2019-23 FIVE YEAR CAPITAL OUTLAY PLAN (2019-20 FIRST FUNDING YEAR)

Prepared in reference to the Community College Construction Act of 1980
and
approved on behalf of the local governing board for submission to
the office of the Chancellor, California Community Colleges

Signed

Dr. Eva Bagg
(Chief Executive Officer
or their designee)

Title

President

Date

8/17/28/7

Contact Person
Dr. Brenda Findley

Telephone (760) 252-2411

Date Received at Chancellor's Office

Chancellor's Office reviewed by

Notice of Approval

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Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Inventory of Land	
	Barstow CCD	Page 3

List the address and acreage of every land unit owned by the district (Education Code 81821(e)). Please identify all locations, both on-campus and off-campus, grouped according to their "parent" institution. In the event the list is long or complicated, please substitute copies of college bulletins or other notices to the public which display similar information. The list should be current as of October the prior year

Address	Acreage
Barstow College	16.0
2700 Barstow Road	
Barstow, CA 92311	

	Legislative Districts					
Campus	Assembly	Senate	House			
Barstow College	33	18	8			

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Instructional Delivery Locations	
	Barstow CCD	Page 4
Address		

Barstow College 2700 Barstow Road Barstow, CA 92311

Ft. Irwin CNTC Attn: AFSJ-CPH-E Ft. Irwin, CA 92310

MCLB (B200-3) Education Bldg, Bldg 30 Barstow, CA 92311

Career Tech Ed 1501 State St Barstow, Ca 92311 Calif. Comm. Colleges

Five Year Construction Plan District Projects Priority Order

8/10/2017

Barstow CCD

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No.	Project	Occupancy				Sc	hedule of Fun	ds		
	ASF	Total Cost	Source	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024
1	Career Tec 10,779	chnology Center 2025/2026 \$17,350,000 \$1,734,000	State NonState	Barstow Colleg	•			(P) \$370,000 \$41,000	(W) \$709,000 \$79,000	
2	Classroom	/Lab Building/Art 2025/2026	Expansion	Barstow College	e					
3	Student Se	ervices 2025/2026		Barstow College	е					
4	Administra	ition/Hall of Fame 2026/2027	C Store	Barstow College	е					
5	Cosmetolo	gy Renovation/Ex 2026/2027	pansion	Barstow College	e					

Barstow CCD				
			***	Page
1 1				
2019/2020 2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
	2019/2020 2020/2021	2019/2020 2020/2021 2021/2022	2019/2020 2020/2021 2021/2022 2022/2023	2019/2020 2020/2021 2021/2022 2022/2023 2023/2024

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Lecture Actual*/Projected WSCH	31,119	33,155	35,437	37,618	39,880	40,668	41,468
13,572 Cumulative Capacity	28,693	28,693	28,693	28,693	28,693	28,693	28,693
Canacity/i oad Ratio	02%	R706	8194	7604	72%	7196	60%

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	District Laboratory Capacity/Load Ratios	
	Barstow CCD	Page 7

No. Project					<u> </u>	ĭ	T	1
Lab ASF WS	CH Occupancy	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/20
1 Career Technology	Center							

Career Technology Center 13,256 3,817 2025/2026 Barstow College

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Laboratory Actual*/Projected WSCH	9,008	9,598	10,258	10,890	11,544	11,772	12,004
20,334 Cumulative Capacity	8,059	8,059	8,059	8,059	8,059	8,059	8,059
Capacity/Load Ratio	89%	84%	79%	74%	70%	68%	67%

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	District Office Capacity/Load Ratios	
	Barstow CCD	Page 8

l Project I		I				
Off ASF FTE Occupancy 20	2018/2019 2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025

1 Career Technology Center 639 5 2025/2026 Barstow College

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Office Actual*/Projected FTE	146	159	170	176	183	189	196
16,863 Cumulative Capacity	120	120	120	120	120	120	120
Capacity/Load Ratio	83%	76%	71%	68%	66%	64%	61%

Calif. Comm. Colleges		Five Year Construction Plan District Library Capacity/Load Ratios						
		Barstow CCD						
No. Project							[
Lib ASF Occupa	ncy 2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Library Actual*/Projected ASF	13,630	13,822	14,021	14,220	14,427	14,638	14,852
18,619 Cumulative Capacity	18,619	18,619	18,619	18,619	18,619	18,619	18,619
Capacity/Load Ratio	137%	135%	133%	131%	129%	127%	125%

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	District AV/TV Capacity/Load Ratios	
	Barstow CCD	Page 10

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No.	Project									
		AVTV	Occupancy	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
		ASF								

