enrollments. As a result, minority groups represented a smaller portion of total public sector enrollments in 1980 than in 1978, (11.6% in 1978, 10.7% in 1980).

Looking at minority representation among four-year and two-year institutional groupings, the data revealed that minorities continue to represent a larger percent of the enrollment at the two-year institutions than at the four-year institutions. (See Table III.) Over this same period of time Non-Resident Alien enrollments increased by 816 (a 27.7% increase) and White Non-Hispanic enrollments increased by 8,694 (a 7.4% increase).

Although total ethnic minority enrollments in the public sector decreased from 1978 to 1980, one of the four minority groups was reported as having



Table III do Public Higher Education

Colorado Public Higher Education Distribution of Ethnic Minority Enrollment By Ethnic Minority Group

Total Public Sector	Ethnic Minority Enr. Fall '78	Minorities as % of Total Enr. Fall 78	Ethnic Minority Enr. Fall '80	Minorities as % of Total Enr. Fall '80	% of Change in Ethnic Minority Enr. 1978 to 1980
Black, Non-Hispanic American Indian/Alaskan Native Asian/Pacific Islander Hispanic	4,271 1,181 1,745 8,569 15,766	3.1% 0.9% 1.3% 6.3%	4,077 1,059 1,956 8,538	2.8% 0.7% 1.3% 5.9%	- 4.5% -10.3% +12.1 - 0.4% - 0.9%
Four-Year Institutions Sub-Total	9,747	10.2%	4,690	9.6%	- 0.6%
Two-Year Institutions Sub-Total	6,019	15.5%	5,940	13.3%	- 1.3%

an increase in enrollment. (See Table III.) The Asian/Pacific Islander group gained 211 enrollments - an increase of 12.1%. Figure 7 reports increases and decreases by ethnic minority groups as well as Non-Resident Alien enrollments over the reporting years 1976, 1978 and 1980.

Figure 8 shows the distribution of public sector minority enrollments by subject field groupings. (Selection of groupings, as reported in Appendix B, was done by NCES for their purposes of analysis of ethnic minority representation.) Most minorities, as indicated, (12,546 or 80.3%) enrolled in the category entitled "All Other". The remaining 3,081 (19.7%) minority enrollments were in the fields of Business and Management, Engineering, Physical Sciences, Life Sciences, Law, Dentistry, Medicine and Veterinary Medicine. (For a more detailed breakdown, see Appendix B.) Since this is the first year that minority enrollments by subject field have been analyzed by the CCHE, no indications of enrollment changes between subject fields can be observed at this time.

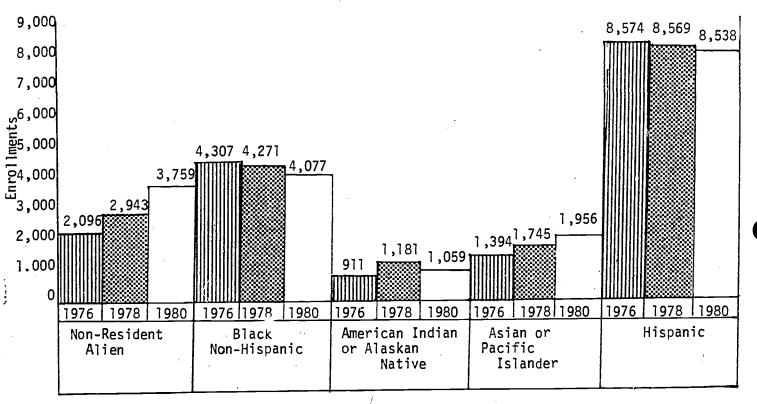
As before mentioned, minority enrollments comprised 10.7% of the total public sector enrollments for the Fall of 1980. Figure 9 shows the percent of total which minorities comprised for five groupings of subject fields. Although minority enrollments in the professions of Law, Dentistry, Medicine and Veterinary Medicine, combined, were the smallest of those groupings shown in Figure 8, they represented a larger percent of total enrollment than all but one other single grouping of subject fields - that being All Other. For each of the subject field groups, (except All Other) minority enrollints represented less than one-tenth of total enrollments.



Figure 7.

Colorado Higher Education

Minority With Non-Resident Alien Enrollment by Ethnic Group



Ethnic Categories & Non-Resident Alien

Figure 8.

Colorado Higher Education

Distribution of Minority Enrollments by

Subject Field Groupings
Fall 1980

(Undergraduate & Graduate Combined)

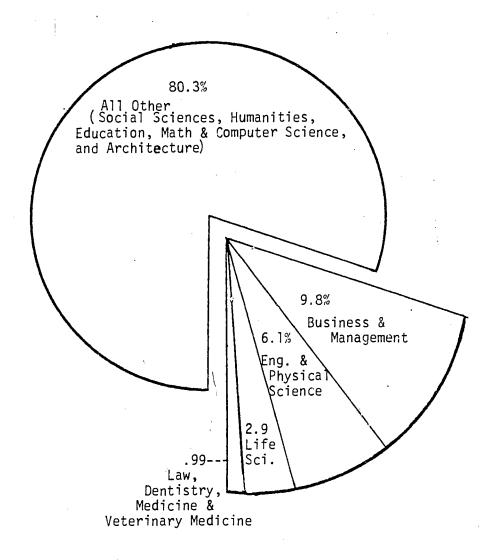


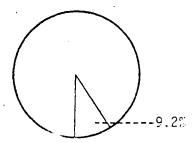
Figure 9.

Colorado Public Higher Education Minority Enrollment as a Percent of Total Enrollment by Subject Field Groups

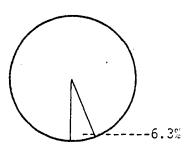
Fall 1980

(Undergraduate & Graduate Combined)

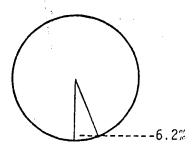
Business & Management



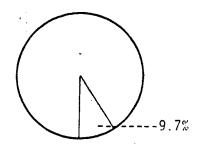
Engineering & Physical Science



Life Sciences (Biology & Agriculture)

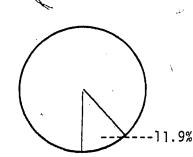


Law, Dentistry, Medicine, and Veterinary Medicine



23

Al ther (So al Sciences, Humanities, Education Mathematics & Computer Science, & Architecture)



-18-



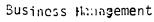
Looking at these same subject field groupings by sex of student (See Figure 10.) it can be seen that male and female minority enrollments were nearly equal for the subject field groupings of Business and Management and the All Other category. Data for the other three subject groupings revealed greater disparity, the largest percent difference being in the fields of Engineering and Physical Sciences. Non-minority males and females were closest to parity in the subject field grouping of Business and Management. In the All Other category women outnumbered men in enrollment. In each of the other subject groupings the men outnumbered the women, the largest disparity being reported in the fields of Engineering and Physical Science as was also the case for ethnic minorities.

