

Annual Program Review

Dean's Report 2019-20

Division of Business, Computer Science and Applied Technologies

The Division of Business, Computer Science, and Applied Technologies hosts six departments which are Accounting, Automotive Technology, Business, Computer Information Systems, Design and Manufacturing Technologies, and Real Estate. Each program offers multiple degrees and certificates. Several of the programs from all of the six programs were recognized for their contribution to the Career Technical Education Workforce and increasing living wages by the California Community Colleges' Star rating. This has been accomplished as a result of the faculty's dedication and vision of workforce demand, and their ability to create innovative curriculum relevant to advancements in their field and in collaboration with the departments' advisory boards.

According to the College's Institutional Research, the division awards over a third of all degrees and certificates awarded by the college (see Table 1).

	2014-15	2015-16	2016-17	2017-18	2018-19
De Anza Total	2390	2328	2753	2815	2959
Business, CS, and Applied Tech	959	960	1070	1058	1226
Percentage	40%	41%	39%	38%	41%

Table 1: Total Degrees and Certificates Awarded by De Anza College and the 2CB+2AT Division

Additionally, the Division offers **over 50%** of the College's Associate Transfer Degrees (see Table 2).

	2014-15	2015-16	2016-17	2017-18	2018-19
De Anza College AS Transfer	70	127	208	269	291
De Anza College AA Transfer	186	284	371	460	502
Business, CS, and Applied Tech	151	233	376	334	409
	59%	57%	65%	46%	52%

Table 2: ADT Degrees Awarded by De Anza College and the 2Cb+2AT Division

1. Enrollment:

Although the division enrollment shows a decline of 3% over a 5-year period, it is far below the 19.8% decline in the college enrollment. A 5-year enrollment trend is presented in Tables 3. The faculty are taking the lead to explore various approaches to increase enrollment. Changes to the Applied Technologies program scheduling and introducing non-credit course offerings have resulted in a significant increase in enrollment (2120 vs. 1905 for Auto Tech). Offering 6-week courses as a late start in Accounting, Business, and Computer Science has also proven to be effective as a tool to increase enrollment. There is a plan being developed to create non-credit

courses in Computer Information Systems (the project management certificates) and Real Estate. The Division is in conversation with the California Department of Real Estate to allow the acceptance of the non-credit courses as part of the Real Estate Sales and Brokers Certificates.

	2014-15	2015-16	2016-17	2017-18	2018-19	5-yr % Inc
Automotive Technologies	2385	2201	1991	1905	2120	-11%
Design and Manufacturing Technologies	1632	1397	1551	1396	1530	-6%
Accounting	5,654	5,285	5,174	5,134	4432	-22%
Business	5,973	6,196	5,506	5,575	5715	-4%
Computer Information System	7,443	8,349	8,625	8,914	8710	17%
Real Estate	620	489	522	492	409	-34%
BCAT Totals	23,707	23,917	23,369	23,416	22,916	-3%
De Anza College	192394	187592	176097	163346	154366	-20%

Table 3. BCAT Enrollment Trend

2. Closing the Equity Gap:

Although there has been some improvement toward closing the equity gap, the 2CB division equity gap continues to be higher than the college's gaps. The 2AT equity gap, however, is much lower than the college's equity gap. Embedded tutoring and various approaches in the implementation phase, which require CTE Strong Workforce Funding, should help in closing the equity gap in those programs. Tutoring in the CIS program continues to have a significant positive impact on the success rate of the program. There is a significant amount of work that needs to be done to further close the equity gap. The plan is to implement that in other programs. The equity gaps are represented in Table 4.

	Targeted	Non-Targeted	Gap
Automotive Technology	79%	84%	5%
Design and Manufacturing Technologies	74%	77%	3%
Business	65%	81%	16%
Accounting	61%	80%	19%
CIS	62%	78%	16%
Real Estate	60%	78%	18%
De Anza College	69%	83%	14%

Table 4. Equity Gaps

The college move toward hiring dedicated counselors in each division has not been consistently implemented as some divisions now have five (5) counselors while a division such as 2CB has none. Although those divisions have dedicated counselors, their students also continue to use general counselors, which further reduces the opportunity for the 2CB division students to receive adequate academic counseling. I urge and request that the college be consistent in

allocating academic counselors for all divisions. A dedicated counselor(s) to the division would help in closing the equity gap and would put its students on a successful pathway to graduation.

3. Impact of Faculty Retirement:

Two (2) Accounting faculty and two (2) Automotive Technology faculty have opted for the early retirement program. Additionally, Automotive Technology has lost an additional faculty who accepted the position of the Dean of Career Technical Education. The Design and Manufacturing Technologies has not been awarded a faculty replacement for a retirement in 2013 which resulted in reducing course offerings and impacting the department enrollment.

The division requests that the college put a high priority on hiring faculty for those programs when resources are available.

4. Financial Resources:

With the B-budget and funds from Strong Workforce, Lottery, and other resources, there are sufficient funds available to the division. Each of the departments/program in the division has submitted a resource allocation request as part of the 2019-20 program review. It is important for the success of those programs, that the college continue its support through adequate financial support. Should the strong Work Funds reduced or discontinued, the B-budget will have to be increased.

5. Other:

The Division continues to push for the 100% completion of the Student Learning Outcomes (SLO).

Should the Instructional Planning and Budget Team have any questions regarding any of the Division program reviews, please contact the division Dean.