

# IRP@FHDA

## Gainful Employment Disclosures: Methodology and Summary of Results for De Anza College

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### *Introduction*

Gainful Employment regulations require institutions to disclose information on student outcomes for educational programs that receive funds from federal student aid programs authorized under Title IV and the HEA (Higher Education Act of 1965, as amended). Specific to this work, institutions must provide the following data for each GE (gainful employment) educational program:

- Cost: including tuition, required fees, books and supplies
- Length of program, based on normal time of completion
- On-time completion-rate
- Median student loan debt: Title IV, private, and institutional debt
- Placement rate(s), when required by state or federal accreditation agencies
- Occupations for which the program purports to provide training

Private non-profit and public institutions of higher education, such as community colleges, are required to disclose this information for all non-degree educational GE programs (i.e., certificates) using a web-based application or template. The template, or web page, will display all the required information and must be posted on the home page of the program or made easily accessible through a hyperlink. (See Figure 1 for details.) Promotional materials for the program must also include how to access the information, or make it easily accessible. By displaying the information through a template or standard format, the GE disclosures are meant to “improve market information that will assist students, prospective students, and their families in making critical decisions about their educational investments and in understanding potential outcomes of their investments.”<sup>1</sup>

This report describes the methodology used to calculate the figures included in the disclosures for De Anza College and summarizes findings for all GE programs at the College for the academic year of 2014-2015.

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<sup>1</sup> Gainful Employment; Final Rule, 79 Fed. Reg. 79, 211 (October 31, 2014) (to be codified at 34 C.F.R. pt. 600, 668).

## *Methodology*

Program figures (i.e., cost and length) were based on information published on the college catalog (web page for degrees and certificates offered at De Anza College, 2015-16<sup>2</sup>) and the Office of Admissions & Records at the College.<sup>3</sup> Program length, number of weeks, was calculated by dividing the number of units by 12,<sup>4</sup> with the remainder treated as an additional 12 weeks or one quarter. For on-time completion calculations, a time period of 36 weeks was treated as a year (3 primary quarters of 12 weeks during the academic year). Tuition cost was the result of the number of units times \$31 (state-mandated per-unit fee); fees, \$49 times the number of quarters (assuming a maximum of 12 units per quarter); books and supplies, \$588 (\$1,764<sup>5</sup>, books and supplies for an academic year, divided by 3 primary quarters) times the number of quarters to complete the program. Time to completion was calculated from the first date of enrollment since the last degree or certificate was awarded to the student at the College, if applicable, to the last date for the term when the certificate was awarded. Students were excluded from the analysis if they earned a degree on a prior or the same the term of the academic year when they earned the certificate. MIS Financial Aid<sup>6</sup> data files were used to calculate figures for student loan debt (Title IV, institutional or private loans) during the academic years the student was enrolled in the program. SOC (standard occupational codes) were initially identified based on program CIP (Classification of Instructional Programs) codes,<sup>7</sup> and then reviewed for consistency. The California Community College Chancellor's Office (CCCCO) Curriculum Inventory<sup>8</sup> was used to identify programs approved by the CCCCCO.<sup>9</sup> Including only certificates approved by the CCCCCO inventory was meant to address minimum requirements for financial aid; in specific, that the instructional programs satisfied applicable minimum federal or state certification requirements. Information included in the ECAR<sup>10</sup> was compared to that in the College catalog and the CCCCCO program inventory to identify and resolve any discrepancies across data sources for GE programs currently offered at the College.

## *Results*

For the 2014-15 academic year, a total of 478 students were awarded at least one certificate at De Anza College. Data in Table 1 show that 72 certificates were awarded, with the top 20 certificates (based on headcount ranking) accounting for 94% of the total student headcount. Among the 72 certificates with a student headcount greater than 1, 33 (46%) were found to be applicable for Title IV financial aid and Gainful Employment (GE) reporting for the current 2015-16 academic year.

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<sup>2</sup> <https://www.deanza.edu/counseling/degrecert.html>

<sup>3</sup> <https://www.deanza.edu/registration/cashier/fees.html>

<sup>4</sup> 12 quarter units is the minimum unit requirement to be eligible for financial aid.

