



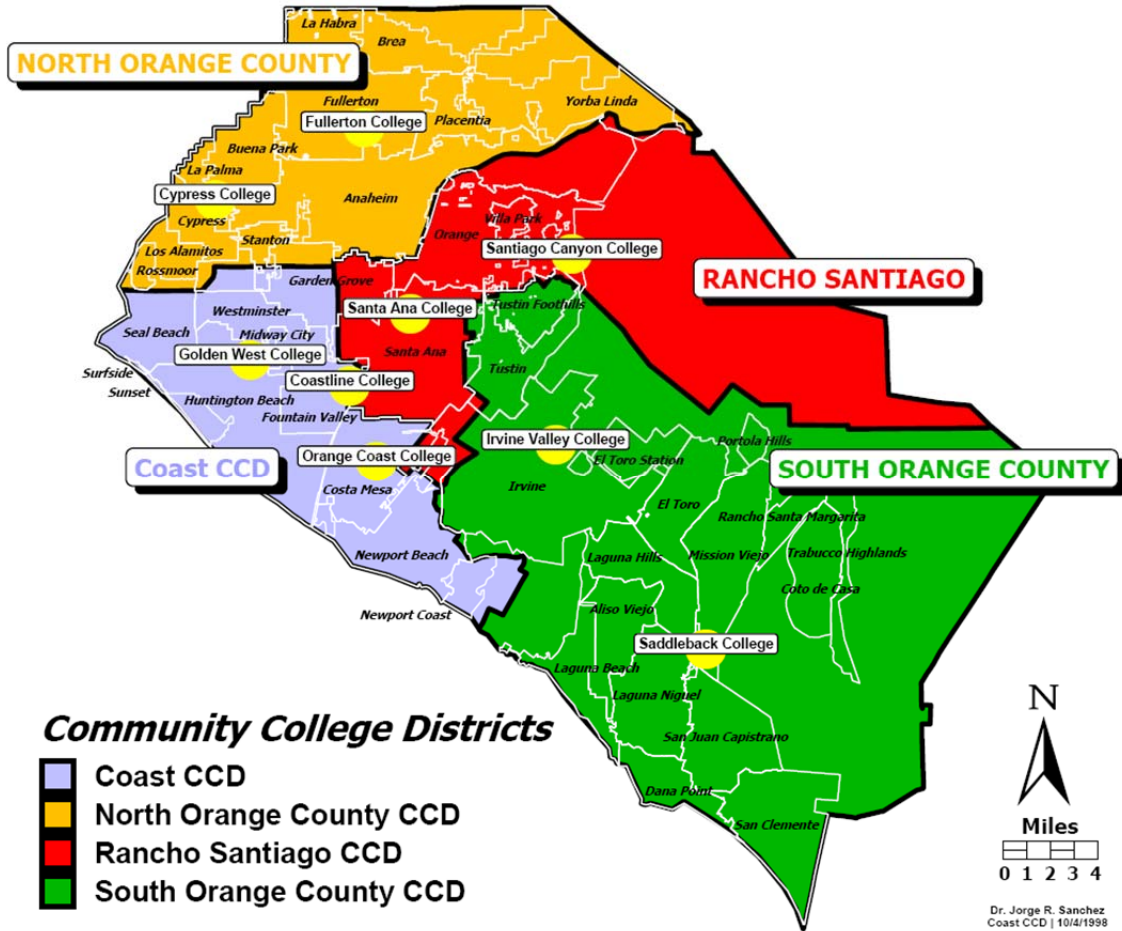
Coast Community College District Environmental Scan

District Office of Research, Planning and Institutional
Effectiveness

1/8/2014

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Introduction

This external environmental scan was conducted in fall 2013, with the purpose of informing the Coast Colleges' strategic planning activities, which are coordinated throughout the district.

The report is divided into two broad sections. The first section of the report is the External Data, which contains statistics and analysis about Orange County and the Coast District demographic, employment, and educational trends. The second section of the report is the Internal Data, which contains student enrollment, productivity, student outcomes, and finance trends. The communities and variables being studied are experiencing rapid changes. Consequently, the scan should be reviewed and used for planning to identify broad trends and to provide a general overview.

External Data

Demographic Profile of the CCD Service Area

Orange County Workforce Indicators 2013-14 Key Findings

<http://www.ocbc.org/wp-content/uploads/2013-WIR-Key-Findings.pdf>

Orange County's growing population is becoming increasingly older and more diverse.

- At 61.1 percent of the population, Orange County has a slightly larger proportion of working-age residents (20 to 64) compared to state and national age trends. These trends are expected to continue over several decades, driving a dramatic increase of residents over age 55.
- Foreign migration is experiencing a positive trend with 151,002 new immigrants entering Orange County since 2000. However, population growth in the 2000s was primarily due to natural increase (defined as births minus deaths) with about 30,000 births each year, leading to the current county population of 3,090,132. This is up from last year's population estimate of 3,055,792.
- By 2020, Latinos are projected to become Orange County's largest ethnic group. Since 2005, Latinos have accounted for more than 50 percent of the total births in the county, followed by Asians at 25 percent. However, the 20-year growth rate of the Asian population in Orange County outpaced Latino growth rates despite Asian's smaller actual numbers.

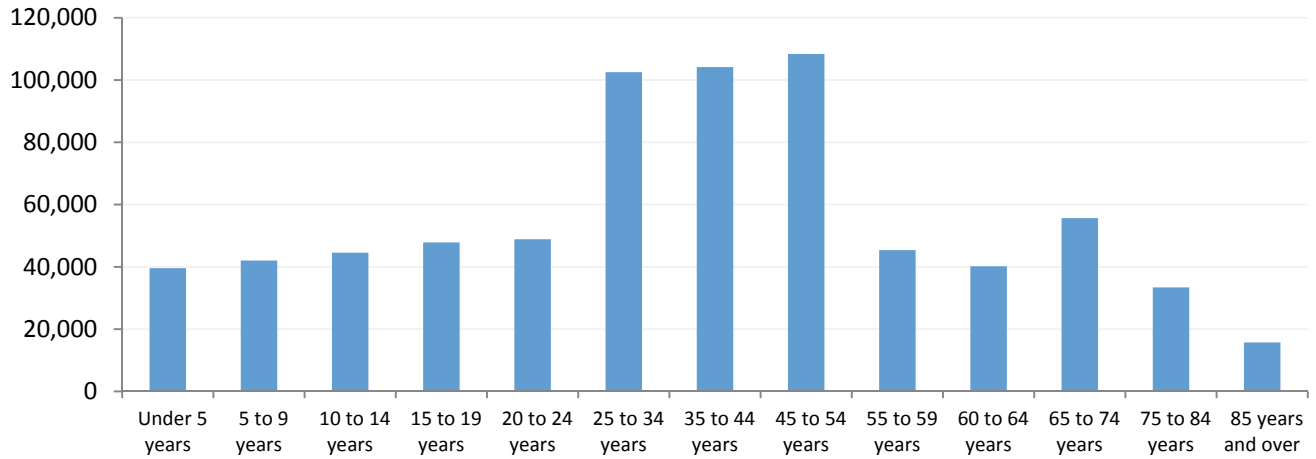
Current Demographic Profile for the Coast District Service Area

Total population 728,199

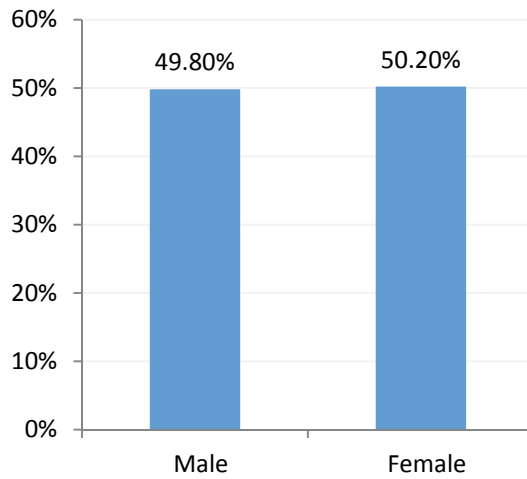
GENDER			Race		
Male	362,904	49.8%	Total population	728,199	100.0%
Female	365,295	50.2%	One race	708,525	97.3%
			Two or more races	19,674	2.7%
AGE			One race	708,525	97.3%
Under 5 years	39,543	5.4%	White	458,694	63.0%
5 to 9 years	42,033	5.8%	Black or African American	7,863	1.1%
10 to 14 years	44,556	6.1%	Am Indian and Alaska Native	2,542	0.3%
15 to 19 years	47,821	6.6%	Asian	165,202	22.7%
20 to 24 years	48,857	6.7%	Asian Indian	5,296	0.7%
25 to 34 years	102,529	14.1%	Chinese	16,059	2.2%
35 to 44 years	104,205	14.3%	Filipino	9,419	1.3%
45 to 54 years	108,376	14.9%	Japanese	8,904	1.2%
55 to 59 years	45,355	6.2%	Korean	11,608	1.6%
60 to 64 years	40,164	5.5%	Vietnamese	103,533	14.2%
65 to 74 years	55,635	7.6%	Other Asian	10,383	1.4%
75 to 84 years	33,399	4.6%	Native Hawaiian and Other	4,147	0.6%
85 years and over	15,726	2.2%	Native Hawaiian	41	0.0%
			Guamanian or Chamorro	44	0.0%
Median age (years)			Samoan	786	0.1%
			Other Pacific Islander	840	0.1%
18 years and over	573,255	78.7%	Some other race	70,077	9.6%
21 years and over	544,417	74.8%	Two or more races	19,674	2.7%
62 years and over	128,928	17.7%			
65 years and over	104,760	14.4%	Some other race	74,199	10.2%
18 years and over	573,255	78.7%	HISPANIC OR LATINO AND RACE		
Male	282,419	38.8%	Total population	728,199	100.0%
Female	290,836	39.9%	Hispanic or Latino (of any race)	176,646	24.3%
			Mexican	146,977	20.2%
65 years and over	104,760	14.4%	Puerto Rican	2,591	0.4%
Male	45,855	6.3%	Cuban	1,989	0.3%
Female	58,905	8.1%	Other Hispanic or Latino	25,089	3.4%
			Not Hispanic or Latino	551,553	75.7%
			White alone	359,402	49.4%
			Black or African American alone	6,840	0.9%
			Am Indian and Ala Native alone	1,462	0.2%
			Asian alone	164,467	22.6%
			Nat Hawaiian and Othr Pac Isl	3,583	0.5%
			Some other race alone	1,441	0.2%
			Two or more races	14,358	2.0%

Source: U.S. Census, 2009-11 American Community Survey 3-Year

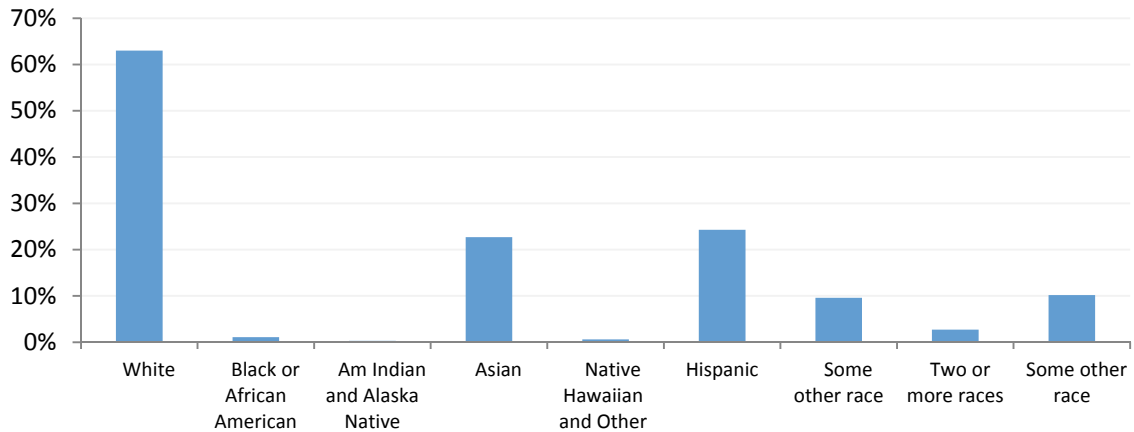
Age Distribution



Gender



Race/Ethnicity



Employment

This section provides some vital employment statistics relative to Orange County and the nation. In terms of numbers of jobs, the largest industry sectors are professional, scientific and technical services, retail trade, health occupations and manufacturing.

Orange County Economic and Workforce Trends

The following information provides an overview of the Orange County economy.

Source: 2013-14 Orange County Workforce Indicators Report.

<http://www.ocbc.org/research/workforce-indicators-report/>

Orange County's economy is outperforming neighboring counties and the state.

- The Orange County job profile reveals significant improvements through 2013, including a declining unemployment rate that reached as low as 5.5 percent in June 2013, the lowest unemployment rate recorded since June 2008.
- Orange County's median household income is estimated to be at \$73,380, which is 23 percent higher than the state average (\$59,659) and 41 percent higher than the national average (\$52,041).
- Employment increased by 1.5 percent in 2012 and forecasts project a 2.1 percent increase in 2013, which translates to a gain of 20,500 jobs in 2012 and 29,500 jobs in 2013. The majority of industries in Orange County showed significant growth from 2012 through 2013, with the greatest improvements coming from Education and Health Services, Construction, and Financial Activities.
- Orange County is capitalizing on its strengths in life sciences and advanced electronics, enabling it to stand out as a world class leader. Professional, Scientific, and Technical Services employment is expected to grow by 23.8 percent from 2010 to 2020.
- Biomedical Engineers have the fourth-highest average salary and already experienced 108 percent actual employment growth since 2010, drastically above the anticipated 86 percent growth pre-dated for 2010 to 2020. High-wage occupations have the greatest impact on improving long-term regional prosperity.
- International Trade, Information Technology, Creativity and Green Technology are all helping to drive employment growth and new high-wage occupations within the county's major industries, accounting for approximately 246,600 jobs. Workers in these industries earn nearly \$20,000 above the average wage.
- Orange County's geography provides distinct advantages regarding International Trade and its top countries for exports are Mexico and Canada, accounting for \$5.8 billion and \$2.8 billion in trade, respectively. China, Japan and South Korea round out the county's top five trade partners and together the three countries account for 35.3 percent of merchandise exports from the county.

PROJECTED LACK OF NEW JOB OPENINGS >> California's Employment Development Department (EDD) estimates of new and replacement jobs through 2020 underscore the severity of the issue of baby boomers constraining lower-level job openings that traditionally falling to new workforce entrants. By definition, "new jobs" are classified as openings due only to new additional job growth, while "replacement jobs" are defined as job openings created when workers retire or permanently leave an occupation. As it stands, future replacement jobs may not be as available as needed due to older generations of workers that are delaying their retirement plans and are willing to take lower level jobs to support their eventual retirement.

Replacement jobs largely consist of lower-wage entry-level jobs in industries with a significant body of temporary workers, including Office and Administrative Support, Food Preparation and Service, and Sales-related occupations. These industries have median annual wages of \$35,920; \$19,392; and \$30,663, respectively.

This trend of baby boomers occupying traditionally younger workforce starter jobs in all fields transforms their use into survival jobs. As many of these jobs are more reliant on workforce experience than education credentials, senior generations of workers can more easily draw from their larger experience pools to find the right requirements. Baby boomers have been in the

workforce longer than younger generations and are likely to be overqualified for these positions, making opportunities for new entrants scarce in what should be a plentiful selection. This preference for the older workforce compounded by the employer-wide trend of operating with leaner teams, further crowds the younger generation out of the entry-level labor market.

As a result, young graduates may be unable to enter the workforce in meaningful ways or at the time they desire. Some continue advancing their education but this strategy does not securely prepare them for the economic future ahead. Even with the potential for higher eventual salaries, many students take out large student loans and accrue debt for years after graduation. Prolonged uncertainty about current and future job market trends will continue to hamper the employment and career prospects of this generation.