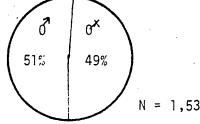
An overall profile of enrollments by male and female is given in Figures 11 and 12. Figure 11 displays the percent of enrollments that were male and female in the Fall of 1980. Among non-minorities parity had essentially occurred. If Non-Resident Alien enrollments are included, male non-minority enrollments exceeded female enrollments at 50.6% of the total. With Non-Resident Aliens excluded, female enrollments exceeded male enrollments. For ethnic minorities, parity had not occurred. Males still held the majority of enrollments at 53% of the total. For both non-minorities and minorities, however, there appears to be a trend toward a larger percentage of female enrollments. (See Figure 12.) The increase in female enrollments is particularly dramatic among minorities where a 12.5% increase occurred from 1976 to 1978, amd a 2.2% increase from 1978 to 1980 (this is a 14.9% increase from 1976 to 1980).



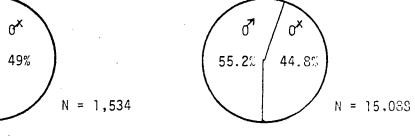
Colorado Public Higher Education Distribution of Male & Female Minority & Non-Minority Enrollments by Subject Field (Undergraduate & Graduate)

Fall 1980 Minority Enrollments

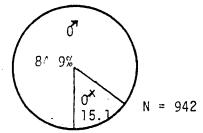


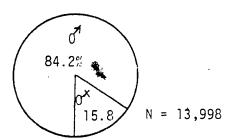


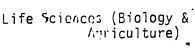
Non-Minority Enrollment

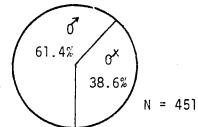


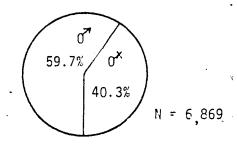
Engineering 2 Physical Sciences



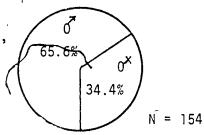


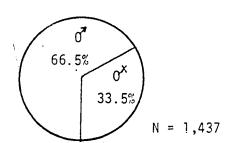




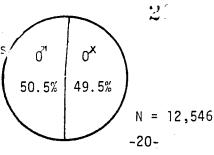


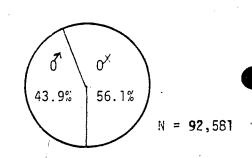
Law, Dentirory, Medicine, and Veteriner Medicine





All Other (Social Sciences, Humanities/ Education, Mathematics & Computer Sciences & Architecture)



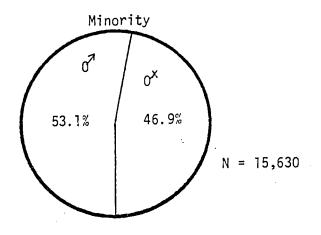


Γ.

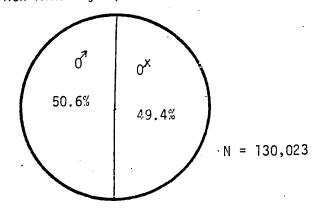
Figure 11.

Colorado Higher Education
Distribution of Minority & Non-Minority Enrollments By
Sex

Fall 1980



Non-Minority (Includes NRA)



Non-Minority (White - Excludes NRA) *

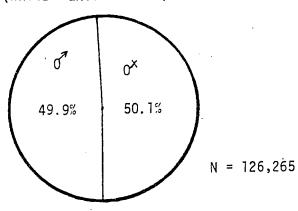
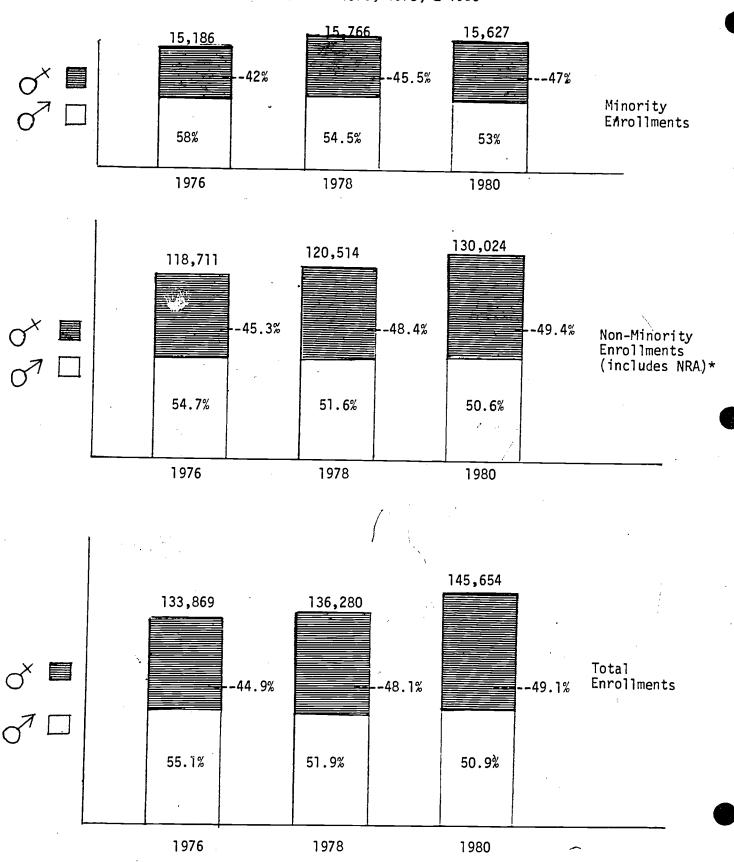
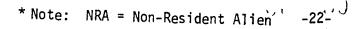




Figure 12.