<sup>5</sup> <http://deanza.edu/financialaid/coa.html>

<sup>6</sup> Student Financial Aid data submitted by the District to the CCCCCO, more information at <http://extranet.cccco.edu/Divisions/TechResearchInfoSys/MIS/DED/StudentFinancialAid.aspx>

<sup>7</sup> The crosswalk of SOC and CIP codes is available at <https://www.onetcenter.org/supplemental.html>.

<sup>8</sup> The unique code assigned to the program is used as evidence of the certificate having been approved by the CCCCCO Curriculum Inventory. <http://curriculum.cccco.edu/ReportsPublic/InventoryReport/Report>

<sup>9</sup> According the GE regulations, a basic requirement for eligibility of financial aid is that the program "...satisfies any applicable State or Federal program-level accrediting requirements and State licensing and certification requirements for which the program purports to prepare the student to enter." (Gainful Employment; Final Rule, 79 Fed. Reg. 79, 211 (October 31, 2014) (to be codified at 34 C.F.R. pt. 600, 668).

<sup>10</sup> The Eligibility and Certification Approval Report (ECAR) identifies programs that are Title IV eligible.

The De Anza College catalog<sup>11</sup> for 2015-16 showed 51 certificates with at least 24 credit units that were approved by the California Community Colleges Chancellor's Office (CCCCO).<sup>12</sup> When comparing data for these certificates to that in the in the ECAR,<sup>13</sup> figures showed discrepancies regarding the number of units and Title for some certificates, as shown elsewhere.<sup>14</sup> The advance certificate of achievement for *Automotive Chassis Technology* (48 units) was the only certificate not yet approved by the CCCCCO that was included in the analysis for it was in the ECAR and the college catalog.<sup>15</sup> The final number of certificates used with GE disclosures, 52.

Of the 52 certificates selected for analysis (see Table 2):

- a. 33 (63%) certificates had a student headcount of at least 1 (median headcount, 5); total student headcount for all certificates, 251.
- b. 251<sup>16</sup> students were awarded at least one GE applicable certificate. Of these,
  - i. 95 (38%) students were awarded a degree during the same term or after, during the academic year when the certificate was awarded. These students were identified as 'Not GE' (not Gainful Employment) for earning the degree was the students' actual education goal.
  - ii. 5 (2%) students were awarded a degree prior to the certificate during the same academic year. These students were identified as 'GE with Degree' (Gainful Employment students who earned certificate after a degree).
  - iii. 151 (61%) students were awarded at least one certificate, but not a degree; these were identified as 'GE without Degree.'
  - iv. Final headcount for all GE students in 2014-15 to be included in the analysis for disclosures, 156.
- c. 8 (15%) of the 52 certificates had a student headcount of at least 10.
- d. For the advanced certificates, the total student headcount was 164; and, 46% (76) of these were classified as GE students.
- e. For achievement certificates, the total student headcount was 109; and 80% (87) of these were classified as GE students.

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<sup>11</sup> Degrees and certificates offered at De Anza in 2015-16 are available at: <https://www.deanza.edu/counseling/degrecert.html>

<sup>12</sup> All programs (degrees or certificates) of more than 27 units need to be approved by the CCCCCO. After approval, all programs are assigned a control or unique number.

<sup>13</sup> Eligibility and Certification Approval Report—Identified certificates that are eligible for Title IV financial aid

<sup>14</sup> Del Rio-Parent, L. (2015). Data discrepancies among catalog, CCCCCO Inventory, and the ECAR for De Anza College certificates. Los Altos Hill, CA: Foothill-De Anza CCD, Office of Institutional Research & Planning.

<sup>15</sup> Career skills certificates for Art History (27 units), Ceramics (28 units), Intercultural Studies (24), Painting (31), and Sculpture (25) were excluded from the analysis for they did not appear in the CCCCCO Program Inventory.

<sup>16</sup> Categories are not mutually exclusive; students may have earned multiple certificates during the academic year. GE student status may change depending on when the degree and certificates were awarded.