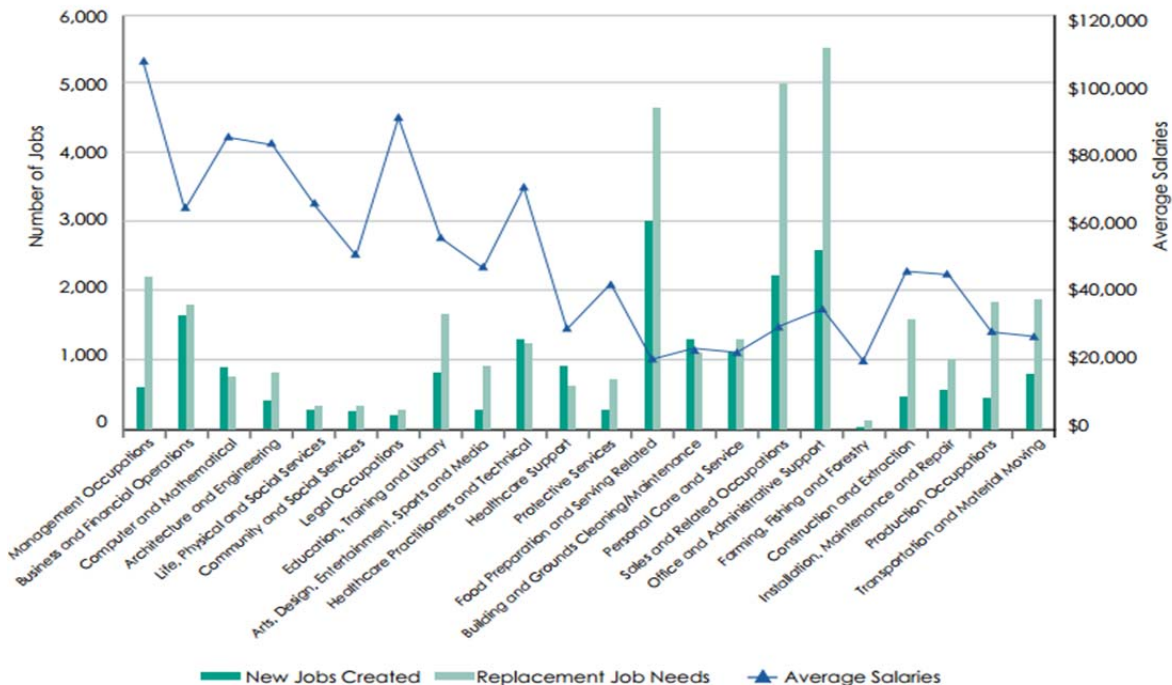
Orange County is home to many high-tech industries. It is a leader in several emerging technologies including advanced transportation, alternative fuels, medical devices and computer gaming. The workforce is IT savvy and there are large concentrations of colleges and universities, business incubators and venture capital investment firms.

Though the economy appears to be very slowly turning the corner, unemployment remains high and consumer and business spending has been slow to improve. Many older workers have been forced into early retirement with others working longer than expected due to losses in retirement accounts and home values. From 2007 to 2010, Orange County lost approximately 162,000 jobs or 10.7% of its payroll employment. The largest decline was in the construction industry, 28.6%. There has been some recent job growth but not rapid. The two industry sectors that suffered the least amount of decline are also those recovering the quickest. These include health services and tourism. The unemployment rate is projected to stay above 7% through 2013.

There are two components to “job openings”, new jobs and replacement jobs. Replacement jobs are openings created when workers retire or permanently leave an occupation. These types of openings are not being seen in large numbers because many older workers are pushing back retirement. Though baby boomers are typically well educated, they currently occupy many jobs traditionally considered workforce starter jobs. They are using them as survival jobs. This is making it difficult for young graduates to find work in their fields of study. Some continue their education, but this involves taking on more debt.

The job openings that are being seen are primarily concentrated in lower wage, entry-level jobs in office and admin support, sales and related occupations, and food prep and serving. These occupations have median wages of \$35,922, \$30,659 and \$19,406 respectively.

New Jobs Created and Forecasted Replacement Jobs for Orange County, 2010-2020



Source: California Employment Development Department

Orange County 2012, Quarter 1 Wages by Industry

Occupation Title	Median Annual Wage, Q1 2012
Management Occupations	\$111,467
Business and Financial Operations Occupations	\$66,747
Computer and Mathematical Occupations	\$83,720
Architecture and Engineering Occupations	\$82,638
Life, Physical and Social Science Occupations	\$68,037
Community and Social Services Occupations	\$47,258
Legal Occupations	\$89,482
Education, Training and Library Occupations	\$53,997
Arts, Design, Entertainment, Sports and Media Occupations	\$48,152
Healthcare Practitioners and Technical Occupations	\$73,965
Healthcare Support Occupations	\$29,682
Protective Service Occupations	\$41,704
Food Preparation and Serving Related Occupations	\$19,406
Building and Grounds Cleaning and Maintenance Occupations	\$22,422
Personal Care and Service Occupations	\$22,797
Sales and Related Occupations	\$30,659
Office and Administrative Support Occupations	\$35,922
Farming, Fishing and Forestry Occupations	\$19,178
Construction and Extraction Occupations	\$48,693
Installation, Maintenance and Repair Occupations	\$44,699
Production Occupations	\$28,787
Transportation and Material Moving Occupations	\$27,165

Source: California Employment Development Department

Emerging Industry Clusters

Programs and policies should support emerging industries, or the drivers of industry clusters, to accelerate their growth and proliferation throughout traditional industry clusters. **International trade, information technology, creativity and green/clean tech are helping to drive employment growth and high wage, high multiplier occupations.** The recession hampered the potential growth of these industries, yet they have rebounded well and are expected to not only help grow traditional sectors but, in time, become major sources of employment and revenue for the county.

Orange County is in the midst of transitioning into a knowledge based, post-Great Recession economy. Because of the Great Recession, many of the traditional high wage jobs of the past have disappeared and will not be coming back. New opportunities, however, are creating high wage jobs as a result of social and economic changes in the last decade due to international trade, information technology (IT), creativity and green/clean tech—four emerging industries that are blurring traditional cluster boundaries.

These four drivers overlay and crosscut traditional clusters, offering a better understanding of the county's workforce needs. Education and workforce development professionals began understanding the importance of these clusters in designing education and development policies. The Orange County Workforce Investment Board and Orange County Business Council started to track crosscutting clusters several years ago.

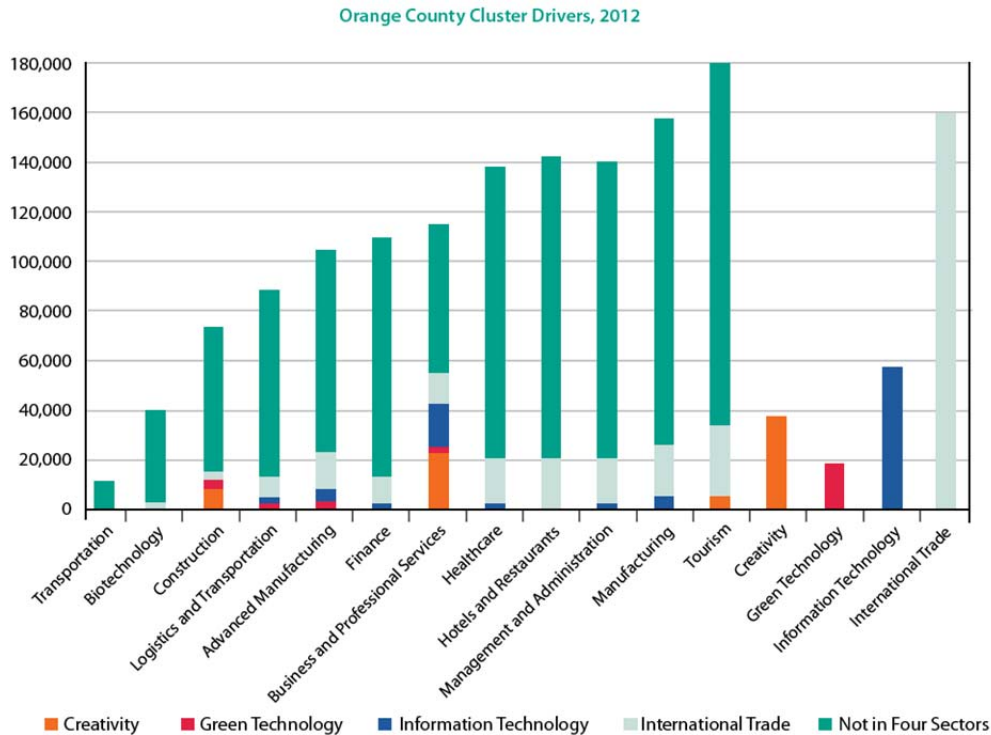
This section explores these interrelationships and how each driver overlaps and enhances existing cluster industries, creating both horizontal and vertical clusters. For example, while there are firms that are solely information technology (such as computer software and game developers such as Blizzard Entertainment), there are information technology functions and occupations within all other clusters. Creativity-oriented occupations are important components across clusters as well, such as architecture/interior design overlapping in the business and professional services, construction and tourism clusters.

These four drivers are increasingly important in developing and maintaining competitive advantage in Orange County's clusters. They generate value-creating jobs and initiate economic growth.

According to the estimated employment in 2011, international trade, information technology, creativity and clean tech are helping to drive employment growth and high-wage, high-multiplier occupations. While the recession did hamper potential growth of these industries, they have rebounded well and are expected to not only help grow traditional sectors but, in time, become major sources of employment and revenue for the county. International trade, information technology, creativity and

green/clean tech added approximately 278,691 jobs. In the past year, jobs increased in international trade and information technology, while employment in the creativity sector slightly declined and green technology moderately declined:

- International Trade: 156,997
- Information Technology: 66,236
- Creativity: 37,200
- Green Technology: 18,258



Source: OCBC Analysis of California Employment Development Department Data, OTIS Report, Next10, and Los Angeles Economic Development Corporation

INTERNATIONAL TRADE >> Orange County’s geographic location provides it with distinct advantages regarding international trade. Some of these advantages include proximity to the ports of Long Beach and Los Angeles; a well-connected freeway and road system for trucking; rail lines providing national trade linkages; proximity to international and domestic airports; and a large and growing presence of an ethnically diverse population. Combine these significant trade factors with Orange County’s large and competitive manufacturing base, namely in computer software, electronics and transportation equipment. The county continues to rapidly cultivate trade relationships with growing economies such as China, Japan, South Korea, Mexico and Canada. These economic and employment opportunities emerge to drive the county’s robust global trade industry.

INFORMATION TECHNOLOGY >> A highly skilled information technology workforce is essential to driving economic growth in a fast growing knowledge-based economy. Specialized skills—often requiring education or experience in science, technology, engineering and mathematics—are critical to supporting innovation in fields as diverse as computers, medicine and communication.

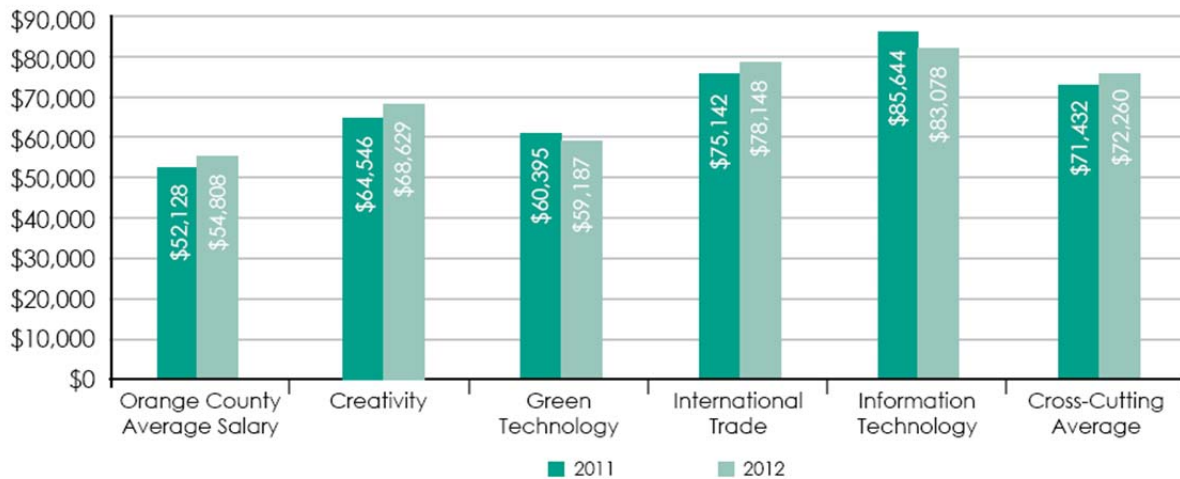
Orange County has long been a leader in computer and electronic software, service and product manufacturing, and a major portion of international exports are based on these products. Information technology occupations, namely those that connect businesses and provide computer software products and services, have aided in driving employment of various industries in the county. Professional and business services industries rely greatly on information technology for day-to-day operations with features such as email, video conferencing, cloud technologies and various computer software programs. These new technologies have allowed businesses to become more connected to their customers and promote business-to-business connections, which allow for increased collaborations and subsequently the expansion of this industry.

The average salary for the information technology industry is \$86,000, almost \$34,000 more than the average industry salary in the county. According to California’s Employment Development Department, the highest wage occupation in the

information technology industry is that of software publishers who earn an average of \$144,404 annually. This industry will be the main driver of employment and economic activity in the county. California’s Employment Development Department reported that three of the top six occupations with the most job ads/openings in Orange County were related to information technology—such as web developers, computer systems analysts and computer software engineers/applications.

CREATIVITY >> Orange County’s increasing focus on STEM (science, technology, engineering, math) as a critical competitive advantage has evolved into an emphasis on STEAM (science, technology, engineering, arts, math). The creativity sector is the market impact of businesses and individuals involved in producing cultural, artistic, and design goods and services. More specifically, it consists of creative professionals and enterprises that take powerful, original ideas and transform them into practical and often innovative goods, or inspire with their artistry.

Average Salaries in Orange County’s Selected Industry Drivers, 2012



Source: OCBC Analysis of California Employment Development Department data, Otis Report, Next10 and Los Angeles Economic Development Corporation

GREEN/CLEANTECH >> Many Orange County companies have altered business operations to include new environmentally sustainable practices, not only because of recent state and federal legislation, but also because efficient practices make good business sense. According to Next 10’s 2012 *Many Shades of Green* report, Orange County’s green employment increased by 62 percent, adding 6,900 jobs from 1995 to 2010 compared to the state green employment growth of 53 percent during the same period. Orange County’s overall job growth of 15 percent was the third largest growth rate in California, behind the Sacramento area (113 percent) and Bay area (78 percent).

The biggest sectors for employment were air and environment; energy generation; energy efficiency; water and wastewater; and recycling and waste. Growth in energy generation added 120 jobs, expanding 3.0 percent during the period from 2009 to 2010. Energy efficiency subsections—solar appliances and devices, lighting and energy conservation products—grew 12 percent, adding a combined 110 jobs during the same period.

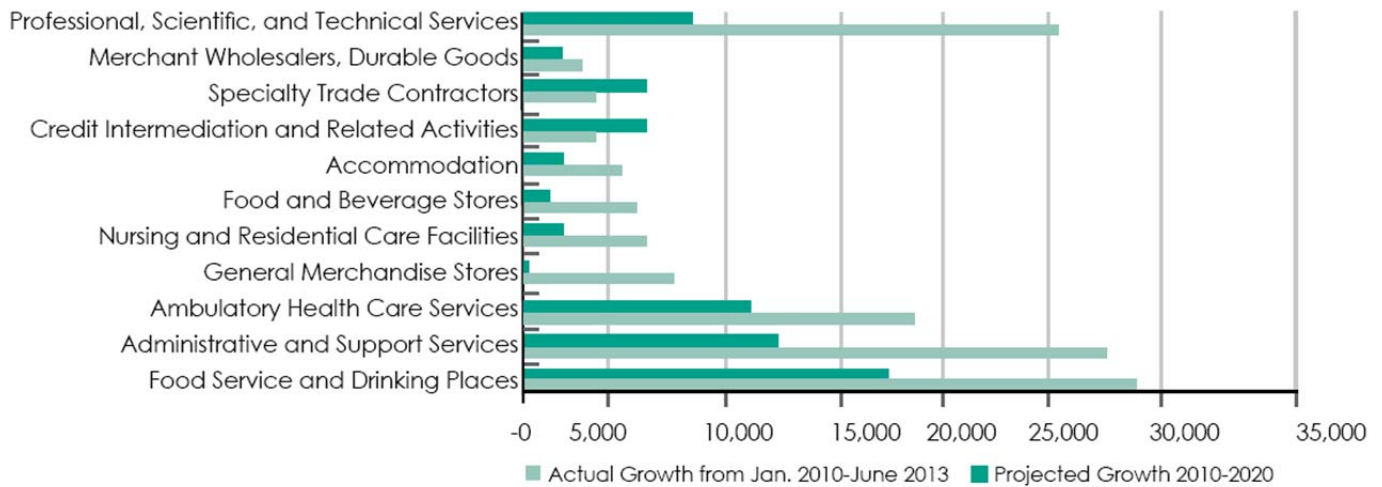
Industry Sector Overview

In 2012, EDD released its 2010 to 2020 employment projections for Orange County. This new adjusted schedule of employment growth provides a useful comparison point for assessing California’s speed in post-recession job expansion. EDD projections estimate that Orange County’s industry sector employment will grow by 13.3 percent from 2010 to 2020. So far, Orange County has grown its total employment base by 7.7 percent since 2010, signifying that the county is on the right track to meeting or even exceeding the 2020 estimates.