Colorado Public Higher Education Distribution of Minority & Non-Minority Enrollments by Sex for 1976, 1978, & 1980







In attempting to further locate, within the public sector, where the decrease in minority enrollments took place, the data was analyzed by two-year and four-year sectors, by sex within sector, and by institution. The data (as displayed in Table IV) by two-year and four-year sectors revealed that both sectors contributed to the decrease with 79 fewer minority students enrolled in 1980 in the two-year sector than in 1978, and 57 fewer in the four-year sector. The data displayed by sex and sector (Table IV) indicates that the decrease of 136 minority enrollments was due primarily to male enrollment decreases in the two-year sector (-309) and secondarily to female enrollment decreases in the four-year sector (-75). (For more detail, see Appendix D.)

Considering the data institution by institution (see Table V and Appendeix E.) it can be seen that the largest decreases occurred at Trinidad State Junior College and Adams State College. CCHE discussed with the staff of Trinidad State Junior College possible reasons for the reported decrease in ethnic minority enrollments. The area in which the number of ethnic minority students decreased the most was identified as that consisting of part-time unclassified students. In 1978, Trinidad State Jr. College reported that 61.4% of their total enrollment consisted of ethnic minorities. Many of those were reported as part-time unclassified students. The staff of Trinidad State Jr. College, at that time, attributed this high percentage of ethnic minorities to the establishment of their Mining and Soil Technology programs which drew heavily from the Hispanic mining employees. In 1980, Trinidad State Jr. College reported a much smaller percentage of Hispanics compared to White, Non-Hispanics in the part-time unclassified category. The institution staff attributed this shift from a majority of Hispanics to a majority of White, Non-Hispanics to the failure of Hispanic part-time un-

Table IV

Colorado Public Higher Education Minority Enrollments by Two-Year & Four-Year Institutions By Sex for 1976, 1978, & 1980

Sector by Sex of Student	1976	1978	1980	Difference between 1978 & 1980
Two-Year a Institutions				
Male	3,502	3,495	3,186	-309
Female	2,345	2,524	2,754	+230
Sub-Total	5,847	6,019	5,940	-79
	<u> </u>			
Four-Year Institutions				4
Male	5,301	5,091	5,109	+18
Female	4,038	4,656	4,581	- 75
Sub-Total	9,339	9,747	9,690	-57
Total	15,186	15,766	15,630	-136

Table V

Colorado Public Higher Education Minority Enrollment Increases or Decreases by Institution Compared to Overall Enrollments by Institution From 1978 to 1980

Institution with Increases in Minority Enrollments Four-Year Institution	Amount of Increase ns	+ Increase - Decrease in Overall Enrollment	Institutions with Decreases in Minority Enrollments	Amount of Decrease	+ Increase - Decrease in Overall Enrollment
UC - Denver 292 Mesa 32 CSU 98 USC 41 UNC 29 WSC 25 Colo Mines 14		+ + - - + +	Adams State Col. UC - Colo. Spgs. UC - HSC Metropolitan UC - Boulder	445 55 36 33 19	- + - + +
Two-Year Institution	S	·			·
CMC - East Pikes Peak CC Aims CC C.N.CC* C.C.D North Lamar CC	235 153 93 83 34 3	+ + - - +	Trinidad S.J.C. Arapahoe CC C.C.D Auraria CMC - West C.C.D Red Rocks Otero Jr. Coll Morgan CC	482 245 203 48 33 23 14	+ - - + - +

^{*} Changes reflect transfer of Steamboat Springs Campus Enrollments from CNCC to CMC - East between 1978 and 1980.

NJC and PVCC are not included under institution with increases in minority enrollment due to the fact that no data were available for NJC for 1978, and that PVCC was a part of USC in 1976 and 1978.



classified students to report their proper ethnic origin. Trinidad State Jr. College staff indicated that probably one-half of the students indicating a White, Non-Hispanic origin are actually Hispanics in origin. The institution staff assumes that this is a difficult problem which they will face in future reporting years as well.

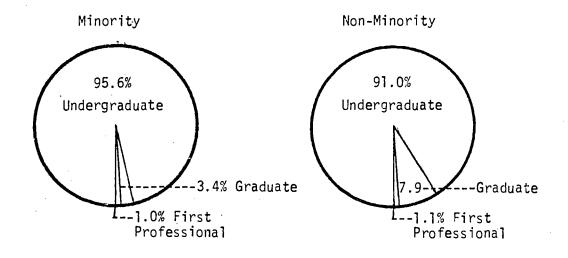
CCHE staff also discussed with staff at Adams State College their decline in ethnic minority enrollments. Adams State College staff indicated an awareness of the reported decline and a concern to try to determine cause.

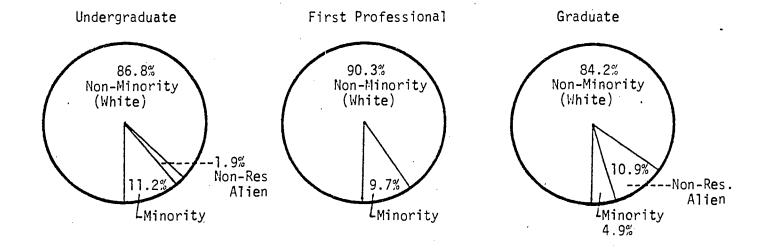
Other decreases occurred at Arapahoe Community College and the Community College of Denver - Auraria Campus. All of these institutions except Trinidad State Junior College experienced a decrease in overall enrollment as well. Thirteen of the twenty-eight public institutions experienced increases in minority enrollments. The largest increases in minority enrollment from 1978 to 1980 occurred at the University of Colorado - Denver, Colorado Mountain College - East, and Pikes Peak Community College respectively.

An analysis of minority enrollments by level (see Figure 13) revealed that this past Fall 95.6% were undergraduate enrollments. By comparison, non-minority undergraduate enrollments comprised 91.0% of the total. Minority graduate enrollments were 3.4% of the total, whereas for non-minorities 7.9% of the total were graduate. For both minorities and non-minorities, first professional enrollments comprised a very small percent of total enrollments (1.0% and 1.1% respectively). Looking at total enrollment for each level separately, the data revealed that minorities comprised approximately one-tenth of the enrollments at the undergraduate and first professional levels and about one one-twentieth of the graduate enrollments.