		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
AV/TV	Actual*/Projected ASF	7,352	7,427	7,505	7,583	7,664	7,747	7,831
846	Cumulative Capacity	846	846	846	846	846	846	846
	Capacity/Load Ratio	12%	11%	11%	11%	11%	11%	11%

Calif. Comm. Colleges

Five Year Construction Plan

Load Distribution and Staff Forecast

Barstow CCD

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District Load DistributionReference: Chancellor's Office Forecast

	Instructional Staff FTE	Total Campus WSCH	Off-Campus WSCH	On-Campus WSCH	P.E. Laboratory WSCH	On-Campus Lecture WSCH	On-Campus Laboratory WSCH
Actual Fall							
2015	117	33,930	679	33,251	665	19,286	13,301
2016	127	36,386	728	35,658	713	23,763	11,182
Forecast							
2017	137	38,936	779	38,157	763	28,420	8,975
2018	146	41,570	624	40,946	819	31,119	9,008
2019	159	44,290	664	43,626	873	33,155	9,598
2020	170	47,099	471	46,628	933	35,437	10,258
2021	176	49,998	500	49,498	990	37,618	10,890
2022	183	53,004	530	52,474	1,049	39,880	11,544
2023	189	54,051	541	53,510	1,070	40,668	11,772

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Load Distribution and Staff Forecast	
	Barstow CCD	Page 12

Instructional Load by Campus or Location Reference: Chancellor's Office Forecast

WSCH Distributed to Campuses or Other Locations

	L	Actual					Projected			
Campus	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Barstow Coll	ege 35,466	33,930	36,386	38,936	41,570	44,290	47,099	49,998	53,004	54,051
Total	35,466	33,930	36,386	38,936	41,570	44,290	47,099	49,998	53,004	54,051

Calif. Comm. Colleges

Five Year Construction Plan **Load Distribution and Staff Forecast**

8/10/2017

Barstow CCD

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Total District Library Load
Reference: Chancellor's Office Forecast of Day-Graded Enrollment

(a)	Total Day- Graded (b)	Number of Campuses (c)	Initial ASF (3,795/Camp) (d)	First 3,000 Day Graded (3.83/DG) (e)	Between 3k - 9k (3.39/DG) (f)	Above 9,000 (2.94/DG) (g)	Total ASF (d+e+f+g)
2017/2018	2,518	1	3,795	9,644			13,439
2018/2019	2,568	1	3,795	9,835			13,630
2019/2020	2,618	1	3,795	10,027			13,822
2020/2021	2,670	1	3,795	10,226			14,021
2021/2022	2,722	1	3,795	10,425			14,220
2022/2023	2,776	1	3,795	10,632			14,427
2023/2024	2,831	1	3,795	10,843			14,638

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Load Distribution and Staff Forecast	
	Barstow CCD	Page 14

Library Load by Campus or Location Reference: Chancellor's Office Forecast of Day-Graded Enrollment

Campus	2017	2018	2019	2020	2021	2022	2023
Barstow College	13,439 (100%)	13,630 (100%)	13,822 (100%)	14,021 (100%)	14,220 (100%)	14,427 (100%)	14,638 (100%)
Total	13,439	13,630	13,822	14,021	14,220	14,427	14,638

Calif. Comm. Colleges

Five Year Construction Plan

8/10/2017

Load Distribution and Staff Forecast

Barstow CCD

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Total District AV, Radio, TV Load
Reference: Chancellor's Office Forecast of Day-Graded Enrollment

(a)	Total Day- Graded (b)	Number of Campuses (c)	Initial ASF (3,500/Camp) (d)	First 3,000 Day Graded (1.50/DG) (e)	Between 3k - 9k (0.75/DG) (f)	Above 9,000 (0.25/DG) (g)	Total ASF (d+e+f+g)
2017/2018	2,518	1	3,500	3,777			7,277
2018/2019	2,568	1	3,500	3,852			7,352
2019/2020	2,618	1	3,500	3,927			7,427
2020/2021	2,670	1	3,500	4,005			7,505
2021/2022	2,722	1	3,500	4,083			7,583
2022/2023	2,776	1	3,500	4,164			7,664
2023/2024	2,831	1	3,500	4,247			7,747

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Load Distribution and Staff Forecast	, ,
	Barstow CCD	Page 16

AV, Radio, TV Load by Campus or Location Reference: Chancellor's Office Forecast of Day-Graded Enrollment

Campus	2017	2018	2019	2020	2021	2022	2023
Barstow College	7,277 (100%)	7,352 (100%)	7,427 (100%)	7,505 (100%)	7,583 (100%)	7,664 (100%)	7,747 (100%)
Total	7,277	7,352	7,427	7,505	7,583	7,664	7,747