When looking at the industries that EDD projected to grow the fastest — both in terms of absolute and percentage growth - more than the 10-year period up to 2020, there is solid progress being made in meeting long-term projections for all but a select few industries estimated by EDD. While the majority of industry sectors are on track to meet or exceed growth expectations, others experienced stagnant employment growth from 2010 to 2013. The Professional, Scientific and Technical Services industry is projected to increase by more than 25,000 jobs and is

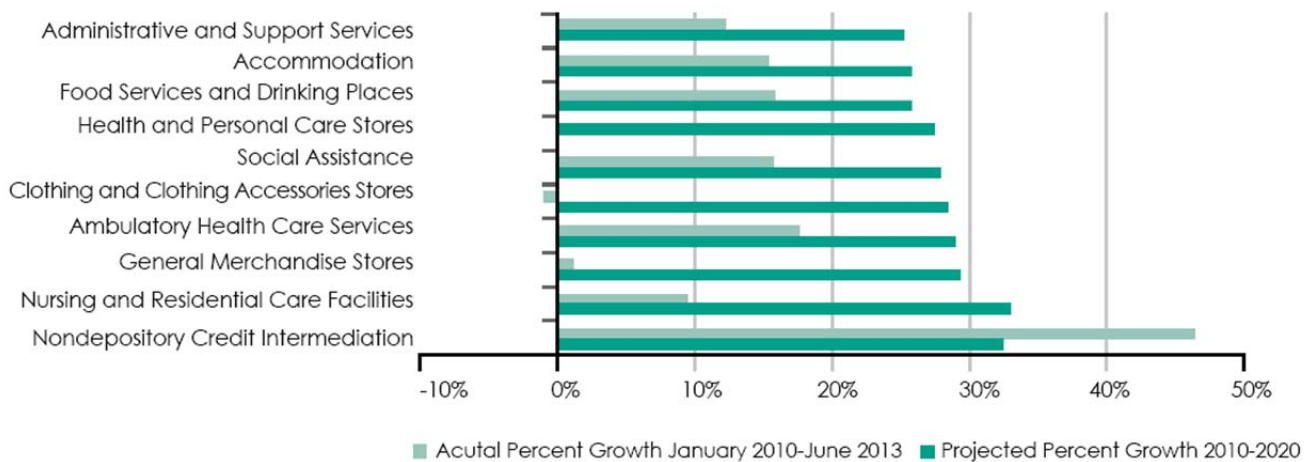
steadily reaching that goal with an actual 8,400-job increase since 2010. Food Services, Drinking Places, and Administrative and Support Services have greater anticipated employment growth than Professional Services, and appear to gain equally strong momentum in their hiring rates. Some industries, such as Specialty Trade Contractors and Credit Intermediation, have already exceeded the 10-year forecast by EDD in just three years. Only the General Merchandise Stores industry appears to be defying growth projections, having only increased employment minimally as of June 2013. In terms of percentage growth, Non-depository Credit Intermediation, Nursing and Residential Care Facilities and General Merchandise Stores are the leading industries in estimation, and Non-depository Credit Intermediation already advanced past predictions for percentage growth by 2020. The General Merchandise Stores industry sector also under performs in terms of percent growth, joined by Health and Personal Care Stores and Clothing and Clothing Accessory Stores.

Projected vs. Current Absolute Industry Growth



Source: California Employment Development Department

Projected vs. Current Percent Industry Growth



Source: California Employment Development Department

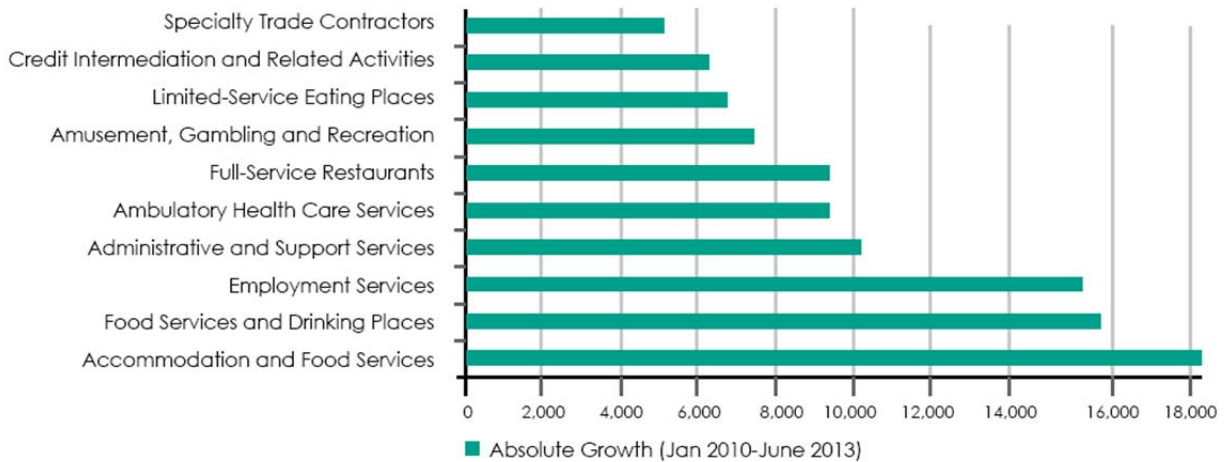
Taking into account performance of growth-driving industries so far compared to the EDD projections, what are Orange County's current overall fastest-growing industries that are driving the region's recovery? The industries that show the most growth since 2010 are useful indicators for identifying both Orange County's current standout industries and exploring what the county's future growth-driving industries might be.

The top 10 industries profiled below represent those adjusting well to the difficulties posed by the Great Recession and capitalizing on the needs of the labor market during the recovery. Employment Services boomed in the wake of

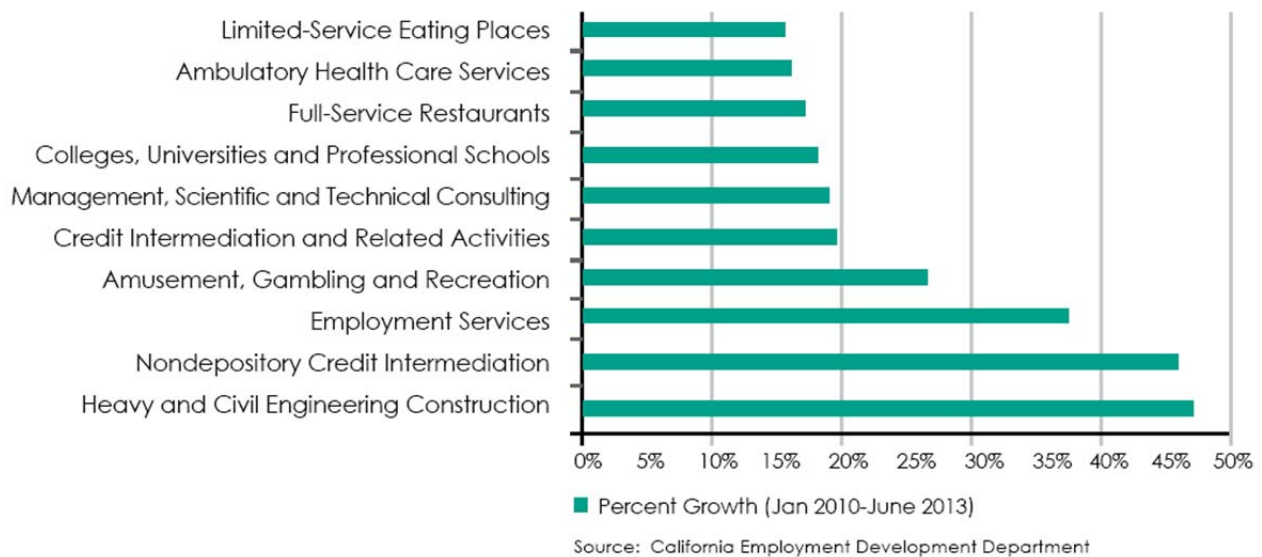
the recession, ranking third both in terms of absolute and percentage employment growth. Restaurants, entertainment venues and health service-related industries see the majority of immediate growth, thanks to their numerous entry-level positions and role in supporting Orange County’s dominance in tourism and medical technology. While absolute growth demonstrates the county’s current dominant industries, percentage growth depicts where emerging trends begin to take form — Heavy or Civil Construction and Credit Intermediation both lead percentage growth, signifying business and residential desire to finance expansionary projects that provide significant returns on investment.

Technical industries in Orange County generally rebounded well, yet are noticeably absent from the top 10 fastest-growing industries. Notable appearances include Credit Intermediation at more than 45 percent job growth, Scientific Consulting at just below 20 percent growth and College Employment at more than 17 percent growth. The continued development and growth of these and other more technical industries are important for the county’s future as a leader in high-tech industry employment.

Top Ten Fastest Growing Industries in Orange County by Absolute Growth, January 2010-June 2013



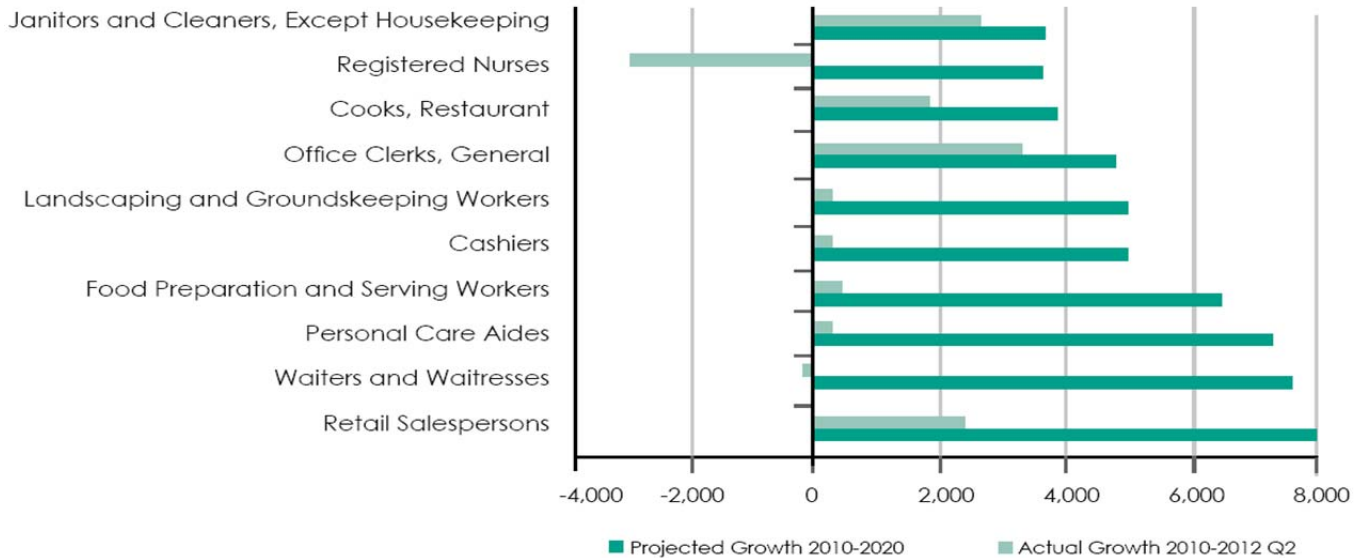
Top Ten Fastest Growing Industries in Orange County by Percent Growth, January 2010-June 2013



Occupational Overview

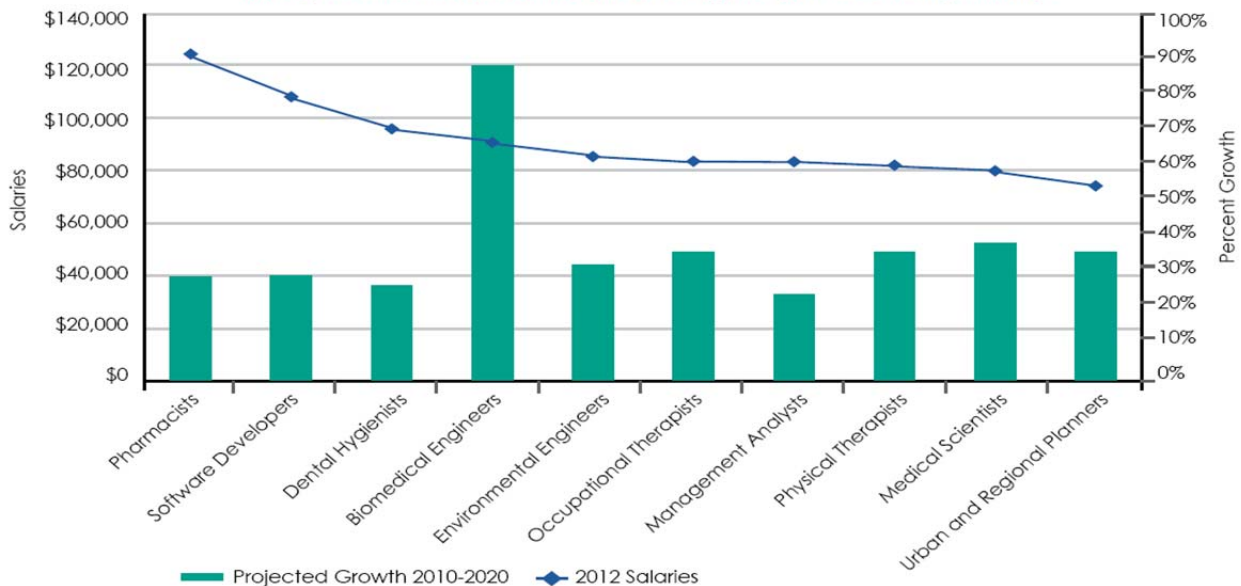
Occupations identified as the fastest growing in terms of absolute growth kept pace with or exceeded the EDD projections. Only Registered Nurses and Waiters and Waitresses experienced negative growth over the past three years, significantly diverging from the EDD's projections. Absolute job growth in retail, cooking and grounds-keeping generally adhered to the EDD projections for occupational employment growth. Office Clerks appear to be the closest occupation to meeting the EDD projections earlier than anticipated, currently only 1,250 new positions away from surpassing the 2020 forecast.

Top Ten Occupations by Absolute Job Growth, 2010-2020



Eight of the 10 projected fastest-growing occupations have annual salaries exceeding \$80,000 and are split between the High tech, Management and Healthcare clusters. Each occupation highlighted is expected to grow by at least 25 percent from 2010 to 2020. Biomedical Engineers have the fourth-highest average salary and already experienced 108 percent actual employment growth since 2010, drastically above the anticipated 86 percent growth spanning 2010 to 2020. High-wage occupations have the greatest impact on improving long-term regional prosperity and Biomedical/Life science and IT/Tech clusters are important targets for talent acquisition for the county.

Average Salaries of Fastest 2008-2018 Growing Occupations in Orange County

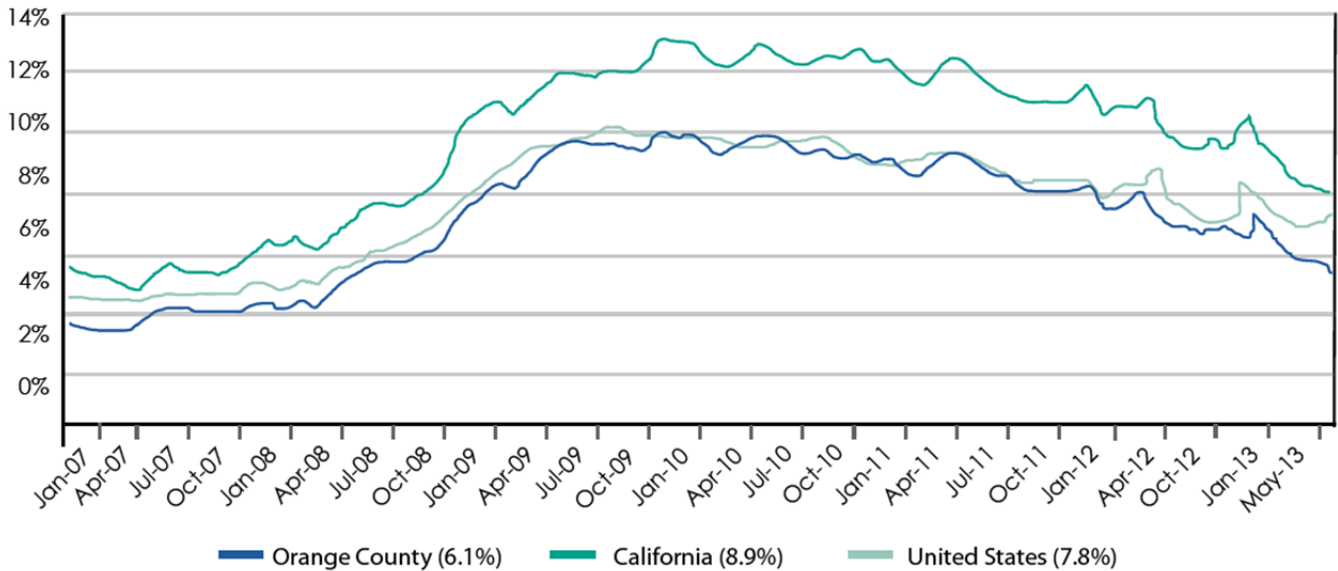


Source: California Employment Development Department

Unemployment

Orange County's unemployment peaked at 10 percent in January 2010. Since then, Orange County made significant advances toward economic recovery by creating more than 100,000 new private sector jobs. The county is well on the road to recovery, with unemployment dipping below 6 percent in April and May 2013 for the first time since 2008. While unemployment ticked up to 6.1 percent in June 2013, the Orange County economy continues to create jobs, 8,500 of them in fact. Job creation spread across most sectors, with the largest gains occurring in Tourism, Professional and Business Services, Trade/Logistics and Construction. The reason the unemployment rate increased slightly is primarily due to more people looking for work, a trend which can be expected to continue as the job market improves. Even so, the overall trend for Orange County's unemployment rate will likely continue downward for the rest of 2013.