Figure 13.

Colorado Public Higher Education Minority & Non-Minority Enrollments by Level Fall 1980





A final area of consideration in analyzing minority enrollments is that of first-time students. The distribution of minorities and non-minority groups among first-time freshmen and first-time graduates in the Fall of 1980 is displayed in Figure 14. As can be observed, minorities comprised 11.2% of the first-time freshmen enrollments and 5.4% of the first-time graduate enrollments. In comparison, minorities comprised 11.2% of all undergraduate enrollments and 4.9% of all graduate enrollments. Since this is the first year an analysis has been made of first-time minority enrollments by the CCHE, a comparison with previous years' data can not be made. CCHE staff will continue to monitor this data in future reporting years.

Section III Colorado Higher Education The Private Sector

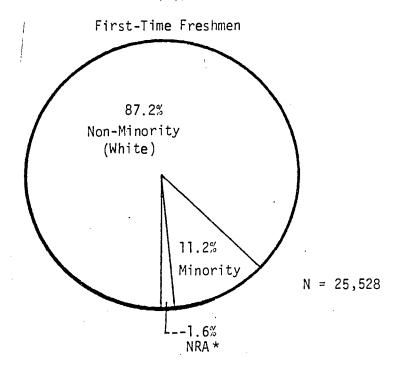
Unlike the public sector, Colorado Higher Education's private sector increased in number of ethnic minority enrollments over the period from 1978 to 1980. The number of minorities enrolled in the private sector in the Fall of 1980 was 2,021 - an increase of 417 students (or 26%) over the 1978 figure. At the same time, overall private sector enrollments increased from 19,031 in 1978 to 20,736 in 1980 (an increase of 9%). Ethnic minorities represented 9.7% of the 20,736 students enrolled.

Table VI displays increases and decreases which occurred in minority enrollments by individual minority groups. The data revealed that all groups with the exception of the American Indian/Alaskan Native group experienced an increase in enrollments (1980 over 1978).

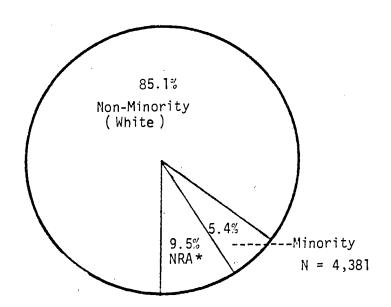


Figure 14.

Colorado Public Higher Education
Distribution of First-Time Student By
Minority & Non-Minority Groups



First-Time Graduates



^{*}Note: NRA = Non-Resident Alien



Table VI

Colorado Private Higher Education Distribution of Ethnic Minority Enrollment By Ethnic Minority Group

	Ethnic Minority Enr. Fall '78	Minorities as % of Total Enr. Fall '78	Ethnic Minority Enr. Fall '80	Total Enr.	% of Change in Ethnic Minority Enr 1978 to 1980
Black, Non-Hispanic American Indian/Alaskan Native Asian/Pacific Islander Hispanic	634 138 294 538	3.3% 0.7% 1.5% 2.8%	795 127 364 735	3.8% 0.6% 1.8% 3.5%	+25.4% - 8.0% +23.8% +36.6%
TOTAL	1,604	8.4%	2,021	9.7%	+26.0%

Note: Percentages do not always add to totals due to rounding.



Private sector ethnic minority data, analyzed by subject field groupings, revealed similar findings to that of the public sector. Results are displayed in Figure 15. As indicated, most minority students in the private sector were enrolled in the subject field grouping, All Other.

The intention of the National Center for Education Statistics in their formulation of these subject field groupings was to target certain fields for observation with regard to minority enrollments (For a more detailed analysis by subject field see Appendix C.) Among those fields, minority enrollments in Business and Commerce represented a larger portion than any other field. Since this is the first year that minority enrollments by subject field have been analyzed, no indications of enrollment changes between fields can be observed at this time.

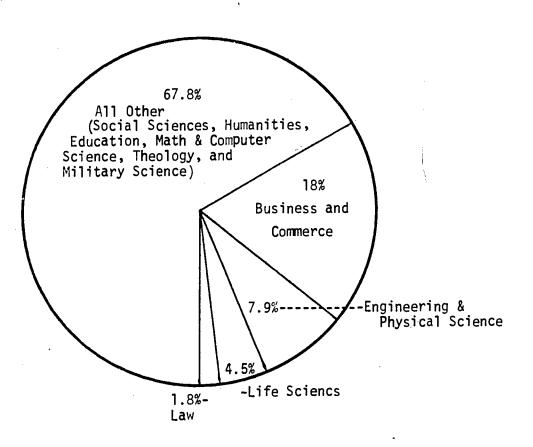
Figure 16 displays the percent of the total that minority enrollments comprised for each of the five subject field groupings. As can be observed, minority enrollments comprised approximately from one-tenth to one-twelfth of each subject field group except Law, where they comprised a smaller proportion.

Looking at these same subject field groupings by sex of enrollment (See Figure 17) it can be seen that for all subject fields except Life Sciences, where females comprised almost two thirds of the total) minority male enrollments exceeded minority female enrollments in number. The two subject fields in which male and female enrollments came the closest to being equal were Business and Management and Law. The greatest inequity existed in the fields of Engineering and Science where minority male enrollments comprised

Figure 15.

Colorado Private Higher Education Distribution of Minority Enrollments by Subject Field Groupings

Fa11 1980



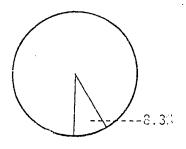
N = 2,021

Figure 16.

