

Bakersfield College

Kern County Community College District
Resource and Facility Master Plan

BAKERSFIELD COLLEGE

Background and History

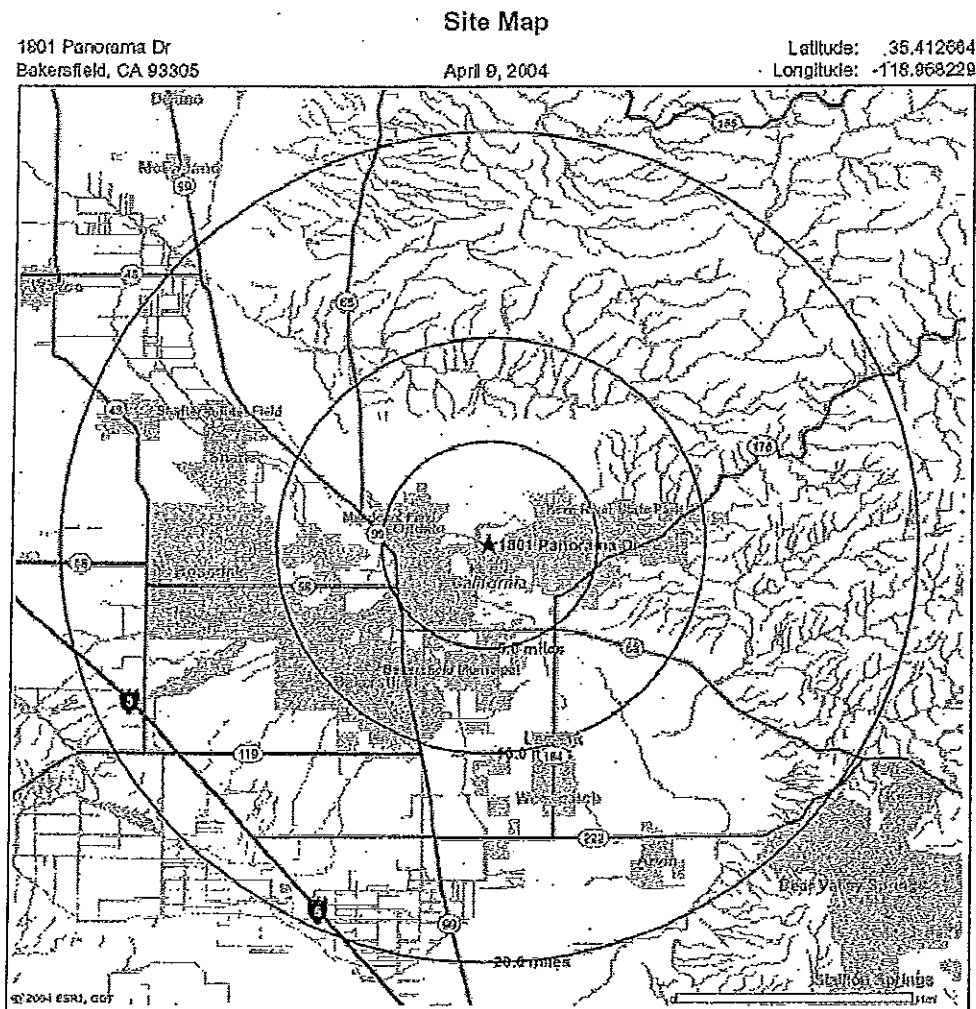
Founded in 1913, Bakersfield College is one of the nation's oldest continually-operating community colleges. Throughout the years, it has provided students with an outstanding two-year program of education. Today, the main campus of Bakersfield College is situated at Panoramic Drive in northwest Bakersfield – a 153 acre site on the bluffs that overlooks the floor of the San Joaquin Valley. It has been at this location since 1956.

The college serves a current-day enrollment of approximately 15,000. The majority of students attend at the main campus. However, the college also has satellite campuses at the Weill Institute in downtown Bakersfield, the Delano Center 35 miles north of Bakersfield, and at three other centers located in the service area. Classes are generally offered on a 16-week semester basis. The instructional delivery system also includes a variety of non-traditional scheduling options that are offered in the evenings, on weekends, for shorter-than-semester periods and via instructional television and on-line courses.

Students attending Bakersfield College do so for transfer to four-year colleges or universities, to complete a particular program of study leading to a two-year degree or to gain skills in an occupational field of study. The composition of the student body includes recent high school graduates, adults, single parents, disabled students, individuals returning to college to upgrade their skills, and life-long learners. There are students who possess a strong academic background as well as students who are in need of remedial education. Students who successfully complete the requirements for graduation can attain either an Associate in Arts or Associate in Science Degree. Students who complete the requirements for selected occupational programs can receive appropriate certifications. Bakersfield College is accredited by the Accrediting Commission for Community and Junior Colleges of the Western Association of Schools and Colleges.

Delimitation of the Effective Service Area of the College

The "effective service area" is the area from which the college draws the majority of its student enrollments. Several geographic ranges were tested to determine and define this area. Currently (and historically), the college attracts approximately 84% of its enrollments from the two key cities of Bakersfield and Shafter. The capacity of the college to attract students to its campuses generally extends to a range of about twenty-miles. For the purposes of planning and forecasting, and with respect to determining the defined service area of the college, the twenty-mile radius, with the main campus as the midpoint or epicenter, is the area from which the college can anticipate to draw the bulk of its student base. An illustration of this service area is depicted in the graphic that follows.



Source: ESRIBIS Marketing and Demographic Data, 2003

Demographic Profile of the Service Areas

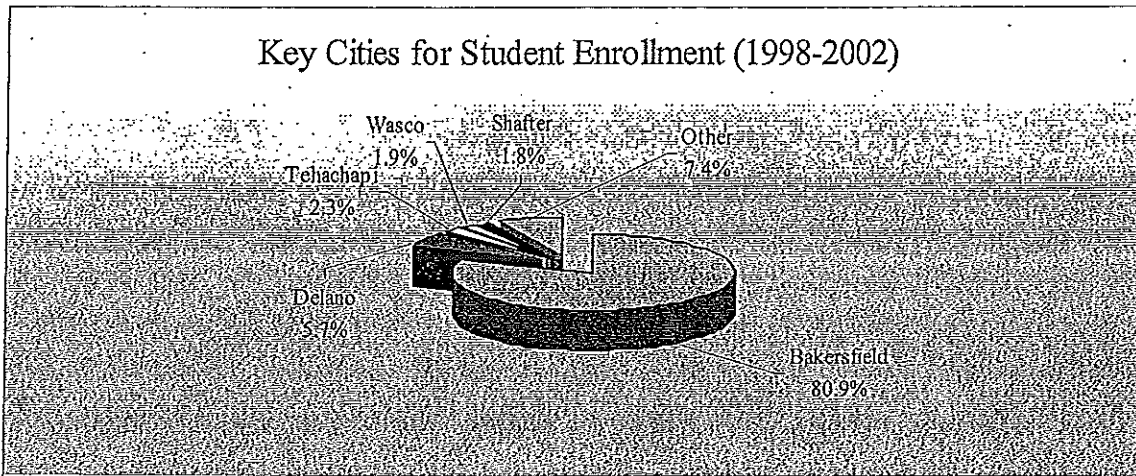
Bakersfield College's effective service area has a current population base of 468,320 people. The annual rate of growth is 1.67%, a rate that is above the statewide average of 1.47% and higher than the Kern County average, which is 1.56%. The median (\$39,237) and per capita income (\$17,480) levels of the service area are below the state averages. Generally, the service area has a young population base. The median age is 29.6, almost four years younger than the statewide average. The dichotomy of the service area is reflected in virtually all of the demographic and income markers. Nearly 20% of the population has an income that is below the poverty line (\$15,000 per household) but owner occupied households (persons owning their own home) is growing at 2% per year, well ahead of the statewide average of 1.29%. Likewise, the annual rate of growth for median household income (2.91%) significantly outpaces the state by seven-tenths of a percentage point. The primary race/ethnic breakdown is more consistent with the state averages - the White/Caucasian segment (59.5%) is still dominant but declining; the next largest race/ethnic segment, Hispanic, is increasing as a percentage share of the population base. All other race/ethnic segments, both currently and as projected into the future, have remained approximately the same relative to their percentage shares of the population base. (Note: persons listed as Hispanic Origin may be of any race)

Demographic data from the service areas indicates that the age groups most likely to attend college, ages 15 to 54 years of age, will grow at approximately the same rates as they have over the past five years, i.e. grow as percentage shares of the population equal to the current level. This suggests that college will not receive a natural "bump" in the college bound population at least through the year 2012. The fastest growing age segment is 25 to 34 years of age. Over the next five years, this group will comprise more than 27% of the population.