## Estimated Costs

The cost for each program or certificate was based on the number of units published in the College catalog for 2015-16 (\$31 per unit), basic fees (\$52 per quarter) and allowance for books or equipment (\$588 per quarter, plus any other required additional costs, if applicable).<sup>17</sup> Table 3 shows estimated costs by certificate, which can be summarized as follows:

- There is significant variance in terms of total estimated cost for the certificates. Total costs can range from almost \$8,000 (Medical Laboratory Technology, 88 units, \$7,848) to little above \$2,000 (Marketing Management, 24 units, \$2,024).
- The average total cost for the certificates, \$3,625; the median, \$3,815.
- The average for the total number of credit units, 40 units; the median, 40.5 units.
- The average and median for the number of quarters (primary quarters, 12 unit maximum load), 4 quarters.

## Time to Completion

To determine how long a student took to complete the program (i.e., earn a certificate), the time between the start date for the first term the student enrolled at the college to the end date for the term when the certificate was awarded was calculated. For students with an award earned previously at the College (degree or certificate), the first date for the term in which the student enrolled after the previous award was set as the new start date.<sup>18</sup> To account for only primary terms (exclude summer intersessions), one year of enrollment was set to 36 weeks<sup>19</sup>. The calculated 'time to completion' for every student was compared to the number of weeks required to complete the certificate, normal time, as shown in the ECAR. For new certificates, the number of weeks was based on the number of units published in the College Catalog (12 units per quarter, 12 weeks for every quarter).<sup>20</sup> The number of all students who completed the program was divided by the number of students who completed the program within normal time and the result was multiplied by 100 to get the on-time completion rate for the program or certificate.

Of the 52 certificates included in the analysis, 8 had a GE student headcount of at least 10 students. On-time completion rates for these certificates are shown in Table 4. Figures in this table show:

- Paralegal Studies had the highest on-time completion rate, 55%; while Child Development showed the lowest, 13%.
- Average and median on-time completion rate for these 8 certificates was consistent at 37%.

## Median Loan Debt

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<sup>17</sup> Cost of attendance for De Anza College available at: <http://deanza.edu/financialaid/coa.html>

<sup>18</sup> "When determining whether a student completed the GE Program in normal time, the institution must use the date of the student's first enrollment in any program at the institution (even if the prior program was not a GE Program), unless the student had completed the earlier program." (<http://ifap.ed.gov/GainfulEmploymentInfo/GEFAQV2.html#D-Q9>)

<sup>19</sup> Multiply number of years, rounded to two decimal points, by 36 to get number of weeks; for example, 1.33 \* 36, about 48 weeks or 4 primary quarters.

<sup>20</sup> Number of units in the catalog was found to be a more accurate than the ECAR, likely due recent updates to the catalog.

MIS<sup>21</sup> data files were used to calculate the amount of debt for every student during the academic years of enrollment applicable to the certificate. The data element SF21-Award-Type was used to identify private loan (LN), Title IV loans (LD, LG, LH, LP, LS, LL), or institutional loans (LI). SF22-Award-Amount was used to identify incurred debt. The median debt amount (mid-point score for total amount of debt for all students in the program, including those with zero debt) was identified for each type of loan debt. Table 5 shows median loan debt by certificate. Figures on this table show that most students in these programs did not incur on loan debts, which makes the median figures for all certificates equal to \$0. Automotive Technology was the area with the largest percentage of students with loans (10% to 27%); however, median loan debt was \$0.

## Disclosures

Disclosures for all GE programs at De Anza College are available at:

<https://www.deanza.edu/workforceed/ged/index.html>

## Conclusions

- There is no evidence that students who earned certificates for GE programs at De Anza College are incurring on significant student loan debt to pay for their education.
- For most programs, students should expect that completing the program will most likely take them longer than the number of weeks published on the disclosures (12 units per quarter). With the help of a counselor, students should be strongly encouraged to develop an education plan that includes pre-requisites or basic skills courses needed prior to enrollment in course required by the program. This should provide a better estimate, of not only time for completing the program, but also program costs.
- Given that only 8 GE programs had a “completers” headcount of at least 10, findings suggest that pursuing a GE program at De Anza College does not seem to be a popular choice. For a significant number of students, the certificate seems like a supplement to their degree, rather than the main education goal. For example, of the 53 students who earned a ‘Paralegal Studies’ certificate, only 16 (30%) did not earn a degree on the same academic year. Thus, the questions to answer relate to whether there is a need or demand for non-degree programs with the community the College serves; and, if there is such a need or demand, whether the programs currently offered at the College are meeting such need or demand.