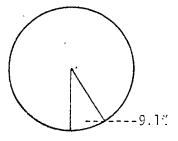
Colorado Private Higher Education
Minority Enrollment as a Percent of Total Enrollment
Subject Field Groups

Fall 1980

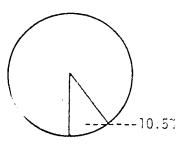
Business & Management



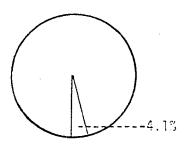
Engineering and Physical Science



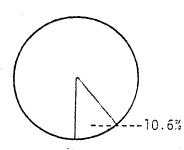
Life Sciences (Biology)



Law



All Other (Social Science, Humanities, Education Math & Computer Science, Theology, and Military Science)

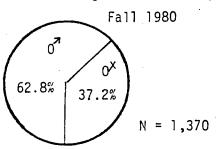


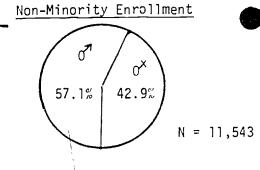
Colorado Private Higher Education

Distribution of Male & Female Minority & Non-Minority Enrollments by Subject Field Groups

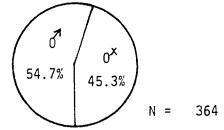
Minority Enrollment

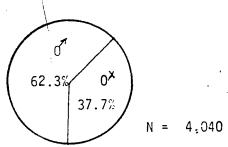
All Other (Social Sciences, Humanities, Education, Math & Computer Science, Theology, and Military Science)



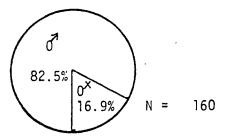


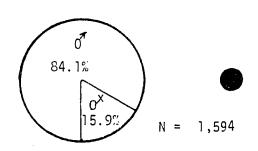
Business & Management



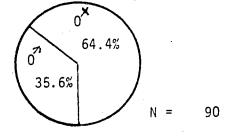


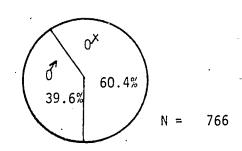
Engineering & Physical · Science



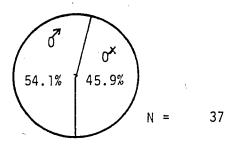


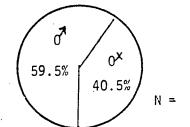
Life Sciences (Biology)





Law





855

42

about four fifths of total enrollment. Similar results occurred in analyzing non-minority enrollments by sex for each of the five subject field groupings.

A summary profile of enrollments by sex of student is given in Figures 18 and 19. Figure 18 displays the percent of enrollments that were male and female in the Fall of 1980. A similar distribution is revealed for both minority and non-minority enrollments - male enrollments comprising approximately three fifths of the total. A comparison of data from years 1976, 1978 and 1980 reveals, however, that each year the proportion of females in the total enrollment has increased for both minorities and non-minorities. (See Figure 19.)

Further analysis of the data determined which institutions contributed most to the overall increase of 417 minority enrollments (1980 over 1978). (See Table VII for display.) Results indicated that the Air Force Academy reported the largest increase of any institution. The next largest increases were reported by Regis College and then the University of Denver. Increases in ethnic minority enrollments at Regis College were reportedly due to the number of ethnic minority students who enrolled in an adult evening school program recently begun. Altogether ten of the thirteen private institutions reporting 1978 and 1980 data indicated increases in minority enrollments.

All but one of these also reported increases in overall enrollments during the same period of time. Only three colleges reported decreases in minority enrollments. (For more detail, see Appendix F.)

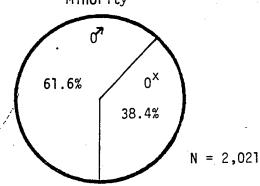


Figure 18.

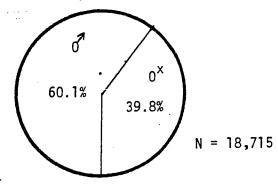
Colorado Private Higher Education Distribution of Minority & Non-Minority Enrollments by Sex

Fall 1980

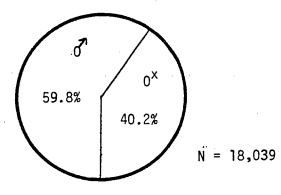
Minority



Non-Minority (Includes NRA)



Non-Minority (Excludes NRA) *



44

*Note: NRA = Non-Resident Alien

Figure 19

Colorado Private Higher Education Distribution of Minority & Non-Minority Errollments by Sex for 1976, 1978, & 1980

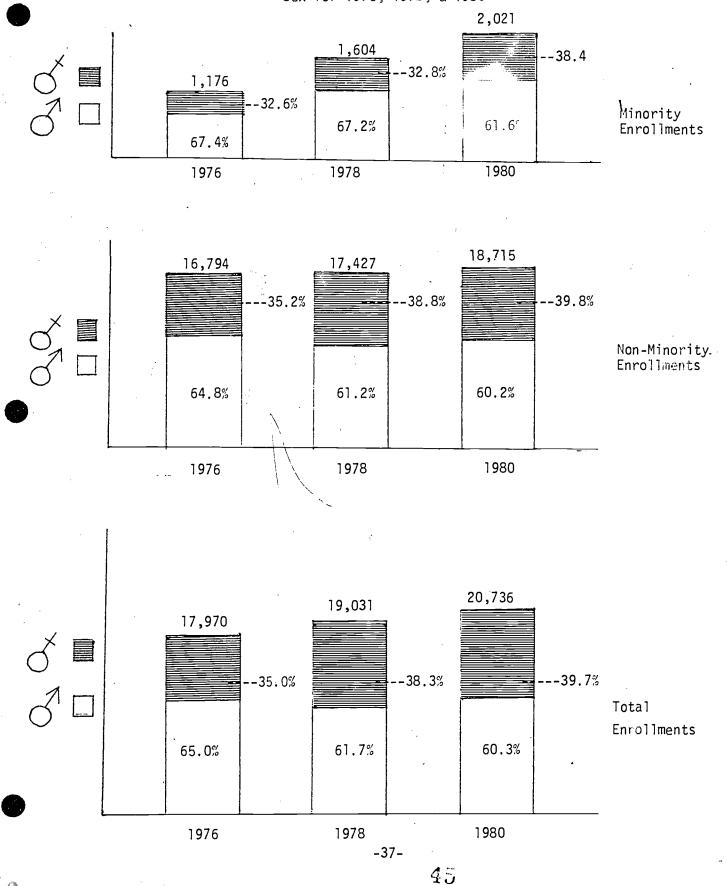


Table VII

Colorado Private Higher Education Minority Enrollment Increases or Decreased by Institution Compared to Overall Enrollments by Institution From 1978 to 1980

Institutions with Increases in Minority Enrollments	Amount of Increase	+ Increase - Decrease in Overall Enrollmonts	Institutions with Decreases in Minority Enrollments	Amount of Decrease	+ Increase - Decrease in Overall Enrollments
Colorado College Colo. Women's Col. Loretto Hts. Col. Regis College Univ. of Denver Iliff Seminary St. Thomas Sem. USAF Academy Colo. Tech. Col. Intermountain Bible	2 8 49 116 93 3 5 128 14	+ + + + + + +	Rockmont College Western Bible Nazarene Bible	1 2 16	+ -

Note: No 1978 data were available for Conservative Baptist Theological Seminary. CBTS reported 17 minority enrollments for the Fall of 1980.