Unemployment Rates of Orange County, California and United States, January 2007- May 2013



Source: California Employment Development Department

Earnings

The following table shows the number of jobs in 2012 and projected for 2020 by industry. It also provides the average annual earnings per job from the same year. The industries with the largest forecasted job growth are at the top of the list.

Orange County Average Earnings by Industry

Orange County - Average Earnings by Industry 2012				
Description	2012 Jobs	2020 Jobs	Change	2012 Avg. Annual Earnings Per Job
Health Care and Social Assistance	164,408	196,993	32,585	\$62,102
Accommodation and Food Services	150,813	177,071	26,258	\$23,904
Finance and Insurance	137,000	162,560	25,560	\$90,203
Professional, Scientific, and Technical Services	183,964	208,803	24,839	\$73,409
Real Estate and Rental and Leasing	132,242	153,627	21,385	\$38,930
Administrative and Support and Waste Management and Remediation Services	148,839	169,722	20,883	\$40,465
Construction	97,288	112,458	15,170	\$62,640
Retail Trade	177,429	192,055	14,626	\$38,469
Other Services (except Public Administration)	113,548	126,991	13,443	\$26,012
Wholesale Trade	88,605	96,764	8,159	\$85,683
Educational Services (Private)	37,511	45,011	7,500	\$33,179
Arts, Entertainment, and Recreation	59,068	66,319	7,251	\$29,578
Transportation and Warehousing	32,997	36,778	3,781	\$49,773
Mining, Quarrying, and Oil and Gas Extraction	7,464	10,893	3,429	\$25,869
Government	148,123	149,756	1,633	\$73,073
Unclassified Industry	6,507	7,456	949	\$75,490
Utilities	4,219	4,429	210	\$149,529
Information	31,334	31,427	93	\$82,201
Management of Companies and Enterprises	24,392	23,572	(820)	\$102,429
Agriculture, Forestry, Fishing and Hunting	3,868	3,000	(868)	\$33,560
Manufacturing	158,388	153,622	(4,766)	\$84,128
Total	1,908,007	2,129,305	221,298	\$57,450

Source: EMSI Complete Employment - 2013.1

Education Trends

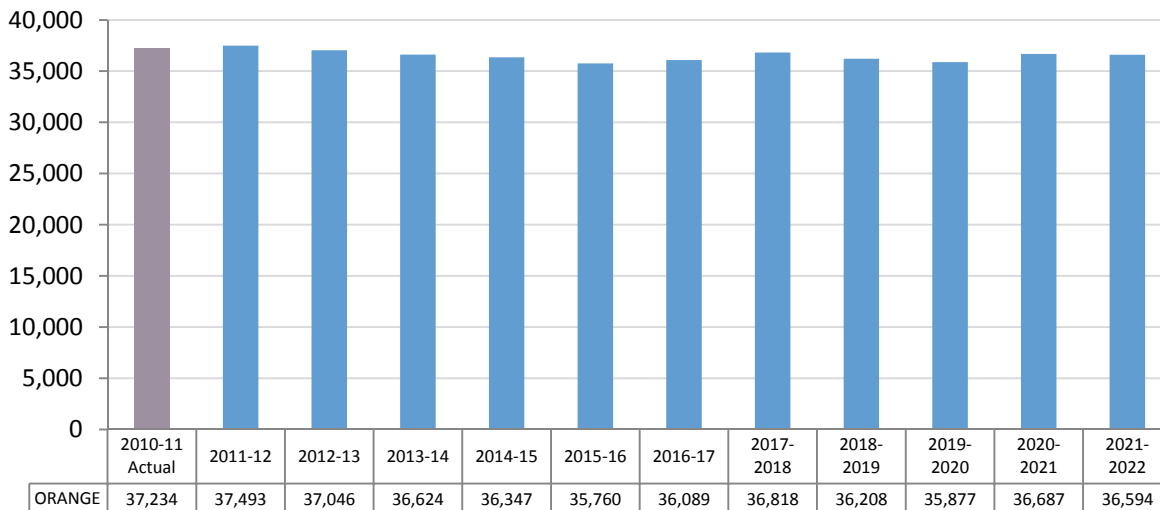
Source: 2013-14 Orange County Workforce Indicators Report.
<http://www.ocbc.org/research/workforce-indicators-report/>

Orange County continues to supply the region with a pipeline of well-educated, well-trained workers.

- Orange County has steadily improved its Academic Performance Index (API) scores since 2005. Twenty three out of 28 Orange County school districts exceeded the statewide API target scores of 800 in 2012 and 26 of the 28 districts improved scores from 2011 to 2012.
- As of 2012, Orange County’s high school students had an exit exam pass rate of 89 percent for Mathematics and 88 percent for English Language Arts. This is the highest pass rate yet for both subjects in the county and exceeds the state level pass rates of 84 and 83 percent, respectively.
- At 9.1 percent, Orange County had the lowest high school dropout rate compared to state and neighboring counties in 2012.
- More than 43 percent of Orange County high school students were eligible for entry into the UC/CSU university systems during the 2011-2012 school year, which is a slight improvement over the previous year and a significant 8 percent improvement compared to the 2009-2010 school year.
- Many future high-paying job opportunities will be created in Orange County’s rapidly growing high-tech industry cluster. The number of Science, Technology, English, Mathematics (STEM)-related undergraduate degrees awarded by Orange County increased over the past two years.
- Community colleges remain a vital part of the Orange County education system. More than 20,600 associate degrees were awarded during the 2011-2012 school year, a nearly 100 percent increase compared to five years ago.

High School Graduate Trends in Orange County

Orange County High School Graduation Projections

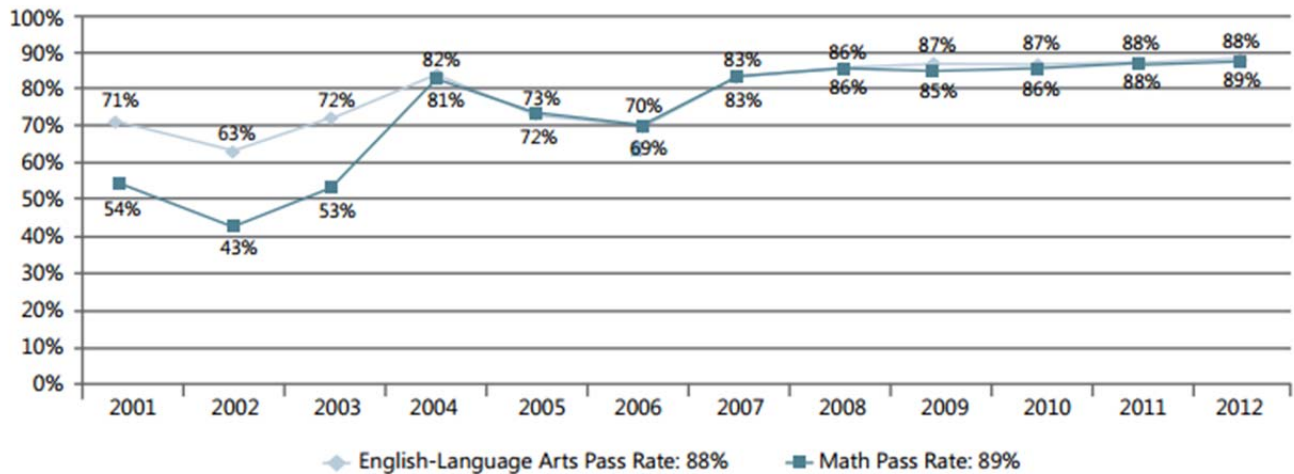


Orange County high school graduation projections through 2021-22 are expected to be steady and oscillate between 35,000 and 38,000 students.

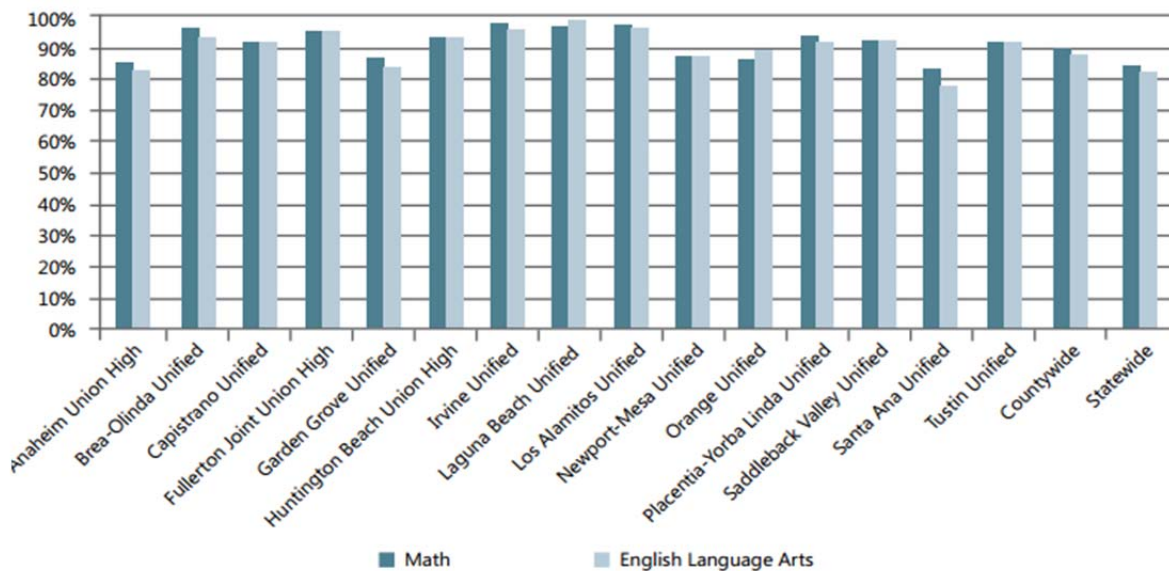
HIGH SCHOOL EXIT EXAM PERFORMANCE >> Orange County high school students are required to take the High School Exit Exam in order to graduate. Exit exams provide another tool in measuring cumulative student achievement. As of 2012, Orange County high schools students had an exam pass rate of 88 percent for English language arts and 89 percent for mathematics. This is the highest rate experienced for both subjects and exceeds the state level pass rates of 83% and 84%, respectively.

Santa Ana Unified School District's High School math pass rates are below the state average. For ELA, only three districts are performing below the state average: Anaheim Union High, Santa Ana Unified and Nova Academy Early College High. While pass rates for Santa Ana and other regions have increased in recent years, they are still slightly below average county rates and those of neighboring school districts.

Orange County Grade 10 High School Exit Exam Trend, 2001-2012



Grade 10 High School Exit Exam Pass Rate by District, 2011-2012



Source: California Department Of Education, Educational Demographics Unit

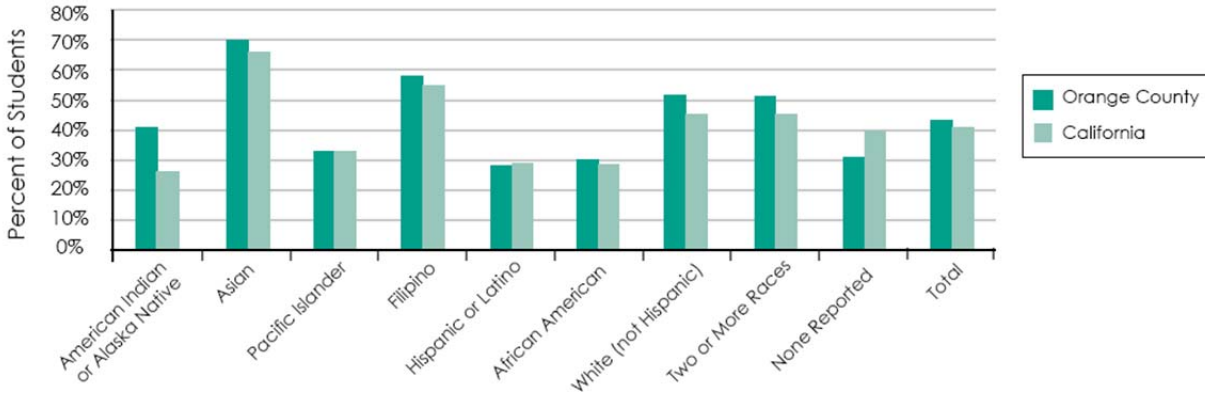
Every school district in Orange County outperformed the state averages for both Math and English Language Arts except for the following: Santa Ana Unified with exit exam pass rates of 78 percent for English Language Arts and 83 percent for Math, Anaheim Union High with a lower ELA pass rate of 82 percent and Nova Academy Early College High with an 80 percent pass rate.

More than 43 percent of Orange County high school students were eligible for entry into the UC/CSU university systems during the 2011-2012 school year, which is a slight improvement over the previous year, and a significant 8 percent improvement

compared to the 2009 to 2010 session.

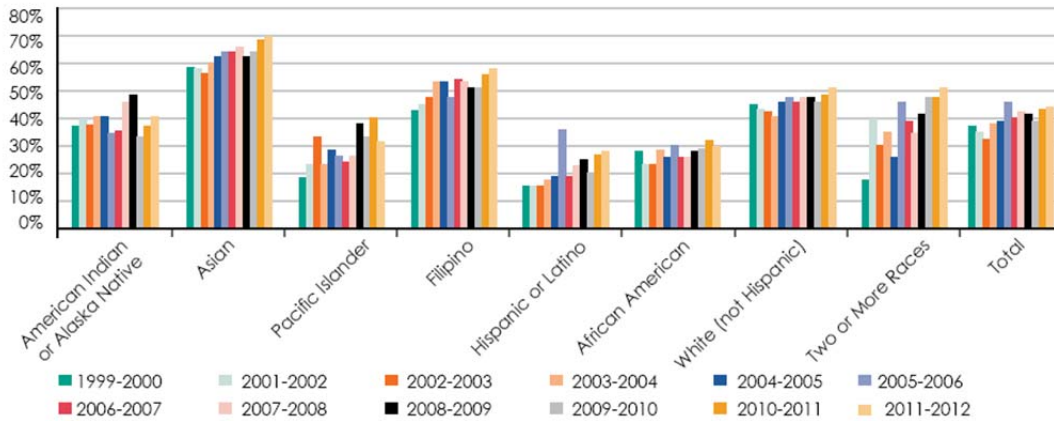
Asian students continue to achieve the highest levels of eligibility, while African American and Latino student eligibility rates in Orange County continue to under-perform compared to other ethnicities and are hovering near state eligibility levels. However, significant efforts within Orange County to address these low rates have clearly had a beneficial impact on the Latino population, which experienced an increase of more than 11 percent in eligibility since 2010.

UC/CSU Eligible Orange County and California Graduates, 2010-2012



Source: California Department of Education, Educational Demographics Unit

UC/CSU Eligible Graduates by Ethnicity, 2001-2012



Source: California Department of Education, Educational Demographics Unit

Orange County has historically been a well-educated community with educational attainment levels consistently higher than those of the state. Its fast growing industries and high quality of life have served as a magnet for both young and experienced professionals, while the university system has provided the county with a consistent flow of well-educated workers. The talent pool in Orange County has allowed high-wage occupations to grow, allowing the region to generate higher wages than surrounding areas and peer regions across the nation.