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<sup>21</sup> <http://extranet.cccco.edu/Divisions/TechResearchInfoSys/MIS/DED/StudentFinancialAid.aspx>

Figure 1

Information Included in Disclosure Template

The image shows a screenshot of a disclosure template for an "Automotive Chassis and Powertrain-Advanced" program. The template is divided into sections: COST, FINANCING, and SUCCESS. Red callout boxes highlight specific information: "Published length of time to complete program" (48 weeks), "Program costs" (Tuition and fees: \$1,467; Books and supplies: \$2,352; On-campus room & board: \$0), "On-time completion rate" (40% finished in 48 weeks), and "Median loan debt for completers" (Federal loans: \$0; Private education loans: \$0; Institutional financing plan: \$0). A yellow callout box points to a link for "more information on jobs related to this program," which leads to a page titled "Automotive Technology Tool Program for Daytime Student." This page lists required tools for various programs and provides contact information for Randy Bryant. Below this, a "Jobs related to this program" section lists occupations like "Electrical and Electronics Installers and Repairers" and "Automotive Master Mechanics." A "Summary Report for: 49-2093.00 - Electrical and Electronics Installers and Repairers" is also visible, with a "View report" button and options for Summary, Details, and Custom.

Notes

GE Disclosures for De Anza College available at:  
<https://www.deanza.edu/workforceed/ged/>

**Table 1**  
**Student Headcount by Certificate, De Anza College 2014-15**

Certificate Title	Type	Student Headcount	Headcount Percent
Paralegal Studies	Cert-Advanced	53	11%
Business Administration	Cert-Achievement	49	10%
Phlebotomy Technician I	Cert-Achievement	44	9%
Speech Communication	Cert-Achievement	32	7%
Child Development	Cert-Achievement	30	6%
Accounting	Cert-Achievement	26	5%
CNC Machinist	Cert-Achievement	24	5%
Automotive Chassis&Powertrain	Cert-Advanced	22	5%
Auto Techncn:Adv Engine Perfor	Cert-Achievement	21	4%
Auto Techncn:Int Eng Perf Tech	Cert-Achievement	19	4%
Auto Tech:Engine Performance	Cert-Advanced	17	4%
Auto Machining&Engine Repair	Cert-Advanced	16	3%
Auto Techncn:Bsc Eng Perf Tech	Cert-Achievement	14	3%
Graphic Design	Cert-Achievement	14	3%
Medical Assisting	Cert-Advanced	14	3%
Lab Assisting	Cert-Achievement	13	3%
Child Development	Cert-Advanced	10	2%
Insurance and Coding	Cert-Achievement	10	2%
Programming in C/C++	Cert-Achievement	10	2%
Accounting:Emphasis In Practic	Cert-Advanced	9	2%
Project Management Practition	Cert-Achievement	9	2%
Auto Techncn:Adv Engine Perfor	Cert-Advanced	7	1%
Computer Aided Dsgn-Mechanical	Cert-Achievement	7	1%
Unix/Linux Operating System	Cert-Achievement	7	1%
Auto Techncn:Chassis Technolgy	Cert-Achievement	6	1%
Early Childhood Mental Health	Cert-Achievement	6	1%
Enterprise Security Profession	Cert-Achievement	6	1%
Management	Cert-Achievement	6	1%
Medical Reception	Cert-Achievement	6	1%
Auto Techncn:Smog Technician	Cert-Achievement	5	1%
Business Office Clerk	Cert-Achievement	5	1%
Marketing Management	Cert-Achievement	5	1%
Massage Therapy	Cert-Achievement	5	1%
Medical Records Clerk	Cert-Achievement	5	1%
Professional Photography	Cert-Achievement	5	1%
Accounting - Bookkeeping	Cert-Achievement	4	1%
Accountng:Emphasis in Taxation	Cert-Advanced	4	1%
CNC Programming-CAD/CAM	Cert-Achievement	4	1%
Film/TV Production:TV Emph	Cert-Achievement	4	1%
Medical File Clerk	Cert-Achievement	4	1%
Programming in JAVA	Cert-Achievement	4	1%
Auto Techncn:Powertrain Techn	Cert-Advanced	3	1%
Bookkeeping	Cert-Achievement	3	1%