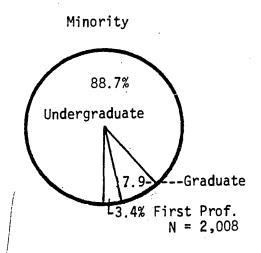


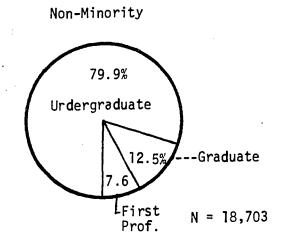
An analysis of minority enrollments for 1980 by level (see Figure 20.) revealed that approximately eight out of ten non-minorities and approximately hine out of ten minorities were classified as undergraduate. The remainder were classified as graduate and first professional. Looking at each level separately, minorities comprised approximately one out of every nine undergraduate, one out of every sixteen graduate, and one out of every twenty-two first professional enrollments.

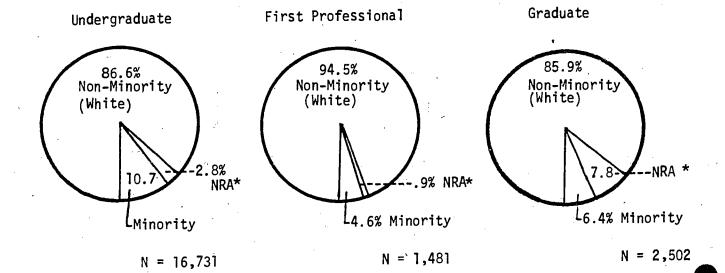
The final area to be considered is that of first-time students. Figure 21 displays the distribution of minorities and non-minority groups among first-time freshmen and first-time graduates in the Fall of 1980. As the figures indicate minority students comprised 13.8% of all first-time freshmen and 6.1% of first-time graduates. In comparison, minorities comprised 10.6% of the total undergraduate enrollment and 6.4% of the total graduate enrollment Since this is the first year CCHE has analyzed first-time minority enrollments, a comparison with previous years' data can not be made. CCHE staff will continue to monitor this data in future reporting years.

Colorado Private Higher Education Distribution of Minority & Non-Minority Enrollments By Level

Fall 1980







Note: Some % may not total to 100.00% due to rounding.

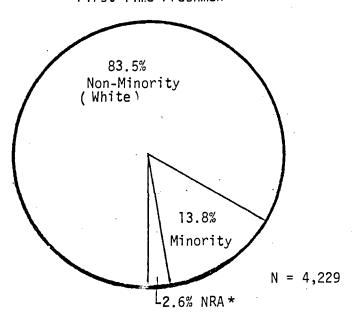
*NRA = Non-Resident Alien

43
-40-

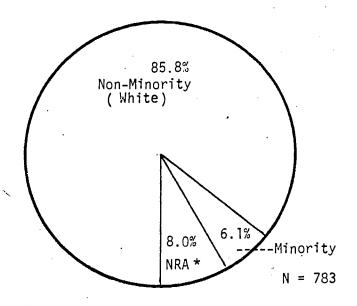


Figure 21.
Colorado Private Higher Education
Distribution of First-Time Students by
Minority & Non-Minority Groups
Fall 1980

First-Time Freshmen



First-Time Graduates



Note: Percentages may not total to 100.00 due to rounding.
* NRA = Non-Resident Alien

Appendix A

Colorado Higher Education Public & Private Sectors Combined Distribution of Minority Enrollments By Subject Field

	Number	9/,
Agriculture & Natural Resources	129	.7
Architecture & Environmental Design	. ∖ 56	.3
Biological Sciences	\ 412	2.3
Business & Management	1,901	. 10.8
Engineering	893	5.1
Physical Sciences	209	1.2
Law	66	.4
Dentistry	14	.0 8
Medicine	91	.5
Veterinary Medicine	20	.1
All Other	<u> 13,860`</u>	<u>78.5</u>
Total	17,651	99.98

Appendix B

Colorado Public Higher Education Distribution of Minority Enrollments By Subject Field

	Number	0/
Agriculture & Natural Resources Architecture & Environmental Design Biological Sciences Business & Management Engineering Physical Sciences Law Dentistry Medicine Veterinary Medicine All Other	129 56 322 1,537 777 165 29 14 91 20	.8 .4 2.1 9.8 5.0 1.1 .2 .09 .6
Total	15,630	100.09

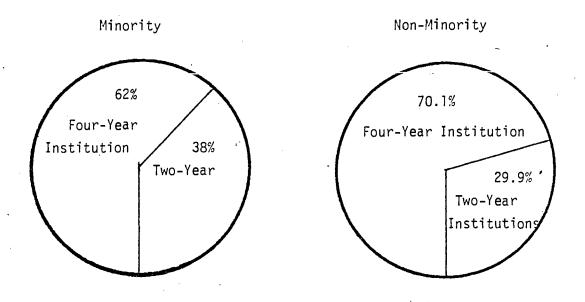
Appendix C

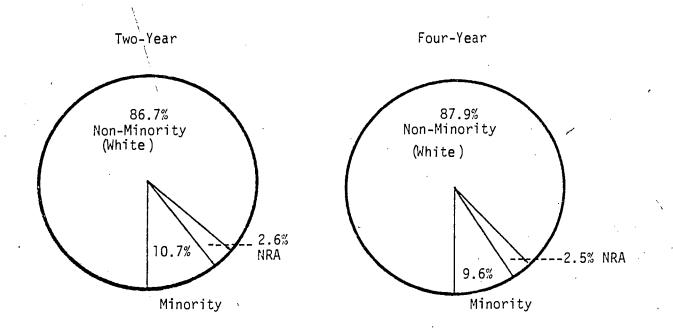
Colorado Private Higher Education Distribution of Minority Enrollments By Subject Field