With much of Orange County’s future job growth expected in industries requiring advanced or specialized degrees, demand for individuals with these degrees will increase significantly. As a result, it will be important for the county to prepare its current and future workforce to meet this new demand. College level and advanced degree educations are increasingly important for job opportunities and high-wage occupations. As technologies improve, business processes become more efficient, and job competition increases; in turn, the need for individuals with advanced, specialized degrees increases dramatically

Educational Attainment for the Population 25 Years and Over

Cities Within the Coast District Service Area	CM	FV	GG	HB	NPB	SB	West.
No schooling completed	1,188	478	6,470	871	197	247	3,002
Nursery school	0	0	2,435	43	0	27	65
Kindergarten	0	0	0	53	0	0	38
1st grade	0	144	0	0	0	0	104
2nd grade	399	40	0	20	0	26	101
3rd grade	278	0	0	312	62	0	267
4th grade	131	43	0	135	17	23	305
5th grade	267	229	6,612	39	95	48	565
6th grade	2,989	444	0	983	169	0	1,931
7th grade	498	53	2,886	187	20	21	513
8th grade	1,209	192	0	787	13	84	585
9th grade	1,090	117	2,759	907	240	0	1,743
10th grade	1,167	614	1,999	452	185	137	1,721
11th grade	1,472	494	1,799	823	187	207	1,488
12th grade, no diploma	1,695	963	4,158	2,644	292	217	3,368
Regular hs diploma	12,272	6,219	24,719	23,212	5,683	3,039	12,691
GED or alternative	1,231	884	1,864	2,168	497	207	1,629
Some college, less than 1 year	4,033	2,833	8,155	9,200	1,802	1,400	3,237
Some college, 1 or more years, no degree	13,093	7,494	20,721	25,368	9,873	3,679	10,318
Associate's degree	7,678	4,049	8,809	15,131	4,133	1,819	5,356
Bachelor's degree	19,157	9,960	15,072	35,923	23,867	4,826	9,593
Master's degree	5,510	3,367	4,082	12,592	9,061	2,749	2,064
Professional school degree	1,883	1,036	1,312	4,583	5,113	686	586
Doctorate degree	780	431	278	2,600	2,113	464	320
Total:	78,020	40,084	114,130	139,033	63,619	19,906	61,590

Source: US Census

2009-11 American Community Survey (ACS)

<http://factfinder2.census.gov/>

Internal Data

Enrollments

Students Enrolled (FTES) by College by Residency Status

Academic Year	2008-2009			2009-2010			2010-2011			2011-2012			2012-2013		
	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res
CCC	172	268	6,593	107	283	5,810	75	163	5,737	71	113	5,700	65	94	5,213
CCC M/CE	0	456	5	0	390	5	0	0	0	0	0	0	0	0	0
GWC	310	111	10,480	318	115	10,677	276	129	10,601	240	117	10,102	203	99	9,172
OCC	863	411	20,022	859	423	19,526	803	401	18,732	761	334	17,850	718	274	15,907
Total	1,346	1,246	37,099	1,284	1,211	36,017	1,154	693	35,070	1,072	563	33,653	986	467	30,292

Source: CCCD Enrollment Productivity Data Cube (filtered out classes with an attendance accounting method of 'Other FTES Exempt ' classes)
 FTES-Full-Time Equivalent Student, Intl-International Students, OOS-Out of State

Students Enrolled (FTES) by College by Discipline by Residency Status

Academic Year	Subject	Site	2008-2009			2009-2010			2010-2011			2011-2012			2012-2013		
			FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res
	Accounting	CCC	2	1	132	3	2	181	2	5	199	3	2	188	3	2	175
		GWC	16	2	292	18	3	263	17	3	241	13	2	207	11	2	199
		OCC	27	7	448	35	10	483	32	12	463	28	9	478	34	7	397
	Airline Travel	OCC	9	0	19	4	0	11	1	0	7	1	0	7	1	0	7
	Allied Health	OCC	1	1	109	0	2	106	1	1	102	1	1	94	1	2	99
	Am Sign Lang	CCC	0	0	5	0	0	4	0	0	5	0	0	0	0	0	0
		GWC	1	1	116	1	1	138	1	0	133	1	0	116	1	1	99
	Amer Studies	OCC	3	1	23	2	0	19	1	0	17	0	0	0	0	0	0
	Anthropology	CCC	0	0	40	0	0	40	0	0	36	0	0	45	0	0	46
		GWC	2	2	162	2	2	147	3	2	160	2	1	158	2	1	131
		OCC	17	8	380	12	8	344	12	7	309	15	6	320	12	5	289
	Arabic	CCC	0	0	8	0	0	8	0	0	8	0	0	3	0	0	0
	Architecture	GWC	2	1	58	1	0	53	1	0	21	0	0	3	0	0	3
		OCC	14	2	150	12	2	184	15	3	182	14	3	190	9	2	161
	Art	CCC	5	5	330	4	7	328	3	2	248	2	1	205	1	1	212
		CCCM	0	20	1	0	17	0	0	0	0	0	0	0	0	0	0
		GWC	5	3	286	4	2	330	9	3	346	5	3	320	7	3	260
		OCC	36	12	649	34	12	633	27	13	577	26	9	560	26	7	523
	Astronomy	CCC	0	1	84	0	0	24	0	1	46	0	0	21	0	0	27
		CCCM	0	23	0	0	19	0	0	0	0	0	0	0	0	0	0
		GWC	2	1	59	1	1	60	1	1	65	1	0	60	1	0	54
		OCC	3	1	118	2	1	73	1	1	59	1	1	41	2	2	96
	Auto Collision	GWC	0	0	79	0	0	0	0	0	0	0	0	0	0	0	0
	Automotive Technology	GWC	1	1	106	1	1	162	1	0	225	2	2	213	3	0	169
	Aviation Maint Tech	OCC	0	0	99	0	0	109	5	1	119	8	0	111	7	1	107
	Pilot Train	OCC	1	0	35	0	1	54	1	1	49	1	1	60	1	2	54
	Biology	CCC	5	5	474	4	3	417	6	4	454	3	2	488	5	2	456
		CCCM	0	51	1	0	39	0	0	0	0	0	0	0	0	0	0
		GWC	32	8	1,000	32	6	1,052	26	9	1,009	21	10	1,006	21	7	820

Academic Year		2008-2009			2009-2010			2010-2011			2011-2012			2012-2013		
Subject	Site	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res
	OCC	32	18	933	30	16	901	31	11	845	24	12	827	27	11	770
Broadcast & Vid Prod	GWC	1	0	32	0	0	39	0	0	1	0	0	0	0	0	0
Broadcasting	OCC	0	0	4	0	0	3	0	0	4	0	0	5	0	0	3
Building Codes Tech	CCC	0	0	34	0	0	39	0	0	42	0	0	39	0	0	25
Building Tech	CCC	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
Business	CCC	1	1	512	1	1	307	1	2	281	1	2	266	1	1	290
	CCCM	0	16	0	0	15	0	0	0	0	0	0	0	0	0	0
	GWC	7	3	193	10	2	184	8	3	162	6	2	174	6	2	164
	OCC	16	12	443	17	12	436	17	12	392	15	11	363	14	5	283
Bus Comp	CCC	0	1	92	0	2	162	1	1	149	1	0	135	0	0	90
CardioTech	OCC	2	0	86	0	0	77	0	0	71	0	0	70	0	0	70
Chemistry	CCC	1	2	149	3	1	139	1	1	134	1	0	110	0	1	141
	GWC	17	4	342	19	5	365	19	5	365	19	4	353	14	3	344
	OCC	27	9	534	28	6	552	26	6	523	27	7	498	20	5	462
Chinese	CCC	0	0	11	0	0	15	1	0	17	0	0	11	1	0	11
	GWC	2	0	13	2	0	14	1	0	16	0	0	0	0	0	0
Coll Success	GWC	4	2	113	5	1	105	6	1	99	3	0	92	4	1	78
Comm Studies	CCC	0	1	131	0	1	83	0	1	88	0	0	49	1	1	67
	CCCM	0	41	1	0	27	0	0	0	0	0	0	0	0	0	0
	GWC	12	4	292	10	2	280	9	3	284	8	2	251	6	2	219
	OCC	0	0	0	0	0	0	0	0	0	16	10	557	20	9	502
Computer & High Tech	OCC	1	0	5	0	0	9	0	0	11	0	0	11	0	0	8
Comp Bus A	GWC	3	0	81	2	1	90	2	1	97	2	1	85	1	0	59
CIS	CCC	0	0	13	0	1	21	1	0	27	0	0	29	0	0	31
	CCCM	0	3	0	0	4	0	0	0	0	0	0	0	0	0	0
	OCC	16	5	370	18	6	380	10	4	326	10	3	311	15	3	296
Computer Sci	CCCM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	GWC	9	1	152	11	2	169	12	1	182	10	1	200	9	1	193
	OCC	10	1	118	9	1	126	7	3	128	7	1	145	7	2	143
Computer Services Tech	CCC	0	0	118	0	0	145	1	1	139	2	1	151	0	1	126
Constr Tech	OCC	1	2	162	0	1	174	0	2	178	0	1	151	0	0	130
Coop Work Experience	GWC	0	0	0	0	0	0	0	0	3	0	0	14	0	0	12
Cosmetology	GWC	8	2	485	15	3	468	8	6	478	5	3	418	2	4	435
Counseling	CCC	2	0	278	2	1	128	1	1	129	1	1	140	1	0	112
	GWC	1	1	82	2	1	82	1	1	85	1	1	72	0	0	63
	OCC	3	3	142	3	3	139	4	3	143	3	2	135	4	2	131
Crim Justice	GWC	0	2	433	0	4	372	0	2	390	0	1	354	0	2	304
Culinary Arts	OCC	2	1	129	4	1	122	3	1	118	1	1	114	1	1	104
Dance	CCC	1	0	28	0	0	29	0	0	25	0	0	25	0	0	0
	GWC	1	1	65	2	0	73	1	0	59	1	0	41	1	0	32
	OCC	10	4	228	7	3	230	5	2	209	4	2	187	6	2	177
Dental Assist	OCC	0	0	44	0	0	44	0	1	40	0	0	42	0	0	39
Design	GWC	1	0	25	1	0	33	0	0	35	0	1	41	0	0	44
	OCC	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Diagn Med Sonography	OCC	4	4	99	0	0	92	0	0	86	0	0	93	0	0	89
Diesel	GWC	0	0	27	0	0	0	0	0	0	0	0	0	0	0	0

Academic Year		2008-2009			2009-2010			2010-2011			2011-2012			2012-2013		
Subject Technology	Site	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res
Digital Arts	GWC	1	1	147	2	2	146	1	2	142	1	1	121	1	0	115
Digital Graphic Appl	CCC	0	0	29	0	0	44	0	0	56	0	0	61	0	0	56
Digital Media	GWC	0	0	0	0	0	0	0	0	61	1	0	62	1	0	61
Digital Media Arts & Design	OCC	18	4	182	19	2	177	13	5	196	9	3	183	9	2	178
Display & Visual Pres	OCC	1	0	3	0	0	2	0	0	3	0	0	3	0	0	3
Drafting	GWC	0	0	33	0	0	33	0	0	27	0	0	24	0	0	27
	OCC	3	2	100	1	1	65	1	0	23	0	0	4	0	0	0
Early Childh	OCC	1	0	78	1	0	67	1	1	63	1	0	61	1	0	71
Ecology	CCC	0	0	36	0	0	20	0	0	14	0	0	11	0	0	0
	CCCM	0	3	0	0	3	0	0	0	0	0	0	0	0	0	0
	GWC	0	0	7	0	0	8	0	0	8	0	0	8	0	0	8
	OCC	2	1	38	3	0	35	2	1	33	2	1	32	1	0	18
Economics	CCC	2	1	65	1	1	59	2	1	59	1	0	59	1	1	61
	GWC	5	1	85	9	1	78	8	1	65	8	1	100	6	1	94
	OCC	20	12	370	22	11	324	19	8	282	20	5	255	18	4	194
Education	CCC	0	0	23	0	0	23	0	0	16	0	0	17	0	0	16
	GWC	0	0	16	0	0	17	0	0	14	0	0	14	0	0	9
	OCC	0	0	21	0	0	17	0	0	14	0	0	0	0	0	0
Electr Tech	OCC	0	1	51	2	1	52	0	0	49	0	1	51	0	1	51
Emerg Mgmt	CCC	0	0	7	0	0	20	0	0	28	0	0	44	0	0	38
Emerg Med Services	OCC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Emergency Medical Tech	OCC	1	0	52	0	1	49	1	1	72	0	1	33	0	0	1
Engineering	OCC	1	0	13	0	0	12	1	0	12	1	0	8	1	0	8
Engineer Tech	GWC	0	0	13	0	0	19	0	0	7	0	0	5	0	0	6
English	CCC	4	2	238	4	2	281	4	3	260	3	3	289	4	2	293
	GWC	25	9	768	28	11	736	21	8	727	21	9	730	15	5	683
	OCC	43	30	1,527	44	30	1,411	42	31	1,404	39	25	1,416	41	19	1,259
Writing Center	GWC	4	0	50	6	1	58	4	1	53	4	1	54	3	1	41
ESL	CCC	125	204	373	61	225	540	30	118	631	38	80	634	33	60	502
	GWC	23	5	230	21	4	247	12	7	230	10	5	223	9	5	202
	OCC	137	13	313	128	16	312	119	11	295	107	14	283	92	11	204
Envir Studies	GWC	1	0	22	0	1	30	0	0	34	1	1	64	1	1	27
Ethnic Studies	OCC	1	1	59	1	1	66	1	2	67	2	1	62	1	1	53
Family & Consumer Sci	OCC	0	0	6	0	0	7	0	0	5	0	0	0	0	0	0
Farsi	GWC	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
Fashion	OCC	8	4	145	6	3	125	8	3	126	8	2	121	3	1	101
Film & Video	OCC	18	7	342	16	8	326	15	8	289	13	5	226	11	5	224
Floral Design	GWC	1	0	43	2	0	44	0	0	39	0	0	39	0	0	36
Food Service Management	OCC	5	0	98	5	2	99	5	1	111	3	1	105	2	1	105
Foods & Nutr	CCC	0	1	124	0	1	70	0	1	85	0	1	100	0	1	71
	OCC	4	3	87	2	1	95	4	1	96	3	1	76	2	0	67
French	CCC	1	0	26	1	0	27	0	0	21	0	0	16	0	0	19
	GWC	1	0	28	1	0	33	1	0	33	0	0	0	0	0	0
	OCC	3	1	92	2	2	81	3	3	76	4	2	79	3	1	61

Academic Year		2008-2009			2009-2010			2010-2011			2011-2012			2012-2013		
Subject	Site	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res
Gen Studies	OCC	1	0	27	0	1	31	0	1	42	1	1	32	0	0	27
Geography	CCC	1	1	19	1	1	19	1	0	5	0	0	4	0	0	4
	GWC	2	1	74	2	1	105	2	1	102	2	2	101	1	1	106
	OCC	9	6	276	13	6	260	14	7	254	11	7	265	14	4	226
Geology	CCC	0	1	138	0	1	99	0	0	86	0	1	93	0	0	99
	CCCM	0	17	0	0	15	0	0	0	0	0	0	0	0	0	0
	GWC	1	1	63	1	1	73	1	1	51	1	0	51	1	0	48
	OCC	8	4	177	9	2	142	5	3	145	6	4	155	7	2	139
German	OCC	1	1	36	0	0	38	0	1	31	0	0	0	0	0	0
Gerontology	CCC	0	0	11	0	0	12	0	0	10	0	0	13	0	0	12
Health	CCC	1	0	184	0	1	106	0	1	99	0	0	117	0	1	103
Health Ed	GWC	1	1	77	1	1	94	1	2	103	2	2	116	2	1	108
	OCC	2	2	65	3	3	67	2	3	80	3	1	73	2	2	61
HVAC	OCC	0	0	51	0	0	77	0	0	85	0	0	71	0	0	76
History	CCC	2	2	249	2	2	169	2	3	201	1	2	214	1	2	191
	CCCM	0	49	1	0	49	1	0	0	0	0	0	0	0	0	0
	GWC	11	4	377	12	3	363	10	6	379	9	4	405	7	4	383
	OCC	20	12	561	18	12	546	18	12	492	15	9	469	17	7	408
Hospitality, Travel & Tour	OCC	9	0	36	19	3	73	21	3	79	18	1	86	16	1	78
Hotel Mgmt	OCC	2	0	14	1	0	6	1	0	5	1	0	5	1	0	4
Human Devel	OCC	2	1	120	1	1	106	1	1	98	2	1	87	1	1	74
Human Svcs	CCC	0	0	24	0	0	28	0	0	38	0	0	32	0	0	30
Humanities	CCC	0	1	106	0	1	80	1	0	75	1	1	89	0	1	70
	CCCM	0	32	0	0	28	0	0	0	0	0	0	0	0	0	0
	GWC	1	1	100	1	2	119	2	3	141	2	3	120	1	3	112
	OCC	3	2	88	2	3	96	1	2	84	1	1	50	2	1	61
Informatics	CCC	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Intercoll Athl	OCC	0	0	0	0	0	0	0	0	0	0	0	0	3	18	324
Interior Desgn	OCC	5	1	90	4	0	89	5	1	88	5	0	89	5	0	77
Intern	OCC	1	0	7	2	0	34	1	0	30	0	1	31	0	0	28
Interpreting	GWC	0	0	31	0	0	30	0	0	34	0	0	29	0	0	21
Italian	CCC	0	0	12	0	0	15	0	0	18	0	0	13	0	0	0
	OCC	1	1	60	1	1	54	1	1	40	1	1	38	0	0	24
Japanese	OCC	10	2	83	7	2	82	6	1	75	8	1	62	5	1	51
Journalism	GWC	0	1	16	1	0	20	0	0	26	0	0	35	1	1	45
	OCC	0	1	45	1	2	44	0	1	38	1	1	28	0	1	28
Kinesiology	GWC	0	0	0	0	0	0	0	0	0	0	0	0	0	1	43
	OCC	0	0	0	0	0	0	0	0	0	0	0	0	13	10	426
Law	CCC	0	0	62	0	1	92	0	1	95	0	1	97	1	1	88
Leadership	CCC	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	OCC	0	0	9	1	1	19	1	1	18	0	0	18	1	1	26
Learning	OCC	0	1	49	0	0	45	0	1	42	0	0	43	0	0	45
Learning Skills	CCC	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
	GWC	1	0	15	1	0	16	1	0	16	1	0	16	1	0	15
Library	CCC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	GWC	0	0	3	0	0	4	0	0	4	0	0	4	0	0	3
	OCC	0	0	0	0	0	3	0	0	2	0	0	6	0	0	4
Machine Tech	OCC	0	1	68	0	1	66	0	2	68	1	1	84	0	1	91