Sources of Student Enrollment

Five key cities have been responsible for 92.6% of student enrollments over the past five years. Bakersfield zip codes provided more than 80% of student enrollments over this period. The city of Delano, the second largest contributor, produced 5.7% of all enrollments with the bulk of these students attending the educational center in Delano. Tehachapi, the site of a satellite center, was the third largest contributor with 2.3% of enrollments. Wasco and Shafter make up the remainder of the key cities, generating 1.9% and 1.8% of enrollments respectively.

CHART 1

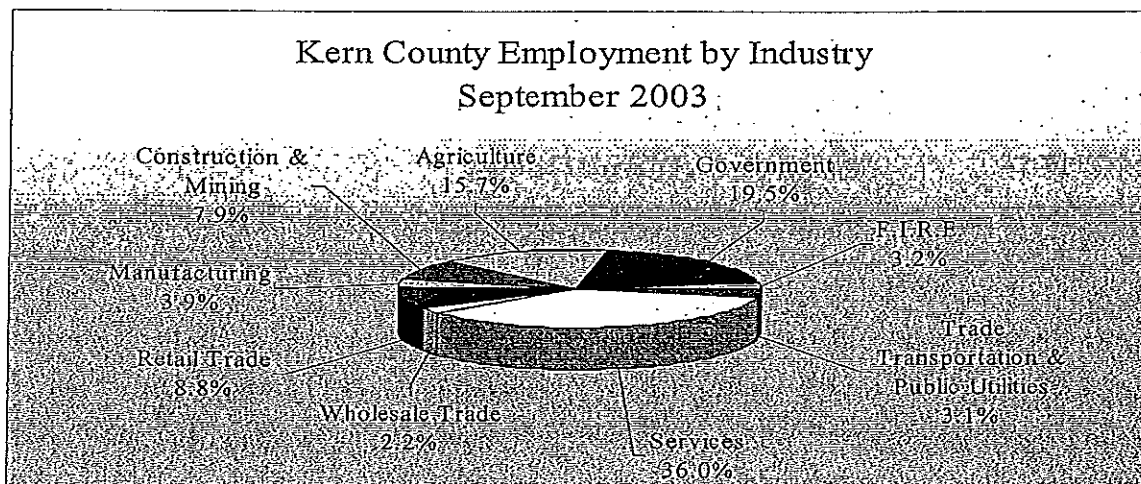


Source: Kern Community College District, Banner System; analysis by Maas Companies

Economic Vitality

Data available from the California Economic Development Department for Kern County indicates that the industry sectors of Services, Government and Agriculture comprised the largest part of the County's employment base. Together these industries accounted for just over 71% of the total employment in the county. Services made up the largest share, 36.0%, followed by Government (mostly local government), 19.5% and Agriculture at 15.7%.

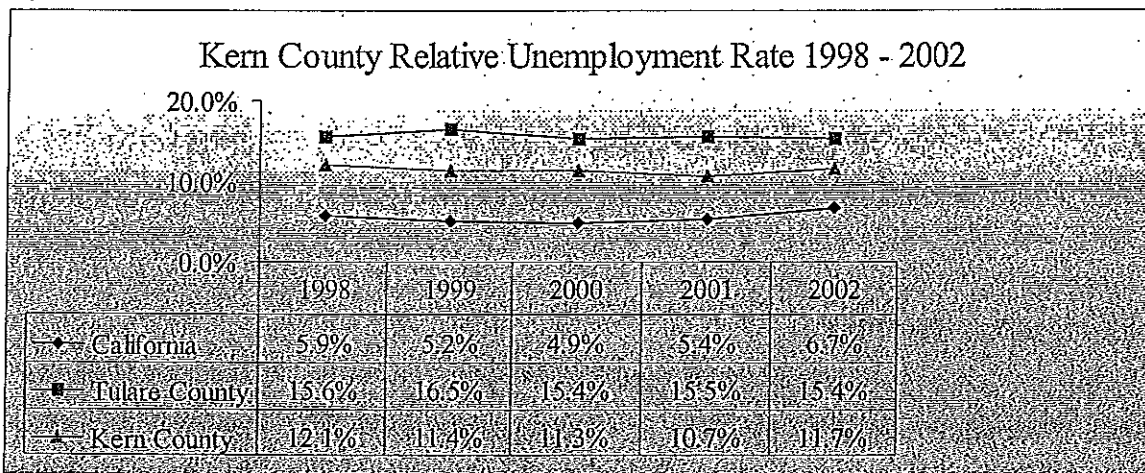
CHART 2



Source: Labor Market Information, California Employment Development Division; Analysis by Maas Companies

Over the past five years, the labor market conditions in Kern County have changed dramatically. In 1998 and 1999 the labor force was flat, barely growing at all. In the three successive years, 2000 through 2002, the labor force grew at faster annual rates than the population. The recent high growth rates in the labor force (2.4% in 2002) are due in part to population growth and in part to the young population base that has larger numbers of individuals entering the work force each year. Unemployment rates, a key indicator of the economic health and vitality of an area, indicate a strong dependence on agriculture and agriculture related businesses. Overall, the rates for unemployment are better than neighboring Tulare County but still approximately twice those of the state.

CHART 3



Source: Labor Market Information, California Employment Development Division

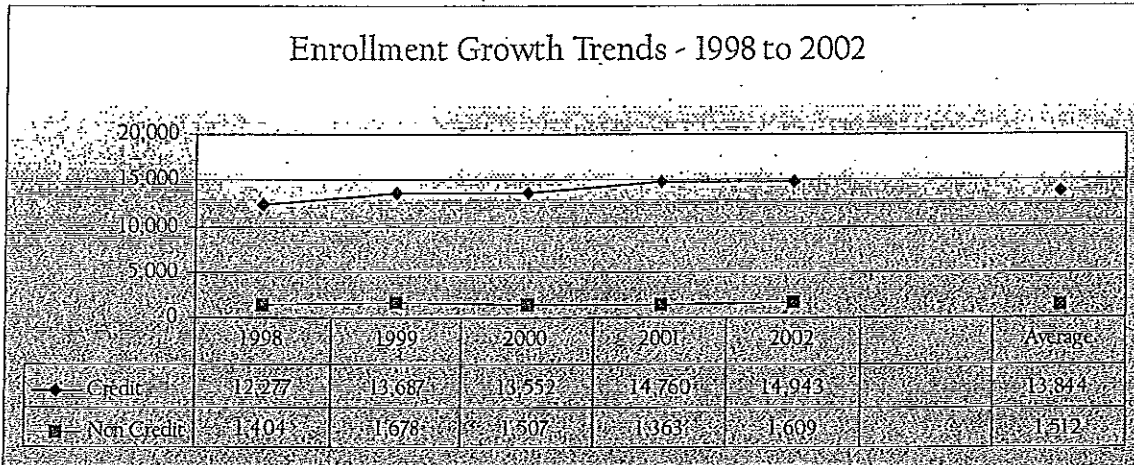
The Current Condition of the College

Enrollment Trends

Enrollment at Bakersfield College has shown increasing growth overall. Growth for credit enrollment has increase 21.7% over the past five years. Enrollment is currently just under the 15,000 student mark for the credit program of instruction. Growth for non-credit enrollments,

representing less than 10% of all enrollments, has been flat over the past five years. The enrollment trends for the college are depicted in the graphic that follows.