:		Number	C/ ./O
	Agriculture & Natural Resources Architecture & Environmental Design Biological Sciences Business & Management Engineering Physical Sciences Law Dentistry Medicine Veterinary Medicine All Others	C 0 90 364 116 44 37 0 0 0	4.5 18.0 5.7 2.2 1.8
	Total	2,021	100.00

Appendix D

Colorado Public Higher Education
Distribution of Minority & Non-Minority Enrollments by
Two-Year & Four-Year Institutions





Note: Some % do not equal 100% due to rounding

APPENDIX E

Colorado Higher Education Minorities as a Percent of Total Enrollments By Institution - Fall 1980

Tr	ne Public Sector	Public Sector							
Institution	Total Enrollment	Minority Enrollment	S of Minorities						
Adams State College Colo. School of Mines Colorado State University Ft. Lewis College Mesa College Metropolitan State College Univ. of Colo Boulder Univ. of Colo Colo. Spgs. Univ. of Colo Denver Univ. of Colo Health Sciences Center Univ. of Northern Colorado Univ. of Southern Colorado Western State College	1,840 2,907 18,083 3,299 3,873 14,464 21,878 4,787 9,101 1,363 10,830 5,279 3,152	361 82 866 315 125 2,277 1,714 433 1,078 169 818 1,346 106	19.6% 2.8% 4.8% 9.5% 3.2% 15.7% 7.8% 9.0% 11.8% 12.4% 7.6% 25.5% 3.4%						
Sub-Total	100,856	9,690	9.6%						
Arapahoe Community College Comm. College of Denver - Auraria Comm. College of Denver - North Comm. College of Denver - Red Roc Lamar Community College Morgan Community College Otero Jr. College Pikes Peak Community College Pueblo Vocational Community Colle Trinidad State Jr. College Aims Community College Colo. Mountain College - East* Colo. Mountain College - West Colo. Northwestern College* Northeastern Jr. College	4,758 4,663 437 516 881 5,862 754 1,865 4,714 4,645 3,282 1,040 1,701	252 933 727 393 59 46 202 1,081 283 398 792 453 126 110 85	4.1% 26.6% 15.3% 8.4% 13.4% 8.9% 22.9% 18.4% 37.5% 21.3% 16.8% 9.8% 3.8% 10.6% 5.0%						
Sub-Total	44,798	5 ,9 40	13.3%						
Public Total	145,654	15,630	10.7%						

^{*} Enrollments from the Steamboat Springs campus were transferred from Colorado Northwestern Community College to Colorado Mountain College - East between 1978 and 1980 reporting years.



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APPENDIX F

Colorado Higher Education Minorities as a Percent of Total Enrollments Py Institution - Fall 1980

The Private Sector											
Institution	Total Enrollment	Minority Enrollment	% of Minorities								
Colorado College Colorado Women's College Loretto Heights College Regis College Denver University Conservative Baptist Theological	1,955 509 929 2,023 8,136	172 59 124 267 575	8.8% 11.6% 13.1% 13.2% 7.1%								
Seminary Intermountain Bible College Nazarene Bible College Iliff School of Theology St. Thomas Seminary U.S. Air Force Academy Colorado Technical College Rockmont College Western Bible College	399 90 510 359 146 4,610 577 290 203	17 2 20 12 16 635 48 18 6	4.3% 2.2% 3.9% 3.3% 11.0% 14.9% 8.3% 6.2% 3.0%								
Sub-Total	20,736	2,021	9.7%								

	Public & Pr	ivate Sectors Comb	ined	
Grand Total		166,390	17,651	10.6%

Note: Yeshiva Toras Chaim Seminary data was not available for this report.