Academic Year		2008-2009			2009-2010			2010-2011			2011-2012			2012-2013		
Subject	Site	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res
Management	GWC	2	0	32	1	1	36	1	1	32	1	0	30	1	0	33
	OCC	1	1	37	2	2	43	1	1	40	1	1	36	0	1	35
Mgmt & Super	CCC	0	0	38	0	1	59	0	0	59	0	1	71	0	1	80
	CCCM	0	4	0	0	4	0	0	0	0	0	0	0	0	0	0
Marine Act	OCC	0	0	30	1	2	30	0	0	27	0	0	23	0	0	27
Marine Sci	CCC	0	0	50	0	0	29	1	0	33	0	0	29	0	0	31
	CCCM	0	12	0	0	9	0	0	0	0	0	0	0	0	0	0
	OCC	5	5	255	8	7	248	6	6	236	9	6	237	9	4	204
Marketing	GWC	0	0	15	0	0	18	1	0	12	1	0	8	0	0	13
	OCC	8	5	108	7	6	117	7	5	121	7	3	110	4	3	101
Mass Comm	CCC	0	0	0	0	0	0	0	0	0	0	0	22	0	1	81
	OCC	3	4	101	4	3	103	3	2	81	0	0	0	0	0	0
Mathematics	CCC	3	4	538	5	4	512	4	4	520	3	2	442	4	2	426
	CCCM	0	35	1	0	32	1	0	0	0	0	0	0	0	0	0
	GWC	35	10	924	26	11	969	24	13	996	22	12	999	17	9	941
	OCC	85	43	2,127	80	45	2,058	75	44	2,084	77	38	2,068	74	31	1,714
Medical Asst	OCC	0	0	27	0	0	27	2	0	34	1	1	24	0	0	18
Medical Trans	OCC	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0
Music	CCC	1	11	54	1	7	47	0	0	51	0	0	43	0	0	32
	GWC	4	3	201	3	1	225	5	2	204	6	3	168	5	2	171
	OCC	25	9	568	25	13	545	21	10	481	25	9	492	20	8	434
Natural Sci	OCC	0	0	41	0	0	8	0	0	0	0	0	0	0	0	0
Neurodiag Tech	OCC	0	0	27	1	0	49	0	0	20	0	0	40	0	0	28
Nursing	GWC	15	2	440	13	1	383	2	1	358	1	0	321	2	0	281
Nutrition Care	OCC	2	0	14	1	0	9	0	1	12	1	0	10	1	0	16
Ornam Hort	OCC	1	0	45	2	1	65	2	1	62	1	0	56	0	0	57
Peace Studies	GWC	0	0	8	0	0	16	0	0	19	0	0	18	0	0	23
Philosophy	CCC	1	2	262	1	2	201	1	1	174	1	2	202	1	2	196
	CCCM	0	37	0	0	34	0	0	0	0	0	0	0	0	0	0
	GWC	7	2	182	6	3	191	7	3	196	6	3	212	4	2	200
	OCC	8	8	337	7	7	342	11	9	340	9	7	340	11	8	306
Photography	CCC	0	0	3	0	0	1	0	0	2	0	0	1	0	0	1
	GWC	1	1	79	1	1	84	2	0	69	1	1	57	0	0	25
	OCC	9	7	322	10	6	290	8	5	320	8	3	245	7	2	213
Physical Ed	CCC	4	9	166	1	5	119	0	0	25	0	0	28	0	0	15
	GWC	8	11	465	7	14	521	8	14	482	6	17	391	7	19	352
	OCC	28	45	1,358	34	48	1,232	24	33	1,006	21	28	871	0	0	10
Physical Sci	GWC	0	0	17	0	0	24	0	0	29	0	0	12	0	0	12
Physics	CCC	0	0	20	0	1	36	0	0	34	0	0	41	0	0	35
	GWC	7	1	93	6	1	87	8	2	85	9	2	89	6	1	67
	OCC	15	4	189	16	3	181	15	3	181	16	2	167	9	2	142
Political Sci	CCC	1	1	127	2	1	102	2	3	136	1	1	119	1	2	126
	CCCM	0	11	0	0	6	0	0	0	0	0	0	0	0	0	0
	GWC	8	3	199	7	1	191	7	3	219	6	2	203	6	3	208
	OCC	16	12	492	19	12	516	19	13	472	18	13	462	16	10	412
Polysomphy	OCC	1	0	15	0	0	2	0	0	18	0	0	3	0	0	25
Process Tech	CCC	0	1	14	0	2	42	0	0	23	0	0	21	0	0	25
Prof PE	GWC	0	1	11	0	1	13	0	1	22	0	1	17	0	0	0

Academic Year		2008-2009			2009-2010			2010-2011			2011-2012			2012-2013		
Subject	Site	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res	FTES Intl	FTES OOS	FTES Res
Psychology	CCC	2	1	374	2	1	265	1	1	246	2	2	243	1	1	224
	CCCM	0	78	0	0	67	0	0	0	0	0	0	0	0	0	0
	GWC	6	5	456	8	5	508	8	5	502	7	6	539	6	4	469
	OCC	27	21	932	31	22	943	28	17	911	27	17	950	33	16	863
Radiol Tech	OCC	0	0	141	0	0	139	0	0	126	0	0	119	0	0	115
Real Estate	CCC	0	0	31	0	0	54	0	0	40	0	0	33	0	0	31
	GWC	0	0	42	0	0	27	0	0	21	0	0	0	0	0	0
	OCC	1	2	98	1	1	73	1	1	57	0	1	43	1	1	45
Relig Studies	OCC	1	2	81	1	3	88	2	1	74	2	1	68	2	1	60
Respi Care	OCC	0	0	117	0	0	117	0	0	97	0	0	102	0	0	72
Schl Hlth Asst	OCC	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
Social Sci	CCC	0	1	13	0	1	12	0	0	0	0	0	0	0	0	0
	GWC	0	0	4	0	0	5	0	0	6	0	0	6	0	0	6
Sociology	CCC	0	1	169	0	0	109	0	1	112	0	0	130	0	1	114
	CCCM	0	8	0	0	10	0	0	0	0	0	0	0	0	0	0
	GWC	4	4	261	4	3	256	3	4	239	3	3	239	5	2	221
	OCC	15	9	438	13	8	417	11	11	402	9	9	336	11	7	324
Spanish	CCC	1	1	252	1	0	164	4	1	168	1	0	158	1	1	136
	CCCM	0	15	0	0	12	0	0	0	0	0	0	0	0	0	0
	GWC	4	2	200	2	2	198	3	3	171	3	1	146	1	2	145
	OCC	6	6	310	8	7	300	7	8	289	7	4	244	8	5	217
Special Ed	CCC	3	5	203	1	3	166	2	2	154	2	3	175	1	5	153
	GWC	0	0	12	0	0	14	0	0	15	0	0	10	0	0	4
Special Topics	GWC	0	0	1	0	0	3	0	0	7	0	0	0	0	0	0
Speech	CCC	1	0	47	2	1	49	3	1	62	1	1	62	0	0	3
Speech Comm	OCC	15	11	562	18	13	566	17	10	539	1	0	12	0	0	0
Spch Path Asst	OCC	1	0	41	0	0	42	0	0	45	0	0	38	0	0	35
Technology	OCC	0	0	26	0	1	21	0	0	7	0	0	7	0	0	3
Theater Arts	CCC	1	0	8	0	0	0	0	0	6	0	0	4	0	0	0
	GWC	3	1	89	3	1	104	2	1	103	2	1	89	2	1	80
	OCC	6	4	170	6	5	157	6	3	157	7	5	153	4	3	122
Tutoring	GWC	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1
	OCC	9	2	84	14	4	144	25	10	386	30	9	430	26	7	347
Vietnamese	CCC	1	0	55	2	0	65	1	0	67	0	0	68	0	0	39
	GWC	2	0	54	1	1	57	1	1	65	1	1	48	0	0	44
	OCC	1	0	36	1	0	31	0	0	12	0	0	0	0	0	0
Welding Tech	OCC	0	1	124	0	3	116	0	2	127	0	2	109	0	2	117
Total		1,346	1,246	37,099	1,284	1,211	36,017	1,154	693	35,070	1,072	563	33,653	986	467	30,292

Source: CCD Enrollment Productivity Data Cube (filtered out classes with an attendance accounting method of 'Other FTES Exempt' classes)
 Intl-International Students, OOS-Out of State

Class Enrollments (Fall 2013 Census) in 200 Level Classes

(sorted highest to lowest enrollments)

As an indirect estimate measure of student demand for a major, the table below aggregates the census enrollments of all 200 level courses for the Fall 2013. The estimate for major demand will improve over the next couple of years as Degree Works use by students increases.

Banner Subject Title	CCC	GWC	OCC	District Total
Biology	462	819	674	1,955
Psychology	155	267	899	1,321
Physical Education (Includes teams)	0	418	455	873
Business	307	0	252	559
Kinesiology	0	39	455	494
Chemistry	67	88	293	448
Mathematics	31	56	261	348
Hospitality, Travel & Tourism	0	0	281	281
Music	0	63	218	281
Computer Services Technology	247	0	0	247
Accounting	0	133	83	216
Food Service Management	0	0	213	213
Communication Studies	0	187	0	187
Communication Studies	0	0	174	174
English	46	46	70	162
Art	35	23	96	154
Nursing	0	142	0	142
Computer Science	0	15	121	136
Construction Technology	0	0	132	132
Respiratory Care	0	0	129	129
Architecture	0	0	127	127
Film & Video	0	0	127	127
Culinary Arts	0	0	113	113
Neuro diagnostic Technology	0	0	105	105
Welding Technology	0	0	102	102
Physics	0	33	67	100
Cardiovascular Technology	0	0	96	96
American Sign Language	0	96	0	96
Dance	0	27	66	93
Early Childhood	0	0	88	88
Photography	0	0	88	88
Interior Design	0	0	81	81
Radiologic Technology	0	0	69	69
Computer Information Systems	0	0	67	67
Leadership	0	0	66	66
Diagnostic Medical Sonography	0	0	60	60
Education	18	38	0	56
Spanish	0	19	36	55
Health Education	0	0	52	52
Banner Subject Title	CCC	GWC	OCC	District

Criminal Justice	0	50	0	50
Fashion	0	0	50	50
Digital Media Arts & Design	0	0	47	47
Theater Arts	0	8	38	46
Human Development	0	0	41	41
Anthropology	0	0	39	39
French	0	0	33	33
Marketing	0	0	32	32
Building Codes Technology	26	0	0	26
Gerontology	26	0	0	26
Nutrition Care	0	0	22	22
Japanese	0	0	21	21
Vietnamese	0	19	0	19
Philosophy	0	0	18	18
Management	0	0	16	16
Digital Arts	0	14	0	14
Journalism	0	10	2	12
Sociology	0	0	11	11
Hotel Management	0	0	9	9
Marine Science	0	0	7	7
Peace Studies	0	5	0	5
Law	4	0	0	4
Business Computing	2	0	0	2
Aviation Pilot Training	0	0	1	1

Source: CCCD Enrollment Productivity Cube

Faculty

Faculty (Full-time equivalent faculty -FTEF) by College by Status (FT/PT)

Term Year		Fall 2010		Fall 2011		Fall 2012		Fall 2013	
Site		FTEF		FTEF		FTEF		FTEF	
		Value	% by c group	Value	% by c group	Value	% by c group	Value	% by c group
CCC	Full-Time	41.6	46.5%	41.6	45.9%	38.6	46.6%	40.6	43.1%
	Part-Time	47.8	53.5%	49.0	54.1%	44.2	53.4%	53.5	56.9%
	Total CCC	89.3	13.7%	90.5	14.3%	82.8	14.0%	94.1	15.6%
GWC	Full-Time	130.0	67.0%	122.5	64.3%	124.2	69.1%	123.6	67.2%
	Part-Time	64.0	33.0%	68.1	35.7%	55.6	30.9%	60.4	32.8%
	Total GWC	194.0	29.7%	190.6	30.1%	179.8	30.5%	184.0	30.6%
OCC	Full-Time	253.9	68.8%	246.4	70.0%	245.7	75.1%	240.3	74.3%
	Part-Time	115.2	31.2%	105.7	30.0%	81.3	24.9%	83.1	25.7%
	Total OCC	369.1	56.6%	352.1	55.6%	327.0	55.5%	323.4	53.8%
Total by COLUMNS		652.3	100.0	633.2	100.0	589.5	100.0	601.5	100.0

Source: CCCD Employee Profile Cube (Includes full-time and part-time instructional faculty plus counselors and librarians)

Productivity

WSCH/FTEF (595) by College

Academic Year	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
College	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est
CCC	648	590	596	657	661
GWC	602	661	683	703	693
OCC	656	694	700	720	700
Total	639	665	676	704	691

WSCH/FTEF (595) by College by Discipline

Academic Year		2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est
Accounting	CCC	667	690	660	728	708
	GWC	591	633	645	592	642
	OCC	711	819	812	826	861
Airline Travel Careers	OCC	375	458	540	530	545
Allied Health	OCC	990	853	1,032	935	1,083
American Sign Language	CCC	248	354	371		
	GWC	614	733	708	722	614
American Studies	OCC	567	692	679		
Anthropology	CCC	945	698	759	874	767
	GWC	926	1,013	1,037	1,034	1,190
	OCC	834	805	785	850	850
Arabic	CCC	479	692	641	422	
Architecture	GWC	466	435	409	424	405
	OCC	479	447	455	479	429
Art	CCC	541	584	592	640	696
	GWC	585	656	700	782	782
	OCC	690	698	692	723	735
Astronomy	CCC	928	773	677	919	694
	GWC	959	963	1,038	966	921
	OCC	906	754	785	661	660
Auto Collision Repair	GWC	521				
Automotive Technology	GWC	397	461	461	502	469
Aviation Maintenance Tech	OCC	460	498	561	565	527
Aviation Pilot Training	OCC	338	512	434	486	488
Biology	CCC	755	764	683	685	648
	GWC	786	814	781	727	637
	OCC	780	819	811	808	785
Broadcast & Video Production	GWC	344	588	563		
Broadcasting	OCC	363	456	388	439	422
Building Codes Technology	CCC	379	359	381	498	519
Building Technology	CCC	268				
Business	CCC	1,561	1,133	920	881	1,010
	GWC	605	678	682	697	726
	OCC	733	783	785	799	708
Business Computing	CCC	329	477	489	526	542
Cardiovascular Technology	OCC	1,396	1,222	1,117	1,104	1,031
Chemistry	CCC	666	641	578	537	547
	GWC	590	631	679	656	658
	OCC	727	761	763	787	745
Chinese	CCC	398	382	435	574	591