Certificate Title	Type	Student Headcount	Headcount Percent
Entrepreneurship	Cert-Achievement	3	1%
Envir Resource Mgmt&Poll Prev	Cert-Achievement	3	1%
Marketing Management	Cert-Advanced	3	1%
Medical Laboratory Technology	Cert-Advanced	3	1%
Network Administration	Cert-Achievement	3	1%
Programming Language: PERL	Cert-Achievement	3	1%
Web Development	Cert-Achievement	3	1%
Auto Techncn:Auto Chassis Tech	Cert-Advanced	2	0%
Auto Techncn:Powertrain Tech	Cert-Achievement	2	0%
Enterprise Security Profession	Cert-Advanced	2	0%
Leadership and Social Change	Cert-Achievement	2	0%
Network Basics	Cert-Achievement	2	0%
Tax Practitioner	Cert-Advanced	2	0%
Technical Writing	Cert-Achievement	2	0%
Wildlife Science Technician	Cert-Achievement	2	0%
Art: Painting Option	Cert-Achievement	1	0%
Auto Machining & Engine Repair	Cert-Advanced	1	0%
Auto Techncn:Adv Auto Technlgy	Cert-Achievement	1	0%
CNC Machinist	Cert-Advanced	1	0%
Energy Manag & Climate Policy	Cert-Achievement	1	0%
Energy Managmnt&Climate Policy	Cert-Advanced	1	0%
Fillm/TV: Production	Cert-Achievement	1	0%
Graphic Design	Cert-Advanced	1	0%
Manufacturing Systems Techncn	Cert-Achievement	1	0%
Massage Therapy	Cert-Advanced	1	0%
Medical Secretary	Cert-Advanced	1	0%
Medical Transcription	Cert-Achievement	1	0%
Network Programming	Cert-Advanced	1	0%
Real Estate	Cert-Advanced	1	0%

**Notes**

Total headcount, 478

Data include all certificates awarded in 2014-15, independently of number of units or CCCC approval status for the certificate.



**Table 2****Student Headcount by Certificate and GE Category, De Anza College, 2014-15**

Certificate Title	Type	Total Student Headcount	Non GE Headcount	GE without Degree Headcount	GE with Degree Headcount	Total GE Student Count
Child Development	CEA	30	6	24	0	24
Paralegal Studies	CAA	53	33	16	4	20
Accounting, including Bookkeeping and Taxation	CEA	26	7	19	0	19
Lab Assisting	CEA	13	0	12	1	13
Automotive Machining and Engine Repair	CAA	17	6	11	0	11
Automotive Engine Performance	CAA	17	7	10	0	10
Insurance and Coding	CEA	10	0	10	0	10
Automotive Chassis and Powertrain	CAA	22	12	10	0	10
Medical Assisting	CAA	14	7	7	0	7
Advanced Engine Performance Technology	CAA	7	2	5	0	5
Massage Therapy	CEA	5	0	5	0	5
Accounting: Practice Emphasis	CAA	9	4	5	0	5
Medical Reception	CEA	6	2	4	0	4
Entrepreneurship	CEA	3	0	3	0	3
Film/TV: Production	CEA	4	1	3	0	3
Management	CEA	6	4	2	0	2
Wildlife Science Technician	CEA	2	0	2	0	2
Medical Laboratory Technology	CAA	3	1	2	0	2
Marketing Management	CEA	5	3	2	0	2
Real Estate	CAA	1	0	1	0	1
Automotive Powertrain Technology	CAA	3	2	1	0	1
Enterprise Security Professional	CAA	2	1	1	0	1
Massage Therapy	CAA	1	0	1	0	1
Accounting: Tax Practitioner	CAA	2	1	1	0	1
CNC Machinist	CAA	1	0	1	0	1
Automotive Chassis Technology	CAA	2	1	1	0	1
Graphic Design	CAA	1	0	1	0	1
Network Programming	CAA	1	1	0	0	0
Business Programming	CAA	0	0	0	0	0
Intercultural Studies	CAA	0	0	0	0	0
Painting	CAA	0	0	0	0	0
Child Development	CAA	10	10	0	0	0