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Barstow College						
Barstow College						
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19/2020 2020/2021	2021/2022	2022/2023	2023/2024	2024/2025		
	19/2020 2020/2021	19/2020 2020/2021 2021/2022	19/2020 2020/2021 2021/2022 2022/2023	19/2020 2020/2021 2021/2022 2022/2023 2023/2024		

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Lecture Actual*/Projected WSCH 13,572 Cumulative Capacity	31,119	33,155	35,437	37,618	39,880	40,668	41,468
Capacity/Load Ratio	28,693 92%	28,693 87%	28,693 81%	28,693 76%	28,693 72%	28,693 71%	28,693 69%
Capacity/ Load Hatio	32.70	07 70	0170	7070	/270	/170	09%

Calif. Comm. Colleges			8/10/2017					
		Campus Laboratory Capacity/Load Ratios Barstow College						Page :
No. Project Lab ASF WSCH Occu	nancy 201	18/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025

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		2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Laboratory	Actual*/Projected WSCH	9,008	9,598	10,258	10,890	11,544	11,772	12,004
20,334	Cumulative Capacity	8,059	8,059	8,059	8,059	8,059	8,059	8,059
	Capacity/Load Ratio	89%	84%	79%	74%	70%	68%	67%

Calif. Comm. Colleges Five Year Construction Plan							8/10/2017	
		Campus Office Capacity/Load Ratios						
	Barstow College							
No. Project								
Off ASF FTE Occupan	cy 2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	

1 Career Technology Center 639 5 2025/2026 Barstow College

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Office Actual*/Projected FTE	145	159	170	176	183	189	196
16,863 Cumulative Capacity	120	120	120	120	120	120	120
Capacity/Load Ratio	83%	76%	71%	68%	66%	64%	61%

Calif. Comm. Colleges		8/10/2017						
		Campus Library Capacity/Load Ratios Barstow College						
			-					
No. Project Lib ASF Occupancy	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025	

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
Library Actual*/Projected ASF	13,630	13,822	14,021	14,220	14,427	14,638	14,852
18,619 Cumulative Capacity	18,619	18,619	18,619	18,619	18,619	18,619	18,619
Capacity/Load Ratio	137%	135%	133%	131%	129%	127%	125%

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Campus AV/TV Capacity/Load Ratios	
	Barstow College	Page 22

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AVTV Occupancy 2018/2019 2019/2020 2020/2021 2021/2022 2022/2023 2023/2024 2024/2025 ASF	No	. Project								
			ACE	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025

	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023	2023/2024	2024/2025
AV/TV Actual*/Projected ASF	7,352	7,427	7,505	7,583	7,664	7,747	7,831
846 Cumulative Capacity	846	846	846	846	846	846	846
Capacity/Load Ratio	12%	11%	11%	11%	11%	11%	11%

Calif. Comm. Colleges

Five Year Construction Plan **Load Distribution and Staff Forecast**

8/10/2017

Barstow College

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Campus Load Distribution
Reference: Chancellor's Office Forecast

	Instructional Staff FTE	Total Campus WSCH	Off-Campus WSCH	On-Campus WSCH	P.E. Laboratory WSCH	On-Campus Lecture WSCH	On-Campus Laboratory WSCH
Actual Fall							
2015	117	33,930	679	33,251	665	19,286	13,301
2016	127	36,386	728	35,658	713	23,763	11,182
Forecast							
2017	137	38,936	779	38,157	763	28,420	8,975
2018	146	41,570	624	40,946	819	31,119	9,008
2019	159	44,290	664	43,626	873	33,155	9,598
2020	170	47,099	471	46,628	933	35,437	10,258
2021	176	49,998	500	49,498	990	37,618	10,890
2022	183	53,004	530	52,474	1,049	39,880	11,544
2023	189	54,051	541	53,510	1,070	40,668	11,772

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Load Distribution and Staff Forecast	
	Barstow College	Page 24

(a)	Total Certificated Instructional and Statutory Staff FTE (b)	Non-Instructional Portion of FTE (c)	Net Total Instructional and Statutory Staff FTE (b-c) (d)
Instructors	127.0		127.0
Counselors Include certificated special program coordinators, economic opportunity program, coordinators, statutory			
and Title 5 required staff, et. al.	7.0		7.0
Department Administrators	3.0		3.0
Librarians Include certificated director of audio/visual, et. al.	3.0	3.0	
Institutional Administrators Include certificated persons with responsibilities covering the entire institution, such as Superintendent, Assistant Superintendent, President, Dean of Instruction, Director of Data Processing, et. al.	3.0	3.0	
or baca i roccoonig, ca an	5.0	5.0	
Fall 2017 Totals	143.0	6.0	137.0

Column (b) is the total number of Column (a) distributed to categories

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Load Distribution and Staff Forecast	
	Barstow College	Page 25