Academic Year		2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est
	GWC	678	704	731		
College Success	GWC	559	601	603	611	604
Communication Studies	CCC	1,885	1,522	1,214	1,483	470
	GWC	509	556	540	548	556
	OCC				631	626
Computer & High Technology	OCC	456	523	619	624	478
Computer Business Applications	GWC	264	350	362	448	329
Computer Information Systems	CCC	258	447	525	564	504
	OCC	564	597	588	595	582
Computer Science	GWC	440	522	593	681	657
	OCC	536	654	670	735	734
Computer Services Technology	CCC	345	400	364	402	416
Construction Technology	OCC	417	483	504	437	400
Cooperative Work Experience	GWC		19	1,546	6,986	5,743
Cosmetology	GWC	441	474	513	459	480
Counseling	CCC	1,854	1,303	855	1,138	1,001
	GWC	561	624	669	652	633
	OCC	525	550	568	567	542
Criminal Justice	GWC	407	501	561	664	587
Culinary Arts	OCC	459	459	437	461	478
Dance	CCC	446	524	532	568	
	GWC	392	507	562	606	544
	OCC	561	623	550	567	547
Dental Assisting	OCC	502	511	465	482	443
Design	GWC	381	469	491	580	620
	OCC	388				
Diagnostic Medical Sonography	OCC	1,005	865	812	909	935
Diesel Technology	GWC	409				
Digital Arts	GWC	513	499	508	522	480
Digital Graphic Applications	CCC	325	442	410	414	415
Digital Media	GWC			500	509	504
Digital Media Arts & Design	OCC	519	506	536	534	534
Display & Visual Presentation	OCC	574	422	574	540	506
Drafting	GWC	452	418	399	404	453
	OCC	408	459	446	405	
Early Childhood	OCC	411	449	433	412	416
Ecology	CCC	904	956	766	1,159	
	GWC	591	658	709	700	633
	OCC	804	838	747	728	721
Economics	CCC	855	953	781	800	716
	GWC	852	821	822	909	931

Academic Year		2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	WSCH/FTEF	WSCH/FTEF	WSCH/FTEF	WSCH/FTEF	WSCH/FTEF
		595 Est	595 Est	595 Est	595 Est	595 Est
	OCC	976	966	872	843	738
Education	CCC	351	468	329	373	332
	GWC	528	606	513	548	575
	OCC	593	543	462		
Electronics Technology	OCC	346	359	461	521	423
Emergency Management	CCC	248	413	461	607	568
Emergency Medical Services	OCC					613
Emergency Medical Technology	OCC	579	551	545	563	440
Engineering	OCC	512	481	512	506	317
Engineering Technology	GWC	366	427	617	482	540
English	CCC	391	457	354	413	422
	GWC	502	521	512	525	523
	OCC	505	522	526	522	519
English Writing/Reading Center	GWC	353	423	437	474	532
English as a Second Language	CCC	358	367	541	613	692
	GWC	462	556	531	579	537
	OCC	526	548	569	562	556
Environmental Studies	GWC	541	435	453	394	358
Ethnic Studies	OCC	746	844	919	927	1,001
Family & Consumer Sciences	OCC	506	641	405		
Farsi	GWC	117	8			
Fashion	OCC	466	452	460	515	536
Film & Video	OCC	984	897	858	751	783
Floral Design	GWC	462	506	443	506	457
Food Service Management	OCC	535	567	640	664	693
Foods & Nutrition	CCC	1,286	1,011	967	1,184	1,120
	OCC	739	722	711	707	675
French	CCC	369	537	426	499	735
	GWC	377	578	580		
	OCC	601	723	754	713	667
Gender Studies	OCC	651	629	771	759	772
Geography	CCC	446	462	844	709	608
	GWC	975	1,175	1,146	1,232	1,272
	OCC	759	763	761	801	759
Geology	CCC	1,047	978	715	860	1,020
	GWC	772	890	701	698	704
	OCC	1,006	710	969	1,146	1,893
German	OCC	551	580	624		
Gerontology	CCC	435	552	547	700	640
Health	CCC	1,412	750	727	1,138	1,107
Health Education	GWC	774	817	1,012	1,171	1,327

Academic Year		2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est
	OCC	634	679	691	630	621
Heating & Air Conditioning	OCC	645	734	812	729	786
History	CCC	978	823	834	914	807
	GWC	909	988	965	975	982
	OCC	785	841	848	883	854
Hospitality, Travel & Tourism	OCC	279	390	443	494	483
Hotel Management	OCC	417	610	575	580	545
Human Development	OCC	858	844	816	917	1,239
Human Services	CCC	484	587	637	650	615
Humanities	CCC	871	917	828	952	1,006
	GWC	703	908	953	1,012	1,276
	OCC	826	900	895	958	954
Informatics	CCC				197	
Intercollegiate Athletics	OCC					343
Interior Design	OCC	409	375	361	430	394
Intern	OCC					
Interpreting	GWC	645	613	694	685	510
Italian	CCC	344	442	451	640	
	OCC	630	632	598	638	608
Japanese	OCC	580	641	615	579	552
Journalism	GWC	259	274	392	468	615
	OCC	127	201	331	426	380
Kinesiology	GWC					715
	OCC					858
Law	CCC	443	591	554	644	603
Leadership	CCC	84				
	OCC	734	831	814	743	751
Learning	OCC	876	789	759	782	814
Learning Skills	CCC			9	38	26
	GWC	126	154	244	271	220
Library	CCC					246
	GWC	820	918	1,025	1,025	820
	OCC		726	542	730	558
Machine Technology	OCC	351	472	395	434	451
Management	GWC	548	575	573	558	591
	OCC	657	758	679	634	610
Management & Supervision	CCC	563	778	693	787	825
Marine Activities	OCC	448	436	356	378	417
Marine Science	CCC	964	889	777	818	936
	OCC	1,131	1,215	1,095	1,154	1,083
Marketing	GWC	619	754	728	683	731

Academic Year		2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est	WSCH/FTEF 595 Est
	OCC	746	853	822	859	811
Mass Communications	CCC				1,045	1,498
	OCC	1,082	1,030	1,057		
Mathematics	CCC	665	638	587	649	627
	GWC	873	916	939	897	893
	OCC	690	735	773	807	781
Medical Assisting	OCC	447	440	705	634	490
Medical Transcription	OCC	190	328	309		
Music	CCC	490	463	598	696	819
	GWC	512	545	631	673	758
	OCC	818	844	855	925	912
Natural Science	OCC	852	629			
Neurodiagnostic Technology	OCC	393	582	289	657	461
Nursing	GWC	2,242	2,079	1,945	2,045	2,249
Nutrition Care	OCC	251	264	322	348	429
Ornamental Horticulture	OCC	501	600	577	625	545
Peace Studies	GWC	658	654	772	743	866
Philosophy	CCC	1,088	1,063	930	1,157	1,004
	GWC	778	869	893	918	957
	OCC	722	790	817	802	786
Photography	CCC	323	472	508	489	194
	GWC	430	537	483	581	628
	OCC	530	498	544	451	436
Physical Education	CCC	655	687	584	657	700
	GWC	641	655	718	771	772
	OCC	693	690	537	576	643
Physical Science	GWC	594	709	788	550	540
Physics	CCC	571	549	483	482	477
	GWC	565	621	758	761	673
	OCC	574	600	607	602	617
Political Science	CCC	1,082	1,076	873	841	862
	GWC	1,018	1,118	1,133	1,111	1,198
	OCC	1,022	1,128	1,147	1,173	1,105
Polysomnography	OCC	388	489	445	945	664
Process Technology	CCC	319	509	340	470	536
Professional Physical Ed	GWC	558	596	655	775	
Psychology	CCC	920	825	783	881	894
	GWC	933	1,058	1,061	1,120	1,144
	OCC	1,196	1,207	1,187	1,230	1,243
Radiologic Technology	OCC	1,390	1,370	1,246	1,170	1,133
Real Estate	CCC	459	631	577	547	572

Academic Year		2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	WSCH/FTEF	WSCH/FTEF	WSCH/FTEF	WSCH/FTEF	WSCH/FTEF
		595 Est	595 Est	595 Est	595 Est	595 Est
	GWC	605	745	624		
	OCC	663	768	747	728	754
Religious Studies	OCC	628	782	853	803	769
Respiratory Care	OCC	963	1,286	1,108	1,161	820
School Health Assistant	OCC	169				
Social Sciences	CCC	327	350			
	GWC	675	793	979	996	962
Sociology	CCC	1,011	1,025	1,063	1,156	1,113
	GWC	938	1,040	1,032	1,073	1,068
	OCC	891	931	997	869	919
Spanish	CCC	1,225	983	748	855	765
	GWC	465	546	519	552	541
	OCC	567	609	598	628	580
Special Education	CCC	359	276	309	320	305
	GWC	159	205	381	262	121
Special Topics	GWC					
Speech	CCC	376	468	432	475	591
Speech Communications	OCC	533	554	584	544	
Speech/Language Path Assist	OCC	504	494	535	453	394
Technology	OCC	471	453	456	413	388
Theater Arts	CCC	301		396	673	
	GWC	271	320	315	302	299
	OCC	539	551	545	592	522
Tutoring	GWC	5	11	67	77	102
	OCC	940	8,390	21,762	24,331	19,664
Vietnamese	CCC	502	543	639	730	847
	GWC	533	559	638	713	640
	OCC	732	781	608		
Welding Technology	OCC	235	309	413	379	470
Total by COLUMNS		639	665	676	704	691

Student Outcomes

Student Course Success Rate by College

Academic Year	2009-2010	2010-2011	2011-2012	2012-2013
College	Course Success	Course Success	Course Success	Course Success
CCC	67.1%	68.5%	67.6%	64.5%
GWC	69.8%	70.5%	70.5%	69.4%
OCC	73.9%	74.7%	74.1%	73.5%
Overall District-wide	71.7%	72.4%	71.9%	70.7%

Student Course Success Rate by College by Discipline

Academic Year		2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	Course Success	Course Success	Course Success	Course Success
Accounting		71%	69%	70%	69%
	CCC	63%	60%	63%	63%
	GWC	70%	72%	69%	68%
	OCC	75%	72%	74%	73%
Airline Travel Careers	OCC	67%	75%	62%	72%
Allied Health	OCC	83%	85%	88%	86%
American Sign Language		83%	82%	76%	74%
	CCC	100%	98%		
	GWC	82%	81%	76%	74%
American Studies	OCC	71%	79%		
Anthropology		70%	69%	69%	68%
	CCC	69%	71%	67%	64%
	GWC	63%	56%	62%	63%
	OCC	73%	75%	72%	71%
Arabic	CCC	89%	87%	96%	
Architecture		77%	74%	73%	68%
	GWC	81%	81%	59%	64%
	OCC	76%	73%	73%	68%
Art		81%	81%	81%	82%
	CCC	84%	86%	83%	81%
	GWC	72%	72%	76%	80%
	OCC	84%	84%	83%	83%
Astronomy		68%	70%	79%	74%
	CCC	57%	57%	71%	41%
	GWC	68%	76%	80%	81%
	OCC	73%	73%	82%	79%
Automotive Technology	GWC	73%	79%	77%	76%
Aviation Maintenance Tech	OCC	87%	85%	85%	86%

Academic Year		2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	Course Success	Course Success	Course Success	Course Success
Aviation Pilot Training	OCC	67%	68%	66%	67%
Biology		75%	74%	75%	70%
	CCC	81%	78%	78%	73%
	GWC	75%	74%	75%	70%
	OCC	71%	72%	71%	68%
Broadcast & Video Production	GWC	60%	88%		
Broadcasting	OCC	89%	84%	84%	96%
Building Codes Technology	CCC	82%	76%	77%	84%
Business		59%	62%	63%	61%
	CCC	53%	57%	57%	53%
	GWC	54%	56%	59%	57%
	OCC	66%	69%	69%	70%
Business Computing	CCC	68%	66%	63%	65%
Cardiovascular Technology	OCC	98%	94%	99%	97%
Chemistry		78%	76%	78%	77%
	CCC	82%	85%	88%	81%
	GWC	70%	67%	70%	73%
	OCC	80%	77%	79%	77%
Chinese		61%	62%	63%	54%
	CCC	55%	62%	63%	54%
	GWC	68%	62%		
College Success	GWC	62%	65%	66%	66%
Communication Studies		78%	78%	82%	84%
	CCC	62%	58%	58%	78%
	GWC	84%	84%	84%	84%
	OCC			84%	85%
Computer & High Technology	OCC	75%	74%	85%	74%
Computer Business Applications	GWC	52%	55%	58%	54%
Computer Information Systems		65%	66%	65%	63%
	CCC	57%	65%	62%	58%
	OCC	66%	66%	65%	64%
Computer Science		71%	76%	72%	69%
	GWC	73%	76%	69%	67%
	OCC	68%	76%	76%	70%
Computer Services Technology	CCC	71%	70%	70%	71%
Construction Technology	OCC	69%	69%	64%	67%
Cooperative Work Experience	GWC	100%	78%	92%	96%
Cosmetology	GWC	90%	93%	92%	92%
Counseling		61%	69%	66%	68%
	CCC	44%	57%	52%	52%
	GWC	65%	67%	66%	66%
	OCC	73%	77%	77%	78%
Criminal Justice	GWC	78%	80%	76%	76%

Academic Year		2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	Course Success	Course Success	Course Success	Course Success
Culinary Arts	OCC	85%	85%	85%	88%
Dance		75%	78%	81%	76%
	CCC	79%	85%	87%	
	GWC	71%	73%	79%	80%
	OCC	76%	78%	80%	76%
Dental Assisting	OCC	94%	93%	98%	95%
Design	GWC	94%	85%	84%	91%
Diagnostic Medical Sonography	OCC	93%	92%	94%	91%
Digital Arts	GWC	73%	66%	70%	67%
Digital Graphic Applications	CCC	56%	49%	49%	46%
Digital Media	GWC		64%	69%	74%
Digital Media Arts & Design	OCC	76%	80%	83%	78%
Display & Visual Presentation	OCC	88%	82%	97%	77%
Drafting		78%	77%	72%	66%
	GWC	77%	78%	70%	66%
	OCC	80%	75%	86%	
Early Childhood	OCC	87%	88%	85%	89%
Ecology		70%	72%	63%	68%
	CCC	67%	70%	60%	
	GWC	53%	67%	64%	55%
	OCC	74%	74%	65%	72%
Economics		58%	66%	63%	60%
	CCC	54%	66%	62%	59%
	GWC	56%	73%	69%	72%
	OCC	59%	64%	60%	55%
Education		75%	69%	67%	59%
	CCC	74%	64%	62%	47%
	GWC	74%	67%	74%	80%
	OCC	78%	78%		
Electronics Technology	OCC	75%	65%	69%	66%
Emergency Management	CCC	64%	54%	55%	54%
Emergency Medical Services	OCC				78%
Emergency Medical Technology	OCC	77%	71%	73%	76%
Engineering	OCC	79%	80%	76%	71%
Engineering Technology	GWC	86%	77%	96%	89%
English		72%	71%	71%	71%
	CCC	70%	68%	65%	69%
	GWC	70%	70%	74%	73%
	OCC	73%	73%	72%	71%
English Writing/Reading Center	GWC	65%	68%	62%	67%
English as a Second Language		75%	78%	80%	79%
	CCC	73%	81%	84%	83%
	GWC	72%	71%	73%	74%

Academic Year		2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	Course Success	Course Success	Course Success	Course Success
	OCC	79%	81%	78%	81%
Environmental Studies	GWC	77%	84%	78%	78%
Ethnic Studies	OCC	70%	69%	67%	60%
Family & Consumer Sciences	OCC	81%	80%		
Farsi	GWC	100%			
Fashion	OCC	84%	84%	85%	89%
Film & Video	OCC	76%	75%	76%	79%
Floral Design	GWC	85%	86%	82%	79%
Food Service Management	OCC	75%	75%	73%	75%
Foods & Nutrition		73%	73%	69%	70%
	CCC	64%	59%	61%	56%
	OCC	79%	83%	79%	83%
French		73%	76%	77%	69%
	CCC	65%	57%	63%	31%
	GWC	61%	76%		
	OCC	81%	84%	82%	80%
Gender Studies	OCC	73%	63%	62%	61%
Geography		69%	69%	68%	68%
	CCC	83%	96%	95%	95%
	GWC	50%	51%	57%	61%
	OCC	76%	75%	72%	70%
Geology		76%	78%	70%	73%
	CCC	69%	69%	66%	59%
	GWC	73%	74%	81%	85%
	OCC	82%	85%	70%	83%
German	OCC	87%	77%		
Gerontology	CCC	66%	64%	64%	59%
Health	CCC	63%	73%	67%	65%
Health Education		75%	76%	72%	73%
	GWC	69%	71%	65%	69%
	OCC	83%	82%	82%	80%
Heating & Air Conditioning	OCC	85%	89%	91%	86%
History		71%	70%	68%	67%
	CCC	62%	62%	61%	60%
	GWC	69%	69%	67%	68%
	OCC	75%	74%	74%	69%
Hospitality, Travel & Tourism	OCC	76%	77%	76%	75%
Hotel Management	OCC	71%	57%	75%	67%
Human Development	OCC	78%	75%	78%	80%
Human Services	CCC	60%	61%	55%	50%
Humanities		74%	72%	69%	69%
	CCC	72%	70%	65%	61%
	GWC	70%	71%	68%	73%