Certificate Title	Type	Total Student Headcount	Non GE Headcount	GE without Degree Headcount	GE with Degree Headcount	Total GE Student Count
Ceramics	CAA	0	0	0	0	0
Automotive Machining and Engine Repair Technology	CAA	0	0	0	0	0
Marketing Management	CAA	3	3	0	0	0
Database Design for Developers (Oracle)	CAA	0	0	0	0	0
Accounting: Taxation Emphasis	CAA	4	4	0	0	0
Wildlife Science Technician	CAA	0	0	0	0	0
Mandarin	CAA	0	0	0	0	0
Film/TV: Production	CAA	0	0	0	0	0
Early Intervention Special Education Assistant	CAA	0	0	0	0	0
Art History	CAA	0	0	0	0	0
Private Security	CAA	0	0	0	0	0
Energy Management and Building Science	CEA	1	1	0	0	0
Environmental Resource Management and Pollution Prevention	CAA	0	0	0	0	0
Network Administration	CAA	0	0	0	0	0
Medical Secretary	CAA	1	1	0	0	0
CNC Research and Development Machinist	CAA	0	0	0	0	0
Global Studies	CAA	0	0	0	0	0
Product Model Making	CAA	0	0	0	0	0
Sculpture	CAA	0	0	0	0	0
Systems Programming	CAA	0	0	0	0	0

**Notes**

CAA, Advanced Certificate

CEA, Certificate of Achievement

Non GE Headcount: Students who were awarded a certificate on the same academic period or after within the academic year, 2014-15

GE Headcount, without Degree: Students who were awarded a certificate and not a degree during the same academic year, 2014-15

GE Headcount, with Degree: Students who were awarded a degree prior to the certificate in the same academic year, 2014-15.

Total GE Student Count: Total number of students who met the GE criteria for inclusion in the analysis.

**Table 3**  
**Estimated Costs by Certificate, De Anza College, 2015-16**

Area	Certificate Title	Type	Credit Units	Number		Total Tuition Cost	Total Basic Fees	Total Books & Supplies	Total Cost
				of Quarters					
Accounting	Accounting: Practice Emphasis	CAA	45	4		\$ 1,395	\$ 208	\$ 2,352	\$ 3,955
Accounting	Accounting: Tax Practitioner	CAA	45	4		\$ 1,395	\$ 208	\$ 2,352	\$ 3,955
Accounting	Accounting: Taxation Emphasis	CAA	45	4		\$ 1,395	\$ 208	\$ 2,352	\$ 3,955
Accounting	Accounting, including Bookkeeping and Taxation	CEA	26	3		\$ 806	\$ 156	\$ 1,764	\$ 2,726
Administration of Justice	Private Security	CAA	37	4		\$ 1,147	\$ 208	\$ 2,352	\$ 3,707
Art	Art History	CAA	51	5		\$ 1,581	\$ 260	\$ 2,940	\$ 4,781
Art	Painting	CAA	51	5		\$ 1,581	\$ 260	\$ 2,940	\$ 4,781
Art	Ceramics	CAA	40	4		\$ 1,240	\$ 208	\$ 2,352	\$ 3,800
Art	Sculpture	CAA	40	4		\$ 1,240	\$ 208	\$ 2,352	\$ 3,800
Automotive Technician	Advanced Engine Performance Technology	CAA	57	5		\$ 1,767	\$ 260	\$ 2,940	\$ 4,967
Automotive Technician	Automotive Chassis Technology	CAA	48	4		\$ 1,488	\$ 208	\$ 2,352	\$ 4,048
Automotive Technician	Automotive Machining and Engine Repair Technology	CAA	48	4		\$ 1,488	\$ 208	\$ 2,352	\$ 4,048
Automotive Technician	Automotive Powertrain Technology	CAA	43.5	4		\$ 1,349	\$ 208	\$ 2,352	\$ 3,909
Automotive Technology	Automotive Engine Performance	CAA	44.5	4		\$ 1,380	\$ 208	\$ 2,352	\$ 3,940
Automotive Technology	Automotive Chassis and Powertrain	CAA	41	4		\$ 1,271	\$ 208	\$ 2,352	\$ 3,831
Automotive Technology	Automotive Machining and Engine Repair	CAA	37	4		\$ 1,147	\$ 208	\$ 2,352	\$ 3,707
Business Administration	Entrepreneurship	CEA	24	2		\$ 744	\$ 104	\$ 1,176	\$ 2,024
Child Development	Early Intervention Special Education Assistant	CAA	44	4		\$ 1,364	\$ 208	\$ 2,352	\$ 3,924