(a)	Total Certificated Instructional and Statutory Staff FTE (b)	Non-Instructional Portion of FTE (c)	Net Total Instructional and Statutory Staff FTE (b-c) (d)
Instructors	136.0		136.0
Counselors Include certificated special program coordinators, economic opportunity program, coordinators, statutory			
and Title 5 required staff, et. al.	7.0		7.0
Department Administrators	3.0		3.0
Librarians Include certificated director of audio/visual, et. al.	3.0	3.0	
Institutional Administrators Include certificated persons with responsibilities covering the entire institution, such as Superintendent, Assistant Superintendent, President, Dean of Instruction, Director			
of Data Processing, et. al.	3.0	3.0	
Fall 2018 Totals	152.0	6.0	146.0

Column (b) is the total number of Column (a) distributed to categories

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017				
Load Distribution and Staff Forecast						
	Barstow College	Page 26				

(a)	Total Certificated Instructional and Statutory Staff FTE (b)	Non-Instructional Portion of FTE (c)	Net Total Instructional and Statutory Staff FTE (b-c) (d)
Instructors	147.0		147.0
Counselors Include certificated special program coordinators, economic opportunity program, coordinators, statutory	2.0		0.0
and Title 5 required staff, et. al.	8.0		8.0
Department Administrators	4.0		4.0
Librarians Include certificated director of audio/visual, et. al.	4.0	4.0	
Institutional Administrators Include certificated persons with responsibilities covering the entire institution, such as Superintendent, Assistant Superintendent, President, Dean of Instruction, Director of Data Processing, et. al.	3.0	3.0	
Fall 2019 Totals	166.0	7.0	159.0

Column (b) is the total number of Column (a) distributed to categories

Calif. Comm. Colleges	Five Year	Construction Plan		8/10/2017		
	Load Distribut	tion and Staff Forecas	t	Page 27		
	Barstow College					
Campus Worksheet for Computing FTE College Instructional Staff, Fall Term. Included are all certi	Instruction Stat	ff				
extended day, and adult education except those whose offi		j.				
(a)		Total Certificated Instructional and Statutory Staff FTE (b)	Non-Instructional Portion of FTE (c)	Net Total Instructional and Statutory Staff FTE (b-c) (d)		
Instructors		158.0		158.0		
Instructors		156.0		136.0		
Counselors Include certificated special program coord economic opportunity program, coordinat and Title 5 required staff, et. al.		8.0		8.0		
Department Administrators		4.0		4.0		
Librarians Include certificated director of audio/visua	al, et. al.	4.0	4.0			
Institutional Administrators Include certificated persons with responsi the entire institution, such as Superintence Superintendent, President, Dean of Instru of Data Processing, et. al.	lent, Assistant	3.0	3.0			
5.						
Fa	all 2020 Totals	177.0	7.0	170.0		

Column (b) is the total number of Column (a) distributed to categories

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Load Distribution and Staff Forecast	
	Barstow College	Page 28

Campus	Worksheet	for Computing	FTE Instruction	Staff

College Instructional Staff, Fall Term. Included are all certificated staff for day, extended day, and adult education except those whose office is located off-campus.

(a)	Total Certificated Instructional and Statutory Staff FTE (b)	Non-Instructional Portion of FTE (c)	Net Total Instructional and Statutory Staff FTE (b-c) (d)
Instructors	164.0		164.0
Counselors Include certificated special program coordinators, economic opportunity program, coordinators, statutory	0.0		
and Title 5 required staff, et. al.	8.0		8.0
Department Administrators	4.0		4.0
Librarians Include certificated director of audio/visual, et. al.	4.0	4.0	
Institutional Administrators Include certificated persons with responsibilities covering the entire institution, such as Superintendent, Assistant Superintendent, President, Dean of Instruction, Director of Data Processing, et. al.	3.0	3.0	
Fall 2021 Totals	183.0	7.0	176.0

Column (b) is the total number of Column (a) distributed to categories

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017				
Load Distribution and Staff Forecast						
	Barstow College	Page 29				

Campus Worksheet fo	Computing FT	E Instruction Staff
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College Instructional Staff, Fall Term. Included are all certificated staff for day, extended day, and adult education except those whose office is located off-campus.