•					niżtum	outjon et		Enrolline 1980	by Ins	titut lon					APPE!	INIX G		
							The Publ	lc Sector				17		h				
Institution	Non-Res	Ident All	en x	Black,	Non-Illsp			an Indian an Native		Asian Islan	or Pacifi	C	Hits	spanto		lota	1 Minorit	1
	1978	1980	t ar -	1978	1980	t or -	1978	1980	t or -	1978	1980	t or -	1978	1900	1 + or -	1978	es Hon-Red 1900	ildont Alien) + or -
Adams State College Colo. School of Hines Colo. State Univ. Ft. Lewis College Hesa College Hetro State College Univ. of ColoBoulder Univ. of ColoColo. Spgs. Univ. of ColoDenver Univ. of ColoDenver Univ. of ColoHealth	22 248 4/1 29 -0- 50 517 14 235	38 255 479 43 17. 103 613 18 289	+ 72.72 + 2.82 + 1.73 + 48.32 +100.62 +106.01 + 18.62 + 28.63 + 23.01	185	22 8 178 10 14 927 422 160 336	- 63.91 +100.01 - 3.91 - 47.42 1 16.72 - 9.01 - 7.91 - 19.21 + 39.41	55 175 23	10 3 - 59 173 -0. 109 111 16	- 33.31 - 25.04 + 7.31 - 1.11 + 5.81 + 18.11 + 23.11 + 6.01	45 24 204 12 12 97 437 96 193	9 28 218 9 - 11 225 442 86 305	+ 16.71	685 36 324 109 46 1,091 744 181 302	320 43 411 123 100 1,016 739 171 304	- 53, 3x + 19, 4x + 26, 9x + 12, 8x +117, 4x - 6, 9x - 0, 7x - 5, 5x + 27, 2x	68 768 315 93 2,310 1,733	361 82 866 315 125 2,277 1,714 433	- 51,71 + 20,61 + 12,81 -0- + 34,41 - 1,42 - 1,11 - 11,32
Sciences Center Univ. of Northern Colo. Univ. of Southern Colo.* Western State College	-0- 156 - 242 10	5 260 3/7 22	+1/10.0x + 66.7x + 55.8z +120.0x	299 218 18	265 208 20	- 26.63 - 11.44 + 32.14 + 11.13	14 38 47	13 30 23 10	- 7.11 0.01 - 40.41 + 11.11	59 97 28 5	42 91 46 7	- 28,10 - 6,21 + 64,31 + 40,01	9) 5, 1,012 49	84 474 984 69	- 7.71 + 19.4 - 2.81 + 40.82	205 789 1,305 61	169 818 1,346 106	+ 3.74 + 3.74 + 3.14 + 30.91
Sub-Total	1,994	2,519	+ 26.31	2,773	2,600	- 3.4x	640	623	- 2,71	1,309	1,519	+ 16.02	5,075	4,853	- 3.1%	9,747	9,690	61
Arapahoe Comm. Coll CC Denver - Auraria CC Denver - North CC Denver - Red Rocks Lamar CC Morgan CC Otero Jr. College Pikes Peak CC Pueblo Vocational CC Irinidad State Jr. Coll Aims CC Colo. Min College-East Colo. Min. College-Hest Colo. Northwestern Coll Northeastern Jr. Coll	189 294 50 67 1 18 18 19 108 39 5 3 12 14/A	267 388 150 - 204 5 30 - 0- 91 -C- 43 46 -0- -0- 11	+ 41.3x + 32.02 1200.0z +204.51 1400.0x - 40.3x - 16.0x N/A - 60.2x + 17.9x -100.0x - 8.3x N/A	139 567 127 62 15 6 30 459 N/A 29 24 3 7 26 N/A	69 471 118 62 8 1 14 501 13 42 28 17 41 43	- 50, 41 - 16, 91 - 7, 1x - 10, 7t - 81, 3x - 53, 3x + 9,22 N/A + 44, 81 0, 01 + 700, 01 + 14, 3x - 46, 2x N/A	46 71 45 52 0 1 7 52 N/A 39 42 80 106 -0- N/A	36 64 72 70 0 5 10 72 6 14 31 27 20 5	- 21.71 - 9.91 + 60.02 + 34.61 0.01 + 400.02 + 42.91 + 38.51 N/A - 64.13 - 66.32 - 31.11 R/A	36 90 81 44 3 3 77 8/A - 27 50 8 19 -0-	30 80 96 31 0 4 5 82 2 3 54 28 15 2	- 16.71 - 11.17 + 18.51 - 29.51 + 33.01 + 56.71 + 6.51 - 86.47 + 0.01 + 250.01 - 21.11	276 400 440 268 38 50 185 340 N/A 790 579 127 42 1 R/A	117 318 441 230 51 36 173 426 262 339 679 381 89 45	- 57.6t - 22.1x - 0.21 - 14.21 + 34.2x - 28.04 - 6.5x + 25.31 - 57.1x + 17.34 + 200.01 + 91.61 + 08.0x	497 1,136 693 426 56 60 225 928 N/A 800 699 218 174 27 N/A	252 933 727 393 59 46 202 1,681 283 398 792 453 126 110	- 49.3x - 17.9z + 4.9z - 7.7z + 5.4z - 23.3z - 10.2x + 16.5x - 54.8z + 13.3x + 107.8z - 27.6x + 307.4z
Sub-Total	949	1,240	+ 30.71	1,498	1,397	- 6,71	541	436	- 19.4%	436	43/	+ 0.2%	3,544	3,6/0	+ 0.64	6,019	5,940	- 1.34
Public Total	2,943	1,159	+ 27.7	4,271	4,0//	4.51	1,181	1,059	- 10.3x	1,745	1,956	+ 12.1%	8,569	8,539	+ 0.41	15,766	15,630	- 8.61
	}		T			Ţ	he Privat	e Sector	· · · · · · · · · · · · · · · · · · ·			·			· · · · · ·			
Colorado College Colo. Momen's College Foretto Helghts Coll Regis College Denver University Cons. Baptist Theo. Sea. 11iff School of Theo. St. Thumas Seatnary US Air Force Adademy Colo. Tech. College Rockmunt College Hostern Bible College Intermountain Bible Coll	20 19 490 V/A 11 11 11 4 2	23 40 507 2 7 -0- 16 35 9	- 20.01 - 44.45 + 15.55 + 110.55 + 3.55 + 75.65 + 218.53 + 125.53 + 80.03 - 50.03	49 30 22 85 160 N/A 6 2 231 13	57 33 37 110 194 5 9 1 306 18 10 2	+ 16.3x + 10.0x + 68.2x + 29.4x + 15.5x + 50.0x + 30.5x + 32.5x + 38.4x + 23.0% - 43.5 %	13 5 7 79 N/A 0 0 19 2 1 2	10 2 0 21 62 0 0 0 0 27	21.1% - 60.04 +209.01 - 21.5% - 42,1% - 33.3%	27 6 10 17 93 N/A 2 2 133 2 2 0	32 1 16 42 126 8 2 1 129 3 2 0	+ 18.5x - 83.3z + 60.0x +147.1x + 35.5x - 9x - 50.0x - 3.0x + 50.0x	01 10 36 42 142 N/A 1 7 174 174 17 13	73 23 71 94 193 4 1 14 223 27 4 4 3	- 9.97 +130.01 + 97.21 +123.87 + 35.97 (07 +100.01 + 28.27 + 58.87 - 69 27 - 70.02	170 51 75 151 482 H/A 9 11 557 34 19	172 59 124 267 575 17 12 16 685 48 18	+ 1.24 + 15.74 + 65.32 + 76.82 + 19.34 + 45.54 + 23.03 + 41.21 - 5.25 - 28.04 - 14.42 - 100.05
Sub-lotal	610	676	+ 10.81	634	795	+ 25,4%	138	127	- B,01	294	364	+ 23.81	538	/35	+ 36.02	1,604	2,021	+ 26.0
		!		1 				i	1			·				1		

Grand Total 3,553 4,435 + 24.81 4,905 14,872 - 10.1% 2,039 2,320 + 13.8% 9,107 9,273 |+ 1.91 |17,370 17,651 1.61 .71 1,319 1,186 · Note: * PVCC added this year as a separate institution; formerly part of Univ. of Southern Colorado.

Public & Private Sectors Combined