Area	Certificate Title	Type	Credit Units	Number		Total Tuition Cost	Total Basic Fees	Total Books & Supplies	Total Cost
				of Quarters					
Child Development	Child Development	CAA	40	4		\$ 1,240	\$ 208	\$ 2,352	\$ 3,800
Child Development	Child Development	CEA	24	2		\$ 744	\$ 104	\$ 1,176	\$ 2,024
Computer Information Systems	Business Programming	CAA	41.5	4		\$ 1,287	\$ 208	\$ 2,352	\$ 3,847
Computer Information Systems	Network Programming	CAA	41	4		\$ 1,271	\$ 208	\$ 2,352	\$ 3,831
Computer Information Systems	Systems Programming	CAA	41	4		\$ 1,271	\$ 208	\$ 2,352	\$ 3,831
Computer Information Systems	Network Administration	CAA	40	4		\$ 1,240	\$ 208	\$ 2,352	\$ 3,800
Computer Information Systems	Enterprise Security Professional	CAA	33	3		\$ 1,023	\$ 156	\$ 1,764	\$ 2,943
Computer Information Systems	Database Design for Developers (Oracle)	CAA	24	2		\$ 744	\$ 104	\$ 1,176	\$ 2,024
Design and Manufacturing Technologies	CNC Research and Development Machinist	CAA	51.5	5		\$ 1,597	\$ 260	\$ 2,940	\$ 4,797
Design and Manufacturing Technologies	CNC Machinist	CAA	49.5	5		\$ 1,535	\$ 260	\$ 2,940	\$ 4,735
Design and Manufacturing Technologies	Product Model Making	CAA	41	4		\$ 1,271	\$ 208	\$ 2,352	\$ 3,831
Environmental Studies	Wildlife Science Technician	CAA	47	4		\$ 1,457	\$ 208	\$ 2,352	\$ 4,017