CHART 4



Source: Kern Community College District, Banner System; Analysis by Maas Companies. Data is for fall semesters, first census, unduplicated credit and noncredit enrollment

Rate Of Student Participation

The Chancellor's Office defines the rate of student participation as the number of students attending the college per 1,000 population. The current state average is approximately 37 students per 1,000 residents; the goal of the Chancellor's Office is 72 students per 1,000 residents. An examination of the five key cities of the service area discloses that the student participation rate for the 2002 fall semester was 28.3 students per 1,000 residents. Only one of the key cities, Bakersfield, was close to the statewide average SPR of 37.

The data demonstrates that the college has an opportunity to "grow" enrollments and WSCH production by increasing its student participation rates via the existing population base. The greatest opportunity for new enrollment growth will be in the city of Bakersfield, where the college currently derives 80.8% of its student enrollment. Based on the college's current status, each unit increase in the SPR will translate into a gain of approximately 414 students. Student participation rates for the college over the past two years are depicted in the table that follows.

TABLE 1
STUDENT PARTICIPATION RATES BY KEY CITY ZIP CODE AREA

CITY/AREA	2001			2002		
	POP	ENRL	PR	POP	ENRL	PR
Bakersfield	405,182	12,807	31.6	413,639	13,047	31.5
Delano	45,844	748	16.3	46,629	914	19.6
Tehachapi	27,703	391	14.1	28,262	378	13.4
Wasco	22,953	296	12.9	23,386	314	13.4
Shafter	15,423	276	17.9	15,656	295	18.8
Total - Key Cities	517,105	14,518	28.1	527,572	14,948	28.3
20-Mile-Radius*				468,320	14,948	31.9

Source: Bakersfield College, Office of Institutional Research, 2002 fall semester, credit and noncredit enrollments; ESRI BIS Marketing/ Data Systems; Maas Companies database; analysis by Maas Companies
*Only two of the key cities are in the 20-mile service area of the main campus.

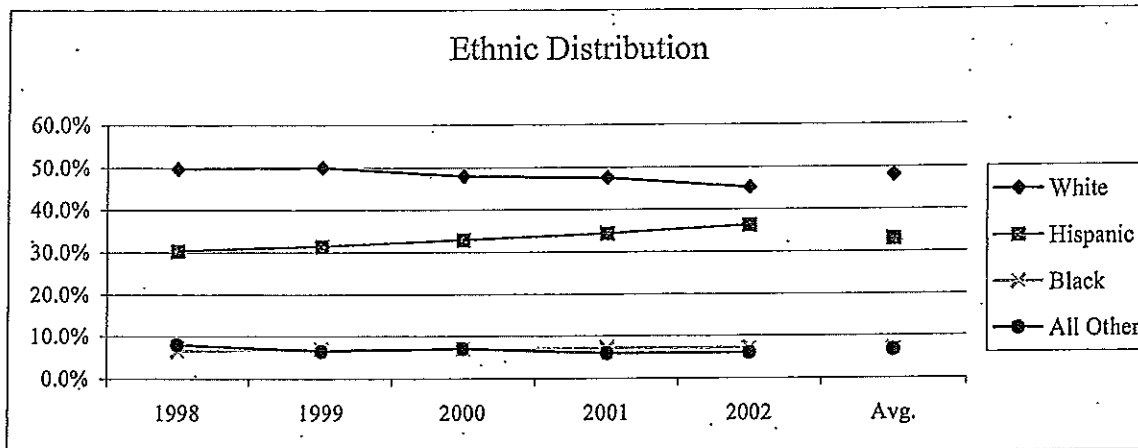
Key Student Characteristics

Consistent with the other colleges of the District (and with community colleges across the state), the gender profile indicates a female dominant student body by a 60% to 40% margin. There is a strong preference for the “day only” enrolled student, as this is the time when greatest variety and the greatest number of class session are offered. Presently, “day only” students represent approximately 50% of all students on campus. “Evening only” students currently represent 24% of the all students, while students taking a combination of both day and evening classes account for 26%. The trends for “time of day/night” enrollments reflect a relatively stable pattern.

As with other colleges of the District, there is an encouraging trend at Bakersfield College, where the 18 to 24 years of age student, a prime target for enrollment, has shown an ascending trend. Over the past five years, this segment of the student body has grown from 54.9% to almost 60%. This age group is the dominant segment on campus. All other age segments have remained relatively flat as percentage shares of the student body - ranging from 4% to 16%.

The overall race and ethnicity characteristic of the student body mirrors the demographic composition of the college's service area. The predominant race/ethnic segment is White/Caucasian but declining (49.8% to 45.3%) over the past five years. The Hispanic race/ethnic segment presently comprises 36.2% of all students and is increasing (33.1% to 36.2%). Combined, African American Asian/Pacific Islander and Native American students comprise 18.5% of the student body. Individually, each of these race/ethnic segments has shown slight increasing trends over the past five years.

CHART 5



Source: Kern Community College District; Analysis by Maas Companies. Data is for fall semesters, unduplicated credit enrollment, first census

Full time students, i.e. taking 12 credits or greater, have averaged approximately 15% of all enrollments over the past five years. The predominant student, representing about 25% of the student body, takes between .01 and 3.49 credits per semester. There is an encouraging trend for students at Bakersfield College to take greater course loads. The number of students taking six or more credits per semester has risen from 42.4% to 55.3% over the past five years.

Current Program of Instruction

Depicted in the table that follows is the college's current program of instruction, as viewed from the perspectives of the main campus as well as the Bakersfield College-Delano Campus and the campus centers of Northwest Bakersfield, Southwest Bakersfield, Tehachapi and the Weill Institute. In this initial analysis, the instructional departments of the college have been used to define the program of

instruction. These departments include Academic Development, Agriculture, Allied Health, Applied Science and Technology, Behavioral Sciences, Business, Communications, Computer Studies Counseling, English and ESL, Family and Consumer Education, Fine Arts, Foreign Languages, Health and Physical Education, Mathematics, Performing Arts, Philosophy, Physical Sciences, Public Safety and Social Sciences. The data presented provides a snapshot of the key programmatic elements as well as insight into the current curricular condition at the college. At a glance, the combined instructional departments – Health and Physical Education, Mathematics, Social Sciences, Behavioral Science and English/English As A Second Language – currently combine to produce almost 50% of the weekly student contact hours (WSCH) generated at the college. Also noted from the overview are the very healthy productivity values for average seats per section and WSCH per full-time equivalent faculty (FTEF) at Bakersfield College. The 2002 fall semester was used to capture this snapshot in time.

TABLE 2
CURRENT PROGRAM OF INSTRUCTION – BY COLLEGE DEPARTMENTS
BAKERFIELD COLLEGE – MAIN CAMPUS

COLLEGE DEPARTMENT	SEC	SEATS / SEC	WSCH	FTEF	FTEF	WSCH/ FTEF	LEC HRS	LAB HRS
Academic Develop	73	50.0	5,225	174	13	393	143	89
Agriculture	116	27.9	3,110	103	8	408	71	40
Allied Health	79	26.6	5,737	191	17	337	79	157
Applied Sci & Tech.	26	18.4	5,364	178	16	334	133	127
Behavioral Science	90	47.8	13,065	435	18	737	249	0
Biological Sciences	31	25.3	5,331	177	11	467	34	63
Business	52	36.6	4,422	147	9	512	98	39
Communications	61	26.8	3,905	130	10	405	128	9
Computer Studies	28	27.9	6,630	221	9	704	133	82
Counseling	52	31.6	1,505	50	3	596	49	0
English, ESL	62	29.4	12,472	415	34	364	434	42
FACE	44	36.0	6,887	229	11	612	161	25
Fine Arts	85	31.0	4,903	163	10	480	91	99
Foreign Language	46	33.9	5,135	171	10	532	145	0
Health & Phys Ed.	68	51.6	13,034	434	22	587	99	251
Mathematics	34	47.4	15,251	508	24	637	294	43
Performing Arts	33	37.4	5,516	183	10	535	101	67
Philosophy	47	39.8	3,194	106	5	639	78	0
Physical Sciences	24	29.8	6,949	231	14	480	110	125
Public Safety	48	32.4	4,431	147	3	1,287	113	54
Social Science	97	50.5	14,030	467	19	731	261	0
Other	21		1,011	36	2	457	0	40
Total	1,217	37.6	147,107	4,906	280	526	3,001	1,350

Source: Bakersfield College, Office of Institutional Research, 2002 fall semester, analysis by Maas Companies

Summary profiles of the campus centers that are part of Bakersfield College also indicate positive characteristics relative to a "key elements" assessment. Profiles for these centers include those for the Delano Campus; the Northwest Campus, the Southwest Campus, the Tehachapi Campus and the Weill Institute. Again, the snapshot generated is for the 2002 fall semester and includes WSCH generated from credit enrollments only.