(a)	Total Certificated Instructional and Statutory Staff FTE (b)	Non-Instructional Portion of FTE (c)	Net Total Instructional and Statutory Staff FTE (b-c) (d)
Instructors	171.0		171.0
Counselors Include certificated special program coordinators, economic opportunity program, coordinators, statutory			
and Title 5 required staff, et. al.	8.0		8.0
Department Administrators	4.0		4.0
Librarians Include certificated director of audio/visual, et. al.	4.0	4.0	
Institutional Administrators Include certificated persons with responsibilities covering the entire institution, such as Superintendent, Assistant Superintendent, President, Dean of Instruction, Director of Data Processing, et. al.	3.0	3.0	
Fall 2022 Totals	190.0	7.0	183.0

Column (b) is the total number of Column (a) distributed to categories

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Barstow College	Page 30

(a)	Total Certificated Instructional and Statutory Staff FTE (b)	Non-Instructional Portion of FTE (c)	Net Total Instructional and Statutory Staff FTE (b-c) (d)
Instructors	177.0		177.0
Counselors Include certificated special program coordinators, economic opportunity program, coordinators, statutory and Title 5 required staff, et. al.	9.0		0.0
and Title 5 required stair, et. al.	8.0		8.0
Department Administrators	4.0		4.0
Librarians Include certificated director of audio/visual, et. al.	4.0	4.0	
Institutional Administrators Include certificated persons with responsibilities covering the entire institution, such as Superintendent, Assistant Superintendent, President, Dean of Instruction, Director of Data Processing, et. al.	3.0	3.0	
Fall 2023 Totals	196.0	7.0	189.0

Column (b) is the total number of Column (a) distributed to categories

Calif. Comm. Colleges
Five Year Construction Plan

Cum Sum of Existing and Proposed Space, 2018 - 2024

Barstow College
Page 31

Cumulative Summary of Existing and Proposed Areas, 2018-2024

Priority and					AV Radio					
Year of	Classroom	Laboratory	Office	Library	TV	P.E.	Assembly	Inactive	All Other	
Occupancy	100's	200's	300's	400's	530 - 535	520 - 525	610 - 625	050 - 070	Areas	Total ASF
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Total ASF	13,572	20,334	16,863	18,619	846	36,098	26,619	8,866	33,002	174,819

8/10/2017	Five Year Construction Plan	Calif. Comm. Colleges
	Capacity of Net Existing On-Campus ASF	
Page 32	Barstow College	

Classrooms, Classroom Service (Room Type 100's)		Net ASF	ASF/100 WSCH	Capacity WSCH
	Totals	13,572	47.3	28,693

Laboratories and Laboratory Service Areas (Room Types 210, 215, 220, 225, 230, 235, 255)

TOP Code/Description	Net ASF	ASF/100 WSCH	Capacity WSCH	TOP Code/Description	Net ASF	ASF/100 WSCH	Capacity WSCH
0100 Agriculture and Natural Resources		492		0956 Manufacturing and Industrial Technology	1,301	385	338
0116 Agricultural Power Equipment Technology		856		1000 Fine and Applied Arts	4,622	257	1,798
0200 Architecture and Related Technologies		257		1100 Foreign Language		150	
0300 Environmental Sciences and Technologies		235		1200 Health		214	
0400 Biological Sciences	2,106	235	896	1300 Family and Consumer Sciences		257	
0500 Business and Management	1,400	128	1,094	1400 Law		150	
0600 Media and Communications		214		1500 Humanities (Letters)	616	150	411
0700 Information Technology	1,367	171	799	1600 Library Science		150	
0800 Education		321		1700 Mathematics		150	
0900 Engineering & Industrial Technologies	1,851	321	577	1800 Military Studies		214	
0945 Industrial Systems Technology and Mainte		556		1900 Physical Sciences	1,477	257	575
0946 Environmental Control Technology (HVAC)		556		2000 Psychology		150	
0947 Diesel Technology	2,975	856	348	2100 Public and Protective Services		214	
0948 Automotive Technology		856		2200 Social Sciences		150	
0949 Automotive Collison Repair		856		3000 Commercial Services	2,619	214	1,224
0950 Aeronautical and Aviation Technology		749		4900 Interdisciplinary Studies		257	
0952 Construction Crafts Technology		749					
						-	
				Totals	20,334		8,059
				Campus Avg Lab ASF/100 WSCH		252	

Office and Office Service Areas (Room Type 300's)		Net ASF	ASF per FTE	Capacity FTE
	Totals	16,863	140	120

Calif. Comm. Colleges	Five Year (8/10/2017	
	Project In Barst	Page 33	
District Priority :	1 Career Technology Co	enter	
Project Type:	☐ Site Acquisition		☐ Reconstruction
	☐ Replacement	☐ Infrastructure	□ Equipment
Total Estimated Costs:	\$19,084,000		
Anticipated Source(s) of Funds :	State and Non-State		
Type of construction:			
Seismic Retrofit :			
If Existing - Age:			
If Existing - Condition:			

Anticipated Time Schedule

	Land Acquisition	Preliminary Plans	Working Drawing	Construction	Equipment	Occupancy
Year		2021/2022	2022/2023	2024/2025	2024/2025	2025/2026
Estimated Cost		\$411,000	\$788,000	\$16,426,000	\$1,459,000	

Explain why this project is needed:

This project will bring the CTE program onto the campus. It is currently in rented facilities at an off campus site. This project will permit the college to save significant funds in rental fees and permit the facilities to be state of the art for community college instruction. In addition, the project supports the Facilities Master Plan for the campus development.