Area	Certificate Title	Type	Credit Units	Number of Quarters	Total Tuition Cost	Total Basic Fees	Total Books & Supplies	Total Cost
Environmental Studies	Environmental Resource Management and Pollution Prevention	CAA	28	3	\$ 868	\$ 156	\$ 1,764	\$ 2,788
Environmental Studies	Wildlife Science Technician	CEA	26	3	\$ 806	\$ 156	\$ 1,764	\$ 2,726
Environmental Studies	Energy Management and Building Science	CEA	25	3	\$ 775	\$ 156	\$ 1,764	\$ 2,695
Film/TV	Film/TV: Production	CAA	42	4	\$ 1,302	\$ 208	\$ 2,352	\$ 3,862
Film/TV	Film/TV: Production	CEA	24	2	\$ 744	\$ 104	\$ 1,176	\$ 2,024
Global Studies	Global Studies	CAA	36	3	\$ 1,116	\$ 156	\$ 1,764	\$ 3,036
Graphic and Interactive Design	Graphic Design	CAA	47	4	\$ 1,457	\$ 208	\$ 2,352	\$ 4,017
Health Technologies	Medical Assisting	CAA	65.5	6	\$ 2,031	\$ 312	\$ 3,528	\$ 5,871
Health Technologies	Medical Secretary	CAA	39	4	\$ 1,209	\$ 208	\$ 2,352	\$ 3,769
Health Technologies	Insurance and Coding	CEA	26	3	\$ 806	\$ 156	\$ 1,764	\$ 2,726
Health Technologies	Lab Assisting	CEA	25.5	3	\$ 791	\$ 156	\$ 1,764	\$ 2,711
Health Technologies	Medical Reception	CEA	25.5	3	\$ 791	\$ 156	\$ 1,764	\$ 2,711
Intercultural Studies	Intercultural Studies	CAA	40	4	\$ 1,240	\$ 208	\$ 2,352	\$ 3,800
Management	Management	CEA	24	2	\$ 744	\$ 104	\$ 1,176	\$ 2,024
Mandarin	Mandarin	CAA	34	3	\$ 1,054	\$ 156	\$ 1,764	\$ 2,974
Marketing Management	Marketing Management	CAA	44	4	\$ 1,364	\$ 208	\$ 2,352	\$ 3,924
Marketing Management	Marketing Management	CEA	24	2	\$ 744	\$ 104	\$ 1,176	\$ 2,024
Massage Therapy	Massage Therapy	CAA	44.5	4	\$ 1,380	\$ 208	\$ 2,352	\$ 3,940

Area	Certificate Title	Type	Credit Units	Number		Total Tuition Cost	Total Basic Fees	Total Books & Supplies	Total Cost
				of Quarters					
Massage Therapy	Massage Therapy	CEA	25.5	3		\$ 791	\$ 156	\$ 1,764	\$ 2,711
Medical Laboratory Technology	Medical Laboratory Technology	CAA	88	8		\$ 2,728	\$ 416	\$ 4,704	\$ 7,848
Paralegal Studies	Paralegal Studies	CAA	48	4		\$ 1,488	\$ 208	\$ 2,352	\$ 4,048
Real Estate	Real Estate	CAA	33	3		\$ 1,023	\$ 156	\$ 1,764	\$ 2,943
		Average	40	4		1225	195	2205	3625
		Median	40.5	4		1255.5	208	2352	3815.5

**Notes:**

For basic fees and allowance costs, the number of quarter is based on catalog units (12 units per quarter) to reflect current costs.

Tuition Cost, number of units multiplied by \$31

Basic fees, number of quarters multiplied by \$52

Allowance for books and equipment, number of quarters multiplied by \$588

CAA, Advanced Certificate

CEA, Certificate of Achievement

**Table 4****On-Time Completion Rate by Certificate, De Anza College, 2014-15**

Certificate Title	Type	Number of Quarters	Number of Completers	Number of On-Time Completers	On-Time Completion Rate
Paralegal Studies	CAA	4	20	11	55%
Automotive Engine Performance	CAA	4	10	5	50%
Automotive Chassis and Powertrain	CAA	4	10	4	40%
Lab Assisting	CEA	3	13	5	38%
Automotive Machining and Engine Repair	CAA	4	11	4	36%
Accounting, including Bookkeeping and Taxation	CEA	3	19	6	32%
Insurance and Coding	CEA	3	10	3	30%
Child Development	CEA	2	24	3	13%

**Notes**

CAA, Advanced Certificate

CEA, Certificate of Achievement

**Table 5**  
**Student Median Loan Debt by Certificate, De Anza College, 2014-15**

Certificate Title	Type	Completers	Completers with Debt Headcount	Median Title IV Debt	Median Private Debt	Median Institutional Debt
Automotive Machining and Engine Repair	CAA	11	3	0	0	0
Child Development	CEA	24	2	0	0	0
Automotive Chassis and Powertrain	CAA	10	2	0	0	0
Automotive Engine Performance	CAA	10	1	0	0	0
Lab Assisting	CEA	13	1	0	0	0
Insurance and Coding	CEA	10	0	0	0	0
Accounting, including Bookkeeping and Taxation	CEA	19	0	0	0	0
Paralegal Studies	CAA	20	0	0	0	0

**Notes**

CAA, Advanced Certificate

CEA, Certificate of Achievement