TABLE 3
CURRENT PROGRAM OF INSTRUCTION – BY COLLEGE DEPARTMENTS
BAKERSFIELD COLLEGE – CAMPUS CENTERS

COLLEGE DEPARTMENT	SEC	SEATS/ SEC	WSCH	FTEF	FTEF	WSCH/ FTEF	LEC HRS	LAB HRS
Delano Center								
Academic Develop	5	26	458	15	1.2	389	15	3
Admin of Justice	2	32	194	7	0.4	486	6	-
Amer Sign Lang	1	39	200	7	0.3	607	5	-
Anthropology	2	56	342	11	0.4	856	6	-
Art	1	46	142	5	0.2	709	3	-
Biology	2	29	411	14	1.0	432	5	9
Chicano Studies	1	14	43	1	0.0	-	-	-
Child Development	5	21	355	12	0.8	443	15	-
Computer Studies	3	20	273	9	0.6	429	9	5
Correctional Admin	1	19	59	2	0.2	297	3	-
English	5	29	600	20	1.7	363	20	-
English/Develop	4	26	719	14	1.1	392	16	-
ESL	3	20	219	7	0.7	298	7	-
Health Education	3	49	450	15	0.6	750	9	-
History	5	40	620	21	1.0	620	15	-
Mathematics	5	28	591	20	1.0	614	20	5
Mathematics/Devel.	3	15	151	5	0.5	323	7	-
Medical Science	1	48	148	5	0.2	740	3	-
Nutrition	1	28	86	3	0.2	432	3	-
Philosophy	3	46	429	14	0.6	714	9	-
Physical Education	2	22	69	2	0.2	346	-	4
Political Science	2	34	210	7	0.4	524	6	-
Psychology	2	49	290	10	0.4	748	6	-
Sociology	2	49	299	10	0.4	748	6	-
Speech	3	34	315	11	0.6	524	9	-
Student Develop	2	34	66	2	0.1	661	2	-
Theatre Arts	2	45	274	9	0.4	686	6	-
<i>Sub total</i>	71	32	7,720	258	15.1	5,12	211	26
Northwest Campus								
Business	2	21	146	5	0.5	313	3	-
Business - Real Estate	1	32	99	3	0.2	493	3	-
English	2	26	210	7	0.7	318	8	-
Health Education	2	34	206	7	0.4	516	6	-
Mathematics	1	31	159	5	0.3	483	5	-
Mathematics/Devel.	1	33	136	5	0.3	508	4	-
Psychology	1	60	185	6	0.2	926	3	-
Sociology	1	45	139	5	0.2	693	3	-
Speech	2	29	176	6	0.4	440	6	-
Student Devel	1	32	17	1	0.0	499	1	-
<i>Sub total</i>	14	32	1,471	49	3.2	466	42	-

Source: Bakersfield College, Office of Institutional Research, 2002 fall semester; analysis by Maas Companies.

TABLE 4
CURRENT PROGRAM OF INSTRUCTION – BY COLLEGE DEPARTMENTS
BAKERSFIELD COLLEGE – CAMPUS CENTERS (continued)

COLLEGE DEPARTMENT	SEC	SEATS/ SEC	WSCH	FIES	FTEP	WSCH/ FTEF	LEC HRS	LAB HRS
Southwest Campus								
Academic Development	1	22	68	2	0.2	338	3	-
Art	1	29	90	3	0.2	448	3	-
Business-Accounting	1	35	102	3	0.2	509	3	-
Business-Business	1	36	111	4	0.2	556	3	-
Business-Real Estate	1	24	74	3	0.2	370	3	-
English	1	31	128	4	0.3	479	4	-
Health Education	2	37	225	8	0.2	1,126	6	-
History	2	43	265	9	0.2	1,327	3	-
Mathematics	3	46	714	24	1.0	721	15	-
Philosophy	1	24	74	3	0.2	370	3	-
Political Science	1	37	114	4	0.2	570	3	-
Psychology	1	37	114	4	0.2	571	3	-
Speech	1	32	99	3	0.2	493	3	-
Student Development	2	33	66	2	0.1	495	2	-
<i>Sub total</i>	<i>19</i>	<i>35</i>	<i>2,243</i>	<i>75</i>	<i>3.6</i>	<i>625</i>	<i>57</i>	-
Tehachapi Campus								
Correctional Admin	1	30	93	3	0.2	463	3	-
Psychology	1	30	93	3	0.2	463	3	-
Speech	1	30	93	3	0.2	463	3	-
Student Development	2	18	29	1	0.1	220	2	-
Theatre Arts	1	32	99	3	0.2	494	3	-
<i>Sub total</i>	<i>6</i>	<i>26</i>	<i>406</i>	<i>14</i>	<i>0.9</i>	<i>436</i>	<i>14</i>	-
Weill Institute								
Business-Management	4	1	94	3	0.3	280	5	-
Business-Real Estate	3	3	293	10	0.6	488	9	-
Business-Small Busin.	3	1	89	3	0.2	380	4	-
Child Development	2	2	87	3	0.3	336	4	-
English	1	4	115	4	0.3	349	4	-
English/Develop.	1	4	111	4	0.3	417	4	-
History	1	45	139	5	0.2	694	3	-
Student Development	1	39	20	1	0.0	608	1	-
<i>Sub total</i>	<i>16</i>	<i>27</i>	<i>948</i>	<i>32</i>	<i>2.3</i>	<i>419</i>	<i>34</i>	-
Total	126	31	12,787	426	25.0	511	360	26

Source: Bakersfield College, Office of Institutional Research, 2002 fall semester; analysis by Maas Companies

The State Chancellor's Office uses the Taxonomy of Programs and Services (TOPS) Code to determine space need eligibility. Depicted in the following tables are the college's programs of instruction as translated and reorganized using this instructional division format.

TABLE 5
CURRENT PROGRAM OF INSTRUCTION – BY TOPS
INSTRUCTIONAL DIVISIONS
BAKERSFIELD COLLEGE – MAIN CAMPUS

TOPS DIVISION	CODE	SEC	SEATS/ SEC	WSCH	FTEs	FTEF	WSCH/ FTEF
Agriculture	0100	30	28.5	3,068.6	102.3	7.4	414.9
Architecture	0200	7	27.4	850.3	28.3	2.0	416.4
Biological Sciences	0400	28	25.3	5,350.6	177.7	11.4	466.8
Business & Mgmt	0500	52	36.6	4,421.6	147.4	8.6	511.5
Communication	0600	8	19.1	501.9	16.7	2.0	246.5
Computer/Info Sci	0700	62	27.9	6,629.8	221.0	9.4	704.2
Education	0800	112	48.4	14,842.4	494.7	25.6	580.5
Engin/Indust Tech	0900	66	18.7	5,883.9	196.1	17.4	338.7
Fine/Applied Arts	1000	76	36.0	10,233.3	341.1	20.2	506.1
Foreign Language	1100	23	34.0	3,512.9	117.1	6.6	523.3
Health	1200	52	26.6	5,737.3	191.2	17.0	337.0
Cons/Fam Studies	1300	68	36.0	6,887.0	229.6	11.3	611.9
Humanities	1500	144	30.1	15,017.5	500.6	37.1	404.5
Mathematics	1700	63	44.9	12,112.9	403.8	20.4	592.6
Physical Sciences	1900	32	31.4	5,578.3	185.9	11.1	501.0
Psychology	2000	30	61.1	5,956.5	198.5	7.0	847.1
Public Affairs/Svcs	2100	45	32.6	6,654.4	221.8	7.6	870.5
Social Sciences	2200	124	49.1	18,915.2	630.5	25.7	736.0
Interdisciplinary	4900	195	39.0	14,391.2	479.7	31.1	463.0
Other				582.0	19.4	0.4	
Total		1,217	36.8	147,107.6	4,903.6	279.5	526.2

Source: Bakersfield College, Office of Institutional Research, 2002 fall semester, analysis by Maas Companies

The campuses of Delano, the Northwest, the Southwest, Tehachapi campus and the Weill institute are depicted in the TOP Code format in the table that follows. The composite credit-WSCH generation for these campus centers was 12,787 for the 2002 fall semester. This was approximately 8% of the total WSCH generated at Bakersfield College. Of this amount, the Delano Campus was the strongest of the off-the-main-campus credit-WSCH generators, as it was responsible for producing slightly more than 60% of all credit-WSCH that was not derived from the main campus.