Calif. Comm. Colleges	Five Year Construction Plan	8/10/2017
	Project Intent And Scope	
	Barstow College	Page 34

District Priority No.: 1 Career Technology Center

Outline of Project Space - Buildings and Remodeli	ngs
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	Classroom Type 100's	Laboratory 210 - 255	Office Type 300's	Library Type 400's	AV - TV 530 - 535	All Other	Total ASF
Project Primary	4,200	20,300	1,425			550	26,475
Project Secondary	-2,656	-7,044	-786			-5,210	-15,696
Project Net ASF	1,544	13,256	639			-4,660	10,779

Project Net Capacity

	Classroom Totals	1,544	47.3	3.264
Classrooms, Classroom Service (Room Type 100's)		ASF	WSCH	WSCH
		Net	ASF/100	Capacity

Laboratories and Laboratory Service Areas (Room Types 210, 215, 220, 225, 230, 235, 255)

Primary Effe	ct			Secondary Eff	ect		
TOP Code/Description	Net ASF	ASF/100 WSCH	Capacity WSCH	TOP Code/Description	Net ASF	ASF/100 WSCH	Capacity WSCH
0700 Information Technology, General	3,000	171	1,754				
0900 Electronics and Electric Technology	3,000	321	935	0900 Electronics and Electric Technology	-1,851	321	-577
0945 Industrial Systems Technology and Mai	2,500	556	450	,	-,		
0948 Automotive Technology	7,000	856	818	0948 Automotive Technology	-2,975	856	-348
0956 Manufacturing and Industrial Technolo	3,000	385	779	0956 Manufacturing and Industrial Technolo	-1,301	385	-338
1000 Fine Arts, General	1,800	257	700	1000 Fine Arts, General	-917	257	-357
				Laboratory Totals	13,256		3.817

Office and Office Service Areas (Room Type 300's)		Net ASF	ASF per FTE	Capacity FTE
	Office Totals	639	140	4.56

Calif. Comm. Colleges		Year Construction Plan	•		8/10/2017
	Proje	ct Intent And Scop	e		
		Barstow College			Page 35
District Priority:	2 Classroom/Lab B	uilding/Art Expar	nsion		
Project Type :	:		uction		
	☐ Replacement	☐ Infras	structure	☐ Equipment	
Total Estimated Costs:					
Anticipated Source(s) of Funds:	State				
Type of construction:					
Seismic Retrofit :					
If Existing - Age:					
If Existing - Condition:					
Anticipated Time Schedule					
Land Acqui	sition Preliminary Plans	Working Drawing	Construction	Equipment	Occupancy
Year					2025/2026

Explain why this project is needed:

Estimated Cost

The proposed project replaces the existing outdated and undersized science lans in building T as well as outsized classrooms and labs in Buildings B and S. Thi project requires the demolition of Building Sprior to construction

8								
Calif. Comm. Colleges		Five Veer	Construction P	lan			Ω.	10/
Caiii. Coiiiiii. Coileges			tent And Sco				0/	10/
		_	tow College	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Pag
District Priority No.:	2 Classroom/Lab E	Building/Art E	xpansion					
Outline of Project Space	Classroom Type	Laboratory	Office Type	Library Type	AV - TV			
Project Primary	100's	210 - 255	300's	400's	530 - 535	All Oth	ner	Tota
Project Secondary								
Project Net ASF								
Project Net Capacity								
Project Net Capacity Classrooms, Classroom Service (Roon	m Type 100's)					Net ASF	ASF/100 WSCH	Ca
	m Type 100's)		Cla	assroom Totals				
	m Type 100's)		Cla	assroom Totals		ASF	WSCH	
	m Type 100's)		Cla	assroom Totals		ASF	WSCH	
		(Room Types				ASF	WSCH	
Classrooms, Classroom Service (Roon	atory Service Areas					asf 0	WSCH 47.3	
Classrooms, Classroom Service (Roon	atory Service Areas imary Effect	(Room Types F/100 Capacity WSCH WSCH	s 210, 215, 2		. 235, 255)	asf 0	WSCH	Ca
Classrooms, Classroom Service (Roon Laboratories and Labora	atory Service Areas imary Effect	F/100 Capacity	3 210, 215, 2 TOP Co	20, 225, 230,	. 235, 255) Secondary Eff	asf 0	WSCH 47.3	Ca
Classrooms, Classroom Service (Roon Laboratories and Labora	atory Service Areas imary Effect	F/100 Capacity	3 210, 215, 2 TOP Co	20, 225, 230, de/Description	. 235, 255) Secondary Eff	ASF 0 ect Net ASF	WSCH 47.3	Ca
Classrooms, Classroom Service (Roon Laboratories and Labora	atory Service Areas imary Effect ASI Net ASF V	F/100 Capacity	3 210, 215, 2 TOP Co	20, 225, 230, de/Description	. 235, 255) Secondary Eff	ASF 0 ect Net ASF	WSCH 47.3	