TABLE 6
CURRENT PROGRAM OF INSTRUCTION - BY TOPS
INSTRUCTIONAL DIVISIONS
BAKERSFIELD COLLEGE - CAMPUS CENTERS

TOPS DIVISION	CODE	SEC	SEATS/ SEC	WSCH	FTEs	FTEF	WSCH/ FTEF
Delano Ed Center							
Biological Sciences	0400	2	29	411	14	1.0	432
Computer/Info Sci	0700	3	20	273	9	0.6	429
Education	0800	2	22	69	2	0.2	346
Fine & Applied Arts	1000	3	45	416	14	0.6	694
Foreign Language	1100	1	39	200	7	0.3	607
Health	1200	2	38	234	8	0.4	586
Cons/Family Studies	1300	5	21	355	12	0.8	443
Humanities	1500	11	35	1343	45	2.9	471
Mathematics	1700	5	28	591	20	1.0	614
Physical Sciences	1900	3	49	450	15	0.6	750
Psychology	2000	2	49	299	10	0.4	748
Public Affairs/Svcs	2100	3	27	253	8	0.6	421
Social Sciences	2200	12	41	1514	51	2.2	688
Interdisciplinary	4900	17	23	1313	44	3.5	370
<i>Sub total</i>		<i>71</i>	<i>32</i>	<i>7,720</i>	<i>258</i>	<i>15.1</i>	<i>512</i>
Northwest Campus							
Business & Mgmt	0500	3	24	245	8	0.7	367
Humanities	1500	4	27	386	13	1.1	364
Mathematics	1700	1	31	159	5	0.3	483
Physical Sciences	1900	2	34	206	7	0.4	516
Psychology	2000	1	60	185	6	0.2	926
Social Sciences	2200	1	45	139	5	0.2	693
Interdisciplinary	4900	2	33	152	5	0.3	507
<i>Sub total</i>		<i>14</i>	<i>32</i>	<i>1,471</i>	<i>49</i>	<i>3.2</i>	<i>466</i>
Southwest Campus							
Business & Mgmt	0500	3	31	287	10	0.6	478
Education	0800	2	37	225	8	0.2	1126
Fine & Applied Arts	1000	1	29	90	3	0.2	448
Humanities	1500	3	29	300	10	0.7	451
Mathematics	1700	3	46	714	24	1.0	721
Psychology	2000	1	37	114	4	0.2	571
Social Sciences	2200	3	41	379	13	0.4	949
Interdisciplinary	4900	3	29	133	4	0.3	400
<i>Sub total</i>		<i>19</i>	<i>35</i>	<i>2,243</i>	<i>75</i>	<i>3.6</i>	<i>625</i>
Tehachapi Campus							
Fine & Applied Arts	1000	1	32	99	3	0.2	494
Humanities	1500	1	30	93	3	0.2	463
Psychology	2000	1	30	93	3	0.2	463
Public Affairs/Svcs	2100	1	30	93	3	0.2	463
Interdisciplinary	4900	2	18	20	1	0.1	220
<i>Sub total</i>		<i>6</i>	<i>26</i>	<i>406</i>	<i>14</i>	<i>0.9</i>	<i>436</i>
Weill Institute							
Business & Mgmt	0500	10	26	475	16	1.2	407
Cons/Family Studies	1300	2	20	87	3	0.3	336
Humanities	1500	1	28	115	4	0.3	349
Social Sciences	2200	1	45	139	5	0.2	694
Interdisciplinary	4900	2	33	131	4	0.3	438
<i>Sub total</i>		<i>16</i>	<i>27</i>	<i>947</i>	<i>32</i>	<i>2.3</i>	<i>419</i>
Total		126	31	12,787	426	25.0	511

Source: Bakersfield College, Office of Institutional Research, 2002 fall semester; analysis by Maas Companies

The Existing Facilities Inventory – The Current Space Analysis

The following tables provide a snapshot of the college's existing facilities space inventory. This inventory includes space holdings for both the main campus and the Delano Center. The inventory data was taken from the 2002 Kern Community College District Report 17 ASF/OGSF Summary and Capacities Summary as amended in June 2003. The data is presented in the format (number coding system) used by the state to categorize facilities.

TABLE 7

CURRENT FACILITIES INVENTORY
BAKERSFIELD COLLEGE - KERN COMMUNITY COLLEGE DISTRICT

SPACE CATEGORY	DESCRIPTION	MAIN CAMPUS ASF	DELANO CAMPUS ASF
0	Inactive Area	2,861	0
100	Classroom	56,743	5391
210-235	Laboratory	113,450	931
250-255	Non Class Laboratory	1,367	0
300	Office/Conference	56,557	1395
400	Library	32,449	0
520-525	Phys Education (Indoor)	55,590	0
530-535	Instruct Media (AV/TV)	5,932	0
540-555	Clinic/Demonstration	17,091	925
580	Greenhouse	2,663	0
610-625	Assembly/Exhibition	16,883	0
630-635	Food Service	14,577	0
650-655	Lounge/Lounge Service	4,800	0
660-665	Bookstore	9,978	315
670-690	Meeting /Recreation	10,640	0
710-715	Data Processing/Comp	822	0
720-770	Physical Plant	43,561	576
800	Health Service	1,643	300
	TOTAL ASF	447,607	9,833

Source: Kern Community College District, Space Inventory and Building Facilities Report 17, October 2002 as amended by Bakersfield College in June 2003.

Observations/Conclusions for Bakersfield College

Programmatic Considerations

The prospects for natural growth in the college's overall service area will be mixed. The annual rate of growth will generally be above that of the state, particularly in Greater Bakersfield area where some areas will exceed 2.00% growth annually (north and west of the city). Even with this above

average rate of growth, the college will be challenged to reach its enrollment and WSCH targets for the future. The college will need to capitalize on its curricular strengths and, at the same time attract new learners from the population base in annual growth rates that exceed those for population. The following considerations should receive attention in this regard.

1. Operating at a continued high level of productivity should be a goal for the college in the future. The productivity/efficiency values for Bakersfield College are currently excellent for both the number of seats for class sections offered and the WSCH per full time equivalent faculty.
2. Continued expansion of the developmental education program of instruction, whereby underprepared student can receive both assistance and the basic skills to succeed at the college level, should receive high consideration.
3. Expansion of the program of instruction to the outlying satellite campus centers of Delano and to the north and west of the city of Bakersfield should continue.
4. Expansion of the occupational educational curriculum, via new program/course offerings, particularly those that address the concern for the areas high rates of unemployment and low level of trained or skilled employees, should be encouraged.
5. The college should make a concerted effort to expand the already strong program in the arts— both fine and performing — and in physical education — fitness and wellness programs. Both of these programs offer excellent links to the community. They serve not only the college's "bottom line", relative to WSCH generation, but also double as an important marketing tool for the college.
6. The college should continue, and expand as needed, its hallmark program for general and transfer education programs. This expansion should be consistent with the natural growth of credit-WSCH and enrollment.
7. Attention should be given to the program areas that are projected to have the biggest impact and greatest needs at the college. At present, this would include the growth areas of Humanities, Language Arts, Mathematics and Allied Health. A strong program in the Arts and a growing program in Public Safety should also be included as "growth impact" programs. Additionally, the expansion of technology-based programs (computer information systems/computer science), targeting the information age and leading to

- certificate programs and entry to the job market, should receive significant attention for the future.
8. Presently, the college reaches approximately 8% of its student base through on-line courses. The opportunity to expand this method of instructional delivery for the future should be both encouraged and pursued.
 9. The type of student that attends the college has been stable for the past five years. It can be anticipated that, for at least the period through 2012, a similar type student will select the college as his/her choice for post secondary education. Creative scheduling and the delivery of classes, therefore, will be critical in maintaining this student base. Even though current trends point to increases in the 18-25 year old age group and for student taking slightly higher course loads, almost all students work part-time or full-time in addition to pursuing an education. Creating off-schedule classes (outside of the prime teaching times of morning classes Monday through Thursday) will be most important to maintaining and increasing student enrollment.
 10. The college will need to capitalize on attracting older students to the program, via programs for life-long learners, as this represents not only a major portion of the population base, but one that is also rapidly growing.
 11. Based on the demographic markers, the college will need to provide a more focused emphasis on the basic skills programs, expanding it to include greater access to the core educational elements of English and Mathematics, having it serve as a point of entry for students who are not prepared to perform at the college level, but who could succeed given proper introduction to the community college academic experience.

Physical Plant/Physical Capacity Considerations

The college, at the main campus, is beginning to show its age. This is evident in both the external and internal condition of the buildings, the landscaping, the campus circulation patterns (both vehicular and pedestrian) and in support infrastructure. New space needs for the future will not be as great as the need to bring existing space up-to-date and to make that space more functional. There are also the concerns of correcting the health, safety, seismic, code and access issues that are concerns on the main campus of Bakersfield College. Facilities at the off-the-main-campus sites,

such as the Bakersfield College-Delano Campus, are new and current. The challenge at these off – the-main-campus sites will be to increase WSCH generation and student enrollment consistent with the perceived need for existing and future space. Facility challenges for the college in the future will include the following:

1. Addressing the health/safety, code and access issues.
2. Replacing/upgrading infrastructure source and distribution systems.
3. Bringing forth and implementing a plan that resolves gender equity issues.
4. Providing for the current and future space requirements of both the program of instruction and support services – noting that the key academic growth areas will be for Humanities, Mathematics, Language Arts and Allied Health. Key areas for support services will include Student Services, Administration and Maintenance.
5. Addressing the low building inefficiencies at the college. The current space inventory has a number of buildings with gross to assignable square foot ratios that are under 60%.
6. The capacity load ratios for lecture space on the main campus indicate a significant imbalance relative to available space and the level of facility utilization. Currently, the indicators for this measure show that the college is overbuilt in lecture space by a margin of more than 40%.
7. Balancing instructional needs while, simultaneously, keeping the college in a position of “funding worthiness” with the state. State monies will be needed in tandem with the Measure G funds to actualize the building/facilities program of the future.
8. Addressing off-the-main-campus instructional needs at the outlying campus centers.
9. Technological upgrades/improvements that lead to providing instructional delivery systems that are state-of-the-art quality and that support a state-of-the-art distance education program should be a high priority.
10. Designs for planned construction and/or remodel should adopt, as a guideline, flexibility of use and the capacity for change of function, i.e. accomplished with an eye towards facilitating the conversion of existing spaces to other uses, as the college’s needs change.

Future Prospects of the College

Prospects for Growth

The overall growth rate for the service area is projected to be 1.7%, approximately two-tenths of a percentage point above the state average (1.5%). Population growth is not projected to create a wave that the college can ride over the next sixteen years. For the future, Bakersfield College, will need to attract new (types of) learners to its campuses, in addition to being the beneficiary of natural population increases.

Forecast For Future Growth

Given the population dynamics and trends of the college, credit-WSCH for a given semester has been projected to reach 257,985 by the year 2020. The college's current level of credit-WSCH generation is 159,895 for a semester. This translates to an annual rate of growth for credit-WSCH of 2.69%. Over the next sixteen years, unduplicated credit-enrollment is projected to reach a combined 24,160 at the main campus and the satellite educational centers. The annual growth rate for student enrollment has been projected at 2.71%. Growth, in terms of relative values, will be slower at the main campus and faster at the satellite campus centers. Absolute values for growth, however, will continue to be dominated by the main campus. Overall, unduplicated credit enrollment at the main campus is projected to 17,416 by 2020. The remainder of enrollment growth (6,644) is projected to be at the combined off-the-main-campus satellite centers. These projections do not take into include the addition of a proposed satellite campus in the northwest portion of the District.

Academic Space Needs for the Year 2020

The determination of space needed to support the future academic program of the college has been forecasted for the Bakersfield College main campus and satellite campus centers in the tables that

follow. WSCH (weekly student contact hours) was used as the basis to arrive at these projections. The current program of instruction, characterized as having semester credit-WSCH of 159,895, was used as a "baseline" or foundation for this forecasting process. Overall, the projections indicate a total need of 225,235 assignable square feet (ASF) for academic space (lecture and laboratory space) by the year 2020:

The main campus of Bakersfield College is projected to have the following key characteristics at that time: □ Class Section: 1,629 □ WSCH: 207,846 □ FTES: 6,928.2

TABLE 8
YEAR 2020 ACADEMIC SPACE NEEDS: SEMESTER CREDIT-WSCH OF 207,846
BAKERSFIELD COLLEGE

TOPS DIVISION	TOPS	NET-SEC	LEC ASF	LAB ASF	TOTAL ASF
Agriculture	0100	38	1,202.8	7,106.0	8,308.8
Architecture	0200	10	246.1	1,876.7	2,122.8
Biological Sciences	0400	36	1,112.4	11,220.6	12,333.0
Business & Mgmt	0500	75	2,060.8	2,391.2	4,452.0
Communication	0600	9	186.9	596.2	783.1
Computer/Info Sci	0700	79	2,475.8	6,013.0	8,488.8
Education	0800	152	4,337.2	1,265.4	5,602.6
Engin/Indust Tech	0900	71	1,820.5	15,697.4	17,517.9
Fine & Applied Arts	1000	103	3,278.6	16,731.5	20,010.1
Foreign Language	1100	33	2,464.2	0.0	2,464.2
Health	1200	63	1,059.7	10,732.2	11,791.9
Cons/Family Studies	1300	95	3,576.8	2,144.0	5,717.8
Humanities	1500	196	8,389.8	2,550.9	10,940.7
Mathematics	1700	89	6,219.8	4,142.4	10,362.2
Physical Sciences	1900	42	1,578.1	11,097.9	12,676.0
Psychology	2000	45	3,682.4	0.0	3,682.4
Public Affairs/Svcs	2100	62	2,772.1	6,212.6	8,984.7
Social Sciences	2200	173	11,183.6	0.0	11,183.6
Interdisciplinary	4900	258	5,525.0	18,617.8	24,142.8
Total		1,629	63,170	118,396	181,565

Source: Maas Companies' Projections

* Physical education laboratory space is calculated as a separate item, at different Title 5 criteria apply.

The current off-the-main-campus educational centers of the District are projected to have the following academic profile and space needs (for a given semester) by the year 2020.