Calif. Comm. Colleges	Five Y	ear Construction Plar	1		8/10/2017
	Proje	ct Intent And Scop	е		
		Barstow College			Page 37
District Priority: 3	S Student Services				
Project Type:	☐ Site Acquisition	⊠ New 0	Construction	☐ Reconstruc	tion
	☐ Replacement	☐ Infras	structure	☐ Equipment	
Total Estimated Costs:					
Anticipated Source(s) of Funds: S	State				
Type of construction:					
Seismic Retrofit :					
If Existing - Age:					
If Existing - Condition :					
Anticipated Time Schedule					
Land Acquis	sition Preliminary Plans	Working Drawing	Construction	Equipment	Occupancy
Year					2025/2026

Explain why this project is needed:

Estimated Cost

The Student Services project is envisioned as a gateway facility for the college. The fcility will consolidate and expand all student services in a "one stp" facility. These services will also support a Verterana Resource Center, Student life, Development and Outreach. The project will be built in association with a new Vehicular Dropoff area and pedestrian improvements. Elevators and stairs will link students with those building higher on the campus slope. The new Student Services Building is sequenced to be constructed following completion of the new Classroom/Lab Building

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Calif. Comm. Colleges	-			nstruction P				8,	/10/2
		Proje		ent And Sco	оре				
			Barsto	w College					Page
District Priority No.: 3	Student Service	es							
Outline of Project Space			gs		1.11				
	Classroom Type 100's	Laborato 210 - 25	ry 5	Office Type 300's	Library Type 400's	AV - TV 530 - 535	All Oth	ner	Total
Project Primary									
Project Secondary									
Project Net ASF									
Project Net Capacity	-						Net	ASF/100	Сар
	n Type 100's)						Net ASF	ASF/100 WSCH	
Project Net Capacity Classrooms, Classroom Service (Room	n Type 100's)			CI:	assroom Totals			-	
	n Type 100's)			Cla	assroom Totals		ASF	WSCH	
	n Type 100's)			Cla	assroom Totals		ASF	WSCH	
Classrooms, Classroom Service (Room		ns (Room '	Types 2				ASF	WSCH	
Classrooms, Classroom Service (Room	tory Service Area						O O	WSCH 47.3	v
Classrooms, Classroom Service (Room Laboratories and Labora	tory Service Area	ASF/100 Ca	Types 2 pacity WSCH	210, 215, 2		235, 255)	O O	WSCH	Cap V
Classrooms, Classroom Service (Room	tory Service Area mary Effect	ASF/100 Ca	pacity	2 10, 215, 2 TOP Co	20, 225, 230,	235, 255) Secondary Eff	ASF 0	WSCH 47.3	Cap
Classrooms, Classroom Service (Room Laboratories and Labora	tory Service Area mary Effect	ASF/100 Ca	pacity	2 10, 215, 2 TOP Co	20, 225, 230, de/Description	235, 255) Secondary Eff	ASF 0 ect Net ASF	WSCH 47.3	V
Classrooms, Classroom Service (Room Laboratories and Labora	tory Service Area mary Effect	ASF/100 Ca	pacity	2 10, 215, 2 TOP Co	20, 225, 230, de/Description	235, 255) Secondary Eff	ASF 0 ect Net ASF	WSCH 47.3	V

Calif. Comm. Colleges		rear Construction Plan	-		8/10/2017
	Proje	ct Intent And Scop Barstow College	e		Page 39
District Priority :	4 Administration/H	all of Fame C Sto	re		
Project Type:	☐ Site Acquisition	□ New	Construction	□ Reconstruct □ □ Reconstruct □ Reconstruct	ction
	☐ Replacement	☐ Infras	structure	☐ Equipment	
Total Estimated Costs:					
Anticipated Source(s) of Funds :	State				
Type of construction:					
Seismic Retrofit:					
If Existing - Age:					
If Existing - Condition:					
Anticipated Time Schedule					
Land Acqui	isition Preliminary Plans	Working Drawing	Construction	Equipment	Occupancy
Year					2026/2027

Explain why this project is needed:

Estimated Cost

Upon completion of the Student Services Building, the vacated space in Building S will be renovated to support a "Hall of Fame", Convenience Store and some Administrative offices and other support spaces. The Convenience Store will include facilities for the Bookstore and a Grab -and-Go Food Service

Calif. Comm. Colleges			Construction F				8	/10/2017
		Project I	ntent And Sc	ope				
		Bars	tow College					Page 40
District Priority No.:	4 Administration/I	iall of Fame	C Store					
Outline of Project Spac	e - Buildings and Re	modelings						
	Classroom Type 100's	Laboratory 210 - 255	Office Type 300's	Library Type 400's	AV - TV 530 - 535	All Ot	hor	Total ASF
Project Primary			5003	7003		All Ot	iiei	UUIAI ASF
Project Secondary								
Project Net ASF								
Project Net Capacity								
lassrooms, Classroom Service (Roo	om Type 100's)					Net ASF	ASF/100	Capacity
The state of the s						ASF	WSCH	WSCH
			Cla	assroom Totals	•••••	0	47.3	0
_aboratories and Labora	rimary Effect ASF,				235, 255) Secondary Effe		ASF/100 WSCH	Capacity WSCH
P	rimary Effect ASF,	/100 Capacity	TOP Cod	20, 225, 230, de/Description	Secondary Effe	Net ASF	ASF/100 WSCH	Capacity WSCH
P OP Code/Description	rimary Effect ASF, Net ASF W	/100 Capacity	TOP Cod	de/Description	Secondary Effe	Net ASF 0	WSCH ASF per	0 Capacity
P	rimary Effect ASF, Net ASF W	/100 Capacity	TOP Cod	de/Description	Secondary Effe	Net ASF 0	WSCH	WSCH 0

Calif. Comm. Colleges		Year Construction Plan	•		8/10/2017
	Proje	ct Intent And Scop	e		
		Barstow College			Page 41
District Priority:	5 Cosmetology Ren	ovation/Expansi	on		
Project Type :	☐ Site Acquisition	□ New	Construction	☑ Reconstruct	tion
	☐ Replacement	☐ Infra	structure	☐ Equipment	
Total Estimated Costs:					
Anticipated Source(s) of Funds:	State				
Type of construction:					
Seismic Retrofit :					
If Existing - Age:					
If Existing - Condition:					
Anticipated Time Schedule					
Land Acquis	sition Preliminary Plans	Working Drawing	Construction	Equipment	Occupancy
Year					2026/2027

Explain why this project is needed:

Estimated Cost

The current Cosmetologyshares space with the campus Bookstore. When the Bookstore is relocated, Cosmetology will gain the space vacated. This space will be redesigned for classrooms and labs.

	Five Year Construction Plan							8/10/20	
	Project Intent And Scope Barstow College								
								Page	
District Priority No.:	5 Cosmetology Re	novation/Exp	ansion						
Outline of Project Space	- Buildings and Re	emodelings							
	Classroom Type 100's	Laboratory 210 - 255	Office Type 300's	Library Type 400's	AV - TV 530 - 535	All Ot	hor	Total	
Project Primary	2000		5003	7003	330 - 333	All Ut	nei .	Total /	
Project Secondary									
Project Net ASF									
Project Net Capacity									
						Net	ACE/100	C=	
Classrooms, Classroom Service (Roor	n Type 100's)					Net ASF	ASF/100 WSCH	Capa	
	•		· · · · · · · · · · · · · · · · · · ·				******		
			Cla	ıssroom Totals		0	47.3		
Laboratories and Labora	tory Service Areas	(Room Types	: 210, 215, 2 :	20, 225, 230.	235, 255)				
Laboratories and Labora	mary Effect		210, 215, 2	20, 225, 230,	235, 255) Secondary Eff	ect			
	mary Effect ASF	(Room Types		20, 225, 230, de/Description		ect Net ASF	ASF/100 WSCH		
Pri	mary Effect ASF	7/100 Capacity	TOP Coo		Secondary Eff				
Pri	mary Effect ASF	7/100 Capacity	TOP Coo	de/Description	Secondary Eff	Net ASF			
Pri	mary Effect ASF	7/100 Capacity	TOP Coo	de/Description	Secondary Eff	Net ASF			
Pri	mary Effect ASF	7/100 Capacity	TOP Coo	de/Description	Secondary Eff	Net ASF			
Pri TOP Code/Description	mary Effect ASF ASF W	7/100 Capacity	TOP Coo	de/Description	Secondary Eff	Net ASF 0		Ws	
Pri	mary Effect ASF ASF W	7/100 Capacity	TOP Coo	de/Description	Secondary Eff	Net ASF 0	WSCH	Capa WS	