□□□ Class Section: 478 □□□ WSCH: 50,093 □□□ FTES: 1669.8

TABLE 9
YEAR 2020 ACADEMIC SPACE NEEDS: SEMESTER CREDIT-WSCH OF 50,093
DELANO & ALL OTHER OFF-SITE EDUCATIONAL CENTERS

TOPS DIVISION	TOPS	NET SEC	LEC ASF	LAB ASF	TOTAL ASF
Delano Campus					
Agriculture	0100	2	35.7	210.8	246.5
Biological Sciences	0400	7	352.4	986	1,338.4
Business & Mgmt	0500	10	309.2	358.8	668.0
Computer/Info Sci	0700	12	299.7	727.9	1,027.6
Education	0800	8	12.6	1796.8	1,809.4
Engin/Indus Tech	0900	1	17.4	150.2	167.6
Fine & Applied Arts	1000	13	399.6	2039.2	2,438.8
Foreign Language	1100	9	582.5	0	582.5
Health	1200	10	449.1	746.7	1,195.8
Cons/Family Studies	1300	13	427.9	383.1	811.0
Humanities	1500	25	1162.9	214	1,376.9
Mathematics	1700	11	540.7	360.1	900.8
Physical Sciences	1900	12	325.7	2290.1	2,615.8
Psychology	2000	6	358.8	0	358.8
Public Affairs	2100	14	457.2	402.4	859.6
Social Sciences	2200	35	1811.9	333.4	2,145.3
Interdisciplinary	4900	48	1334.7	3426.8	4,761.5
Total		236	8,878	14,426	23,304
All Other Centers					
Biological Sciences	0400	6	147	1,089	1,236
Business & Mgmt	0500	31	961	652	1,613
Computer/Info Sci	0700	13	342	411	753
Education	0800	8	19	2,463	2,482
Engin/Indus Tech	0900	0	0	0	0
Fine & Applied Arts	1000	17	585	1,364	1,949
Foreign Language	1100	13	553	195	748
Health	1200	9	321	257	578
Cons/Family Studies	1300	12	295	1,072	1,367
Humanities	1500	22	999	353	1,352
Mathematics	1700	11	575	249	824
Physical Sciences	1900	11	342	1,240	1,582
Psychology	2000	6	372	0	372
Public Affairs	2100	13	486	116	602
Social Sciences	2200	29	1,476	247	1,723
Interdisciplinary	4900	41	1,132	2,055	3,187
Total		242	8,605	11,763	20,368

Source: Maas Companies' Projections

Total Space Needs for the College

An analysis of net assignable square footage for all facilities (i.e. academic and support services) is provided for Bakersfield College in the tables below. Total space needs for all facilities are defined for both the main campus and the outlying campuses/centers. The forecast is pegged to the year 2020 or whenever total credit-WSCH of 257,985 is attained for a given semester.

At the main Bakersfield Campus, when credit-WSCH reaches 207,846, the overall need for academic and support service space is projected to be 440,951 assignable square feet (ASF). While the current space inventory shows assignable square footage of 447,607, the analysis, at a glance, would demonstrate a space surplus for the year 2020. However, in the key areas tracked for funding eligibility by the Chancellor's Office – Lecture Classroom, Laboratory Classroom, Office, Library and Media Instruction spaces - the college shows a combined need of almost 54,000 ASF, 12,000 ASF of which would be for lecture and laboratory purposes. The table that follows provides a synopsis of the space needs for the main campus.

TABLE 10
YEAR 2020 TOTAL SPACE NEEDS: WSCH OF 207,846
BAKERSFIELD COLLEGE – MAIN CAMPUS

SPACE CATEGORY	DESCRIPTION	CURRENT ASF	ASF FOR 2020	+/- ANALYSIS	NEED
000	Inactive	2,861	0	(2,861)	0
100	Classroom	56,743	63,170	6,427	6,427
210-235	Laboratory	113,450	118,396	4,946	4,946
250-255	Non Class Lab	1,367	1,655	288	288
300	Office/Conference	56,557	62,117	5,560	5,560
400	Library	32,449	60,368	27,919	27,919
520-525	Phys Ed (Indoor)	55,590	35,000	(20,590)	0
530-535	(AV/TV)	5,932	14,604	8,672	8,672
540-555	Clinic/Demonstration	17,091	6,966	(10,125)	0
580	Greenhouse	2,663	0	(2,663)	0
610-625	Assembly/Exhibition	16,883	17,416	533	533
630-635	Food Service	14,577	10,450	(4,127)	0
650-655	Lounge/Lounge Svc	4,800	4,642	(158)	0
660-665	Merchandizing	9,978	13,169	3,191	3,191
670-690	Meeting /Recreation	10,640	5,800	(4,840)	0
710-715	Data Process/Comp	822	5,000	4,178	4,178
720-770	Physical Plant	43,561	20,998	(22,563)	0
800	Health Services	1,643	1,200	(443)	0
	Total ASF	447,607	440,951	(6,656)	61,714

Source: Bakersfield College, Kern Community College District, Space Inventory and Building Facilities Report 17, 2002; Maas Companies Projections

The analysis conducted for space needs at the off-the-main-campus centers, i.e. at Delano and the outlying centers within the service area, indicates a need for space that is commensurate with the projected rates of growth for credit-WSCH. At Delano, the projected annual growth rates for WSCH at 6.7% and enrollment at 5.7%, dictate facility needs of 55,524 ASF. This is 45,691 ASF more than is reflected in the current space inventory. Space needs at the Southwest, Northwest and Tehachapi centers and the Weill Institute are projected (in combination) to place a total demand of 53,872 ASF on the District. Almost 20,000 of the assignable square feet required would be solely for academic purposes (i.e. lecture and laboratory space). Space needs for the outlying campus centers are depicted below.

TABLE 11
YEAR 2020 TOTAL SPACE NEEDS: WSCH OF 50,093
DELANO AND "ALL OTHER" CENTERS

SPACE CATEGORY	DESCRIPTION	DELANO CURRENT	DELANO 2020	OTHER CURRENT	OTHER 2020
000	Inactive	-	0	-	0
100	Classroom	5,391	8,878	-	8,605
210-235	Laboratory	931	14,426	-	11,761
250-255	Non Class Lab	-	307	-	334
300	Office/Conference	1,395	8,618	-	7,502
400	Library	-	4,500	-	3,600
520-525	Phys Ed (Indoor)	-	1,200	-	2,400
530-535	(AV/TV)	-	2,400	-	3,600
540-555	Clinic/Demonstration	925	1,293	-	1,404
580	Greenhouse	-	0	-	0
610-625	Assembly/Exhibition	-	3,233	-	3,511
630-635	Food Service	-	2,450	-	2,800
650-655	Lounge/Lounge Svc	-	598	-	521
660-665	Merchandizing	315	2,200	-	2,400
670-690	Meeting /Recreation	-	1,077	-	1,169
710-715	Data Process/Comp	-	850	-	850
720-770	Physical Plant	576	2,644	-	2,565
800	Health Services	300	850	-	850
	Total ASF	9,833	55,524	0	53,872

Source: Bakersfield College, Kern Community College District, Space Inventory and Building Facilities Report 17, 2002; Maas Companies Projections

Stockdale Educational Center

Space needs for a new educational center have also been defined. This new center is projected to be located in an area (the exact site of which is yet to be determined) that is west of Allen Road and north of the Stockdale Highway. For purposes of this Plan, reference is made to this new center as the "Stockdale Educational Center".

Demographic markers indicate that this area will have annual population growth rates that range between 2.35% and 2.65%, the fastest growing of the greater Bakersfield area. Service area radii used for the proposed site indicate the core population as being within a three-mile radius, but expanding out to a five-mile service radius area – this latter area being defined as the "effective service area". The population of this area is projected to reach 95,167 by the year 2010 and exceed 120,000 by the year 2020. The key demographic markers for this area are included in synopsis form in the table that follows.

TABLE 12
PROPOSED STOCKDALE EDUCATIONAL CENTER
KEY DEMOGRAPHIC MARKERS

DEMOGRAPHIC ELEMENT	5-MILE SERVICE AREA	STATE	NATIONAL
Rate Population Growth	2.35%	1.50%	1.18%
Rate Household Growth	2.25%	1.49%	1.37%
Rate Median Household \$ Growth	3.17%	3.36%	3.11%
Med. Household Income	\$66,727	-	-
Per Capital Income	29,177	-	-
Median Age	33.8	-	-
Dominant Age Segment	45-64 years (26.7%)	-	-
Race/Ethnicity	79.4% White 17.2% Hispanic	-	-

Source: ESRI/BIS Marketing and Demographic database, Maas Companies analysis

Key characteristics of the center include a student enrollment of 1,500 students, credit-WSCH generation of 6,925 and FTES of 460 for a given semester at opening (estimated to be between 2010 and 2015). Viewed from a 2020 perspective (the space requirements and building scale target), the center would have a projected semester profile of 2,203 students with 13,174 credit-WSCH and full academic year FTES of 878.

Space requirements are projected in the tables that follow. These projections have been made in the TOP Code instructional division format. The overall space/facility requirements translate to a need for 11,169 ASF to meet the academic needs (lecture and laboratory space) and a total need of 27,556 ASF.

TABLE 13
YEAR 2020 PROPOSED STOCKDALE EDUCATIONAL CENTER
ACADEMIC SPACE REQUIRED FOR 13,174 CREDIT-WSCH

TOPS DIVISION	CODE	SEC	WSCH	FTES	LEC ASF	LAB ASF	TOT ASF
Biological Sciences	0400	4	480.0	16.0	82.4	671.0	753.4
Business & Mgmt	0500	20	1,448.0	48.3	521.9	296.3	818.2
Computer/Info. Sci	0700	11	836.0	27.9	161.4	710.6	872.0
Education/PE	0800	6	516.0	17.2	113.3	824.0	937.3
Fine and Applied Arts	1000	6	488.0	16.3	148.3	366.0	514.3
Foreign Language	1100	5	490.0	16.3	140.8	242.6	383.4
Cons.Ed/Home Econ	1300	7	553.0	18.4	213.5	83.0	296.5
Humanities	1500	31	2,575.0	85.8	997.1	376.2	1,373.3
Mathematics	1700	24	2,632.0	87.7	974.2	928.3	1,902.5
Physical Science	1900	2	220.0	7.3	69.0	152.3	221.3
Psychology	2000	4	356.0	11.9	152.7	0.0	152.7
Social Science	2200	12	1,254.0	41.8	538.0	0.0	538.0
Interdisc Studies	4900	17	1,326.0	44.2	200.8	2,205.1	2,405.9
TOTAL ASF		149	13,174	439.1	4,313	6,855	11,169

Source: Maas Company Projections

TABLE 14
PROPOSED STOCKDALE EDUCATIONAL CENTER
YEAR 2020 TOTAL SPACE REQUIRED FOR 13,174 CREDIT-WSCH

SPACE CATEGORY	DESCRIPTION	CURRENT ASF	ASF FOR 2020	+/- ANALYSIS	NEED
000	Inactive	0	-	-	-
100	Classroom	0	4,313	4,313	4,313
210-235	Laboratory	0	6,855	6,855	6,855
250-255	Non Class Lab	0	209	209	209
300	Office/Conference	0	4,176	4,176	4,176
400	Library	0	1,800	1,800	1,800
520-525	Phys Ed (Indoor)	0	1,200	1,200	1,200
530-535	(AV/TV)	0	800	800	800
540-555	Clinic/Demonstration	0	2,203	2,203	2,203
610-625	Assembly/Exhibition	0	850	850	850
630-635	Food Service	0	350	350	350
650-655	Lounge/Lounge Serv	0	850	850	850
660-665	Merchandizing	0	650	650	650
670-690	Meeting /Recreation	0	650	650	650
710-715	Data Process/Comp	0	450	450	450
720-770	Physical Plant	0	2,200	2,200	2,200
800	Health Services	0	0	0	0
	Total ASF	0	27,556	27,556	27,556

Source: Maas Company Projections

Consideration by the District should also be given to the creation of an additional satellite educational center for the greater Bakersfield area. While the demographics do not presently support this need, the rapidly changing nature of the area may support such a center after the year 2015. The area that is to the south and west of Bakersfield offers the best possibility for consideration. The data analyzed suggests that a new wave of Southern California residents, many of whom will commute back to Los Angeles for their livelihood; will call Bakersfield their home in the future. The District may wish to consider a placeholder for property in this southwest sector for the future. Because a center of this nature would be an economic driver for new development, it would be the recommendation of the consultant team that the District secure a land donation, working in concert with area landholders, as opposed to an outright purchase of land. The District may wish to earmark funds at this time for future plans and drawings as well as a sum for infrastructure development. If so, this amount would not be projected to exceed \$3,000,000.

The Building/Facilities Program

The college's Building/Facilities Program will fall into one of three categories:

1. New construction to meet new demand
2. Renovation/remodel for greater efficiency
3. Reconstruction to replace existing structures

Because the college at the main campus has a space inventory that currently (and, in some cases, for the future) reflects a surplus, the majority of the building program will focus on remodel and renovation. However, a significant amount of new construction and reconstructed space will also take place. A great amount of attention will need to be focused on the replacement and upgrading of the College's 50 year old infrastructure system as well as on addressing health/safety, handicapped access, seismic concerns, and code compliance issues. Attention will also need to be placed on the development of the college's off-the-main-campus facilities – both existing and proposed.

Based on the analysis conducted, the input received from administrators, faculty and staff of the college, the following building/facility projects, outlined by type, surfaced as top considerations for the college's building/facilities program.

■ **NOW Projects (in progress and/or presently scheduled within the year)**

New construction, remodeling and/or upgrading that will address the following:

- ☞ Applied Science and Technology Bldg (Remodel)
- ☞ Auto Technology Bldg (Remodel)
- ☞ Planetarium (Upgrade/Expansion)
- ☞ Emergency Telephones (Acquisition/System Upgrade)
- ☞ Delano Center – Science Ctr (New Construction)

■ **Academic Projects**

Address, through new construction/reconstruction or remodel, the following:

- ☞ Humanities Bldg New (New Construction)
- ☞ Delano Ctr – Library/Multipurpose Bldg (New Construction)
- ☞ Speech-Arts-Music Bldg (Remodel)
- ☞ Ag Tech Ctr (Reconstruction/Expansion)

- ☞ Allied Health Bldg (New Construction)
- ☞ Fitness/Wellness Center (New Construction)
- ☞ Language Arts Bldg (Remodel)
- ☞ Fine Arts Bldg (Remodel)
- ☞ Business/CIS Bldg (Remodel)
- ☞ Stockdale Education Ctr (Land Acquisition – Donation)
- ☞ Math/Science Bldg (Remodel)
- ☞ Science/Engineering (Remodel)
- ☞ Gymnasium (Remodel)
- ☞ Public Safety Facility (New Construction)
- ☞ Child Development Ctr (New Construction)
- ☞ Family and Consumer Education Bldg (Remodel)
- ☞ Lecture Forum Bldg (Remodel)
- ☞ Stockdale Education Ctr (New Construction)
- ☞ Horticulture Lab (Remodel)

■ **Support Services**

Address through new construction/ reconstruction or remodel the following:

- ☞ Student Services Bldg (Remodel)
- ☞ Campus Center (Remodel)
- ☞ Administration (Remodel)
- ☞ Library/LRC Bldg (Support Upgrades)
- ☞ Levinson Hall (Remodel/Reuse for Maintenance Functions)
- ☞ Bookstore (Remodel)
- ☞ Finlinson Ctr (Remodel)
- ☞ Athletic Fields Facilities - Bathrooms (New Construction)

■ **Backbone Infrastructure**

Address through reconstruction and/or upgrade the utility infrastructure systems at the college including the following:

- ☞ Campus-wide health/safety, infrastructure, handicapped access, code compliance issues (Upgrades/Retrofits)

- ☞ Gas, electric, water, sewer, storm drainage (Distribution Upgrades)
- ☞ Telecommunications (Upgrades)

■ **Support Infrastructure**

- ☞ Address the needed for support infrastructure including the following:
 - ☞ Campus ingress/egress circulation (New Construction)
 - ☞ Improved on-campus surface parking and improved vehicular traffic flows (Renovation/Remodel)
 - ☞ HVAC and ventilation (Upgrades/Retrofits)
 - ☞ Pedestrian circulation and signage (Upgrade)
 - ☞ All Other – e.g. landscaping, lighting, etc (Upgrade/Remodel)
 - ☞ Athletic fields (Upgrade/Renovation)