Academic Year		2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	Course Success	Course Success	Course Success	Course Success
	OCC	79%	77%	81%	71%
Informatics	CCC			38%	
Intercollegiate Athletics	OCC				92%
Interior Design	OCC	83%	83%	85%	80%
Intern	OCC	87%	91%	89%	87%
Interpreting	GWC	88%	79%	71%	65%
Italian		66%	67%	67%	81%
	CCC	52%	47%	38%	
	OCC	70%	75%	76%	81%
Japanese	OCC	69%	69%	69%	76%
Journalism		79%	78%	73%	51%
	GWC	77%	79%	71%	41%
	OCC	79%	76%	74%	73%
Kinesiology					86%
	GWC				75%
	OCC				87%
Law	CCC	81%	82%	83%	83%
Leadership	OCC	87%	88%	83%	78%
Learning	OCC	85%	88%	88%	89%
Library		62%	68%	74%	72%
	CCC				48%
	GWC	75%	67%	74%	74%
	OCC	47%	70%	74%	77%
Machine Technology	OCC	77%	84%	77%	82%
Management		62%	57%	61%	59%
	GWC	59%	55%	66%	61%
	OCC	65%	58%	57%	58%
Management & Supervision	CCC	70%	64%	64%	54%
Marine Activities	OCC	74%	84%	82%	80%
Marine Science		71%	72%	72%	73%
	CCC	67%	71%	73%	67%
	OCC	72%	72%	72%	75%
Marketing		75%	76%	81%	80%
	GWC	63%	46%	73%	63%
	OCC	76%	78%	81%	82%
Mass Communications		83%	87%	59%	59%
	CCC			59%	59%
	OCC	83%	87%		
Mathematics		56%	55%	57%	56%
	CCC	54%	60%	62%	57%
	GWC	50%	50%	54%	53%
	OCC	59%	57%	58%	57%
Medical Assisting	OCC	87%	94%	97%	94%

Academic Year		2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	Course Success	Course Success	Course Success	Course Success
Medical Transcription	OCC	86%	80%		
Music		75%	75%	75%	69%
	CCC	77%	73%	73%	63%
	GWC	68%	71%	65%	66%
	OCC	78%	77%	78%	71%
Natural Science	OCC	81%			
Neurodiagnostic Technology	OCC	99%	87%	97%	96%
Nursing	GWC	89%	90%	95%	93%
Nutrition Care	OCC	62%	89%	92%	86%
Ornamental Horticulture	OCC	71%	74%	72%	68%
Peace Studies	GWC	71%	75%	75%	68%
Philosophy		71%	72%	69%	69%
	CCC	69%	69%	67%	67%
	GWC	70%	70%	69%	67%
	OCC	73%	74%	71%	71%
Photography		68%	69%	67%	67%
	CCC	67%	94%	84%	91%
	GWC	68%	69%	69%	77%
	OCC	68%	68%	67%	66%
Physical Education		80%	87%	89%	91%
	CCC	81%	79%	78%	63%
	GWC	88%	89%	92%	92%
	OCC	77%	86%	88%	96%
Physical Science	GWC	77%	81%	85%	58%
Physics		72%	80%	76%	71%
	CCC	74%	72%	81%	77%
	GWC	58%	83%	67%	63%
	OCC	78%	80%	78%	74%
Political Science		68%	70%	68%	66%
	CCC	63%	61%	52%	49%
	GWC	70%	74%	75%	72%
	OCC	69%	71%	69%	68%
Polysomnography	OCC	100%	99%	99%	99%
Process Technology	CCC	68%	59%	65%	58%
Professional Physical Ed	GWC	85%	80%	74%	
Psychology		72%	74%	73%	72%
	CCC	70%	72%	70%	67%
	GWC	66%	68%	67%	64%
	OCC	76%	78%	77%	77%
Radiologic Technology	OCC	97%	95%	96%	96%
Real Estate		71%	70%	74%	75%
	CCC	67%	65%	68%	71%
	GWC	58%	55%		

Academic Year		2009-2010	2010-2011	2011-2012	2012-2013
Subject	College	Course Success	Course Success	Course Success	Course Success
	OCC	79%	78%	78%	78%
Religious Studies	OCC	69%	75%	72%	72%
Respiratory Care	OCC	98%	97%	98%	95%
Social Sciences	GWC	71%	91%	95%	86%
Sociology		69%	66%	63%	60%
	CCC	58%	58%	54%	54%
	GWC	66%	65%	66%	58%
	OCC	73%	68%	63%	63%
Spanish		73%	74%	73%	73%
	CCC	62%	66%	66%	62%
	GWC	70%	67%	65%	69%
	OCC	82%	84%	82%	81%
Special Education		73%	71%	68%	70%
	CCC	77%	75%	69%	74%
	GWC	67%	65%	66%	64%
Special Topics	GWC	96%	89%		
Speech	CCC	88%	81%	82%	94%
Speech Communications	OCC	84%	85%	89%	
Speech/Language Path Assist	OCC	98%	98%	95%	96%
Technology	OCC	85%	91%	83%	70%
Theater Arts		82%	82%	80%	81%
	CCC		89%	27%	
	GWC	82%	81%	79%	83%
	OCC	82%	82%	82%	80%
Tutoring		99%	100%	99%	99%
	GWC	98%	100%	100%	98%
	OCC	100%	100%	98%	100%
Vietnamese		84%	89%	96%	86%
	CCC	87%	94%	97%	90%
	GWC	75%	83%	93%	81%
	OCC	92%	96%		
Welding Technology	OCC	76%	80%	81%	87%
Total by COLUMNS		72%	72%	72%	71%

Degrees and Certificates Awarded by Program

The following table contains a list of all programs at the colleges with 2012-13 completions. They are organized by Program Title and include the award type and completions during 2012-13 at each of the colleges.

CCCD Program Completions

		2012-2013			
Award Title	Award Type	CCC Awards	GWC Awards	OCC Awards	Total Awards
AA Emergency Mgmt/Crim Justice	Associate Degree	5	0	0	5
AA-Liberal Arts CSU	Associate Degree	1	0	0	1
ACCT: Taxation Specialization	Associate Degree	4	0	0	4
AMT: Airframe	Post Second. Cert/Dipl >1 < 2	0	0	2	2
AMT: Airframe & Powerplant		0	0	12	12
	Associate Degree	0	0	5	5
	Post Second. Cert/Dipl >1 < 2	0	0	7	7
AMT: Powerplant	Post Second. Cert/Dipl >1 < 2	0	0	3	3
Accounting		1	11	31	43
	Associate Degree	0	11	18	29
	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
	Post Second. Cert/Dipl >1 < 2	0	0	13	13
Accounting: General Accounting	Associate Degree	7	0	0	7
Admin Professional (Assistant)	Post Second. Cert/Dipl < 1 yr.	3	0	0	3
Administrative Assistant	Associate Degree	0	1	0	1
Administrative Manager		17	0	0	17
	Associate Degree	14	0	0	14
	Post Second. Cert/Dipl < 1 yr.	3	0	0	3
Advanced Baking & Pastry	Post Second. Cert/Dipl < 1 yr.	0	0	9	9
Advanced Culinary Arts		0	0	31	31
	Associate Degree	0	0	11	11
	Post Second. Cert/Dipl >1 < 2	0	0	20	20
American Studies	Associate Degree	30	0	0	30
Anthropology	Associate Degree	0	2	4	6
Arch Tech: Design 1		0	0	32	32
	Associate Degree	0	0	9	9
	Post Second. Cert/Dipl < 1 yr.	0	0	23	23
Arch Tech: Design 2		0	0	16	16
	Associate Degree	0	0	3	3
	Post Second. Cert/Dipl >1 < 2	0	0	13	13
Arch Tech: Digital Fabrication	Post Second. Cert/Dipl < 1 yr.	0	0	2	2
Arch Tech:Sustainable Design	Post Second. Cert/Dipl < 1 yr.	0	0	1	1
Architectrl Tech: Design/Build	Post Second. Cert/Dipl < 1 yr.	0	0	3	3
Architectural Technology		0	5	0	5
	Associate Degree	0	4	0	4
	Post Second. Cert/Dipl >1 < 2	0	1	0	1
Architecture	Associate Degree	0	0	7	7
Art	Associate Degree	0	0	17	17
Arts and Humanities	Associate Degree	70	0	0	70
Associate in Arts	Associate Degree	0	0	0	306
Audio Recording	Post Second. Cert/Dipl < 1 yr.	0	1	0	1
Auto Tech: Chassis Drive Train		0	37	0	37
	Associate Degree	0	3	0	3
	Post Second. Cert/Dipl < 1 yr.	0	34	0	34
Auto Tech: Engine Perform Emis		0	34	0	34
	Associate Degree	0	1	0	1
	Post Second. Cert/Dipl < 1 yr.	0	33	0	33
Aviation Pilot Training		0	0	5	5
	Associate Degree	0	0	2	2
	Post Second. Cert/Dipl < 1 yr.	0	0	3	3

		2012-2013			
		CCC	GWC	OCC	Total
Award Title	Award Type	Awards	Awards	Awards	Awards
BCT Combo Building Inspection	Associate Degree	3	0	0	3
Baking & Pastry - Basic	Post Second. Cert/Dipl < 1 yr.	0	0	3	3
Biology	Associate Degree	0	0	68	68
Bookkeeping	Post Second. Cert/Dipl < 1 yr.	2	0	0	2
Building Codes Technology	Post Second. Cert/Dipl < 1 yr.	2	0	0	2
Bus: Human Resources Mgmt	Associate Degree	26	0	0	26
Bus: Bus Admin Specialization		118	0	0	118
	Associate Degree	71	0	0	71
	Post Second. Cert/Dipl < 1 yr.	47	0	0	47
Bus: Human Resources Mgmt	Post Second. Cert/Dipl < 1 yr.	19	0	0	19
Bus: Marketing Specialization		17	0	0	17
	Associate Degree	11	0	0	11
	Post Second. Cert/Dipl < 1 yr.	6	0	0	6
Business	Associate Degree	75	0	155	230
Business Administration		48	25	46	119
	Associate Degree	38	21	23	82
	Post Second. Cert/Dipl < 1 yr.	9	4	0	13
	Post Second. Cert/Dipl >1 < 2	1	0	23	24
CIS Business Application Devl		0	0	8	8
	Associate Degree	0	0	3	3
	Post Second. Cert/Dipl >1 < 2	0	0	5	5
CJ: Administration of Justice	Associate Degree	0	13	0	13
CJ: Corrections	Associate Degree	0	4	0	4
CJ: Forensics,Evidence & Inves	Associate Degree	0	3	0	3
CJ: Police Academy	Associate Degree	0	6	0	6
CSU Breadth Cert of Achievemnt	Post Second. Cert/Dipl >1 < 2	2	0	0	2
CSU Breadth Certification	Post Second. Cert/Dipl >1 < 2	0	465	0	465
Chemistry	Associate Degree	0	0	33	33
Cisco	Post Second. Cert/Dipl < 1 yr.	12	0	0	12
Code Professional		4	0	0	4
	Associate Degree	1	0	0	1
	Post Second. Cert/Dipl < 1 yr.	3	0	0	3
Combination Bldg Inspection	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
Combination Residential Inspec	Post Second. Cert/Dipl < 1 yr.	2	0	0	2
Comm Art:Narrativ Illustration	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Communication Studies	Associate Degree	0	26	48	74
Communications	Associate Degree	6	0	71	77
Community Nutrition Assistant		0	0	5	5
	Associate Degree	0	0	1	1
	Post Second. Cert/Dipl < 1 yr.	0	0	4	4
Comp Networking: Cisco	Associate Degree	20	0	0	20
Comp Networking: Microsoft		10	0	0	10
	Associate Degree	4	0	0	4
	Post Second. Cert/Dipl < 1 yr.	6	0	0	6
Computer Aided Drafting-Arch	Post Second. Cert/Dipl < 1 yr.	0	2	0	2
Computer Business Applications		0	6	0	6
	Associate Degree	0	3	0	3
	Post Second. Cert/Dipl < 1 yr.	0	3	0	3
Computer Information Systems	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Computer Networking		5	0	0	5
	Associate Degree	4	0	0	4
	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
Computer Programming		0	0	10	10
	Associate Degree	0	0	6	6
	Post Second. Cert/Dipl >1 < 2	0	0	4	4
Const Tech: Construction Tech	Associate Degree	0	0	1	1
Const Tech: Master Specialist		0	0	3	3
	Associate Degree	0	0	1	1
	Post Second. Cert/Dipl >1 < 2	0	0	2	2
Const Tech: Res Const Developm	Associate Degree	0	0	3	3
Const Tech: Res Const Devl 1	Post Second. Cert/Dipl < 1 yr.	0	0	6	6

		2012-2013			
		CCC	GWC	OCC	Total
Award Title	Award Type	Awards	Awards	Awards	Awards
Constr Tech:Construction Tech	Post Second. Cert/Dipl < 1 yr.	0	0	3	3
Cosmetology		0	147	0	147
	Associate Degree	0	4	0	4
	Post Second. Cert/Dipl >1 < 2	0	143	0	143
Culinary Arts	Associate Degree	0	0	10	10
Culinary Arts Basic	Post Second. Cert/Dipl < 1 yr.	0	0	34	34
Culinary Arts:Baking & Pastry	Associate Degree	0	0	4	4
Culinology:Professional Level 2	Associate Degree	0	0	1	1
DA: Art/Visual Comm: Graphic	Post Second. Cert/Dipl >1 < 2	0	9	0	9
DMAD: Multimedia	Post Second. Cert/Dipl >1 < 2	0	0	1	1
DMF: Print Design	Post Second. Cert/Dipl >1 < 2	2	0	0	2
Dance	Associate Degree	0	0	2	2
Dental Assisting: Registered		0	0	34	34
	Associate Degree	0	0	12	12
	Post Second. Cert/Dipl < 1 yr.	0	0	22	22
Design	Post Second. Cert/Dipl < 1 yr.	0	9	0	9
Diagnostic Med Sonography	Associate Degree	0	0	18	18
Dietetics: Dietetic Technician	Associate Degree	0	0	10	10
Digital Graphics Production		0	0	9	9
	Associate Degree	0	0	1	1
	Post Second. Cert/Dipl < 1 yr.	0	0	8	8
Digital Media	Post Second. Cert/Dipl < 1 yr.	0	5	0	5
Digital Media A&D: Graph Dsgn		0	0	14	14
	Associate Degree	0	0	7	7
	Post Second. Cert/Dipl >1 < 2	0	0	7	7
Digital Media A&D: Multimedia	Associate Degree	0	0	1	1
Drafting Tech-Computer Aided		0	7	0	7
	Associate Degree	0	2	0	2
	Post Second. Cert/Dipl < 1 yr.	0	5	0	5
EC: Infant & Toddler	Post Second. Cert/Dipl >1 < 2	0	0	2	2
EC: Preschool Teacher		0	0	23	23
	Associate Degree	0	0	5	5
	Post Second. Cert/Dipl >1 < 2	0	0	18	18
EC: Teacher Aide	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Early Childhood Administration	Associate Degree	0	0	2	2
Early Childhood Education	Associate Degree	0	0	5	5
Echo & Vascular Ultrasound		0	0	17	17
	Associate Degree	0	0	16	16
	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Economics	Associate Degree	4	0	8	12
Electrocardiography Technician	Post Second. Cert/Dipl >1 < 2	0	0	22	22
Electronics	Associate Degree	84	0	0	84
Electronics Reliability Techn	Post Second. Cert/Dipl < 1 yr.	0	0	4	4
Electronics: Engineering Techn		0	0	14	14
	Associate Degree	0	0	3	3
	Post Second. Cert/Dipl < 1 yr.	0	0	11	11
Emergency Management		11	0	0	11
	Associate Degree	3	0	0	3
	Post Second. Cert/Dipl < 1 yr.	8	0	0	8
Engineering	Associate Degree	0	0	30	30
English	Associate Degree	1	10	32	43
Ent Tech: Lighting Technician	Post Second. Cert/Dipl < 1 yr.	0	0	2	2
Entrepreneurship & Sm Bus Mang	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
Esthetician	Post Second. Cert/Dipl < 1 yr.	0	44	0	44
Ethnic Studies	Associate Degree	0	0	1	1
FSM: Commercial Catering	Post Second. Cert/Dipl < 1 yr.	0	0	2	2
FSM: Dietetic Service Manager	Post Second. Cert/Dipl >1 < 2	0	0	1	1
FSM: Dietetic Service Supervsr	Post Second. Cert/Dipl < 1 yr.	0	0	14	14
FSM: Restaurant (Commercial)	Associate Degree	0	0	1	1
FSM: Restaurant Supervision	Post Second. Cert/Dipl < 1 yr.	0	0	4	4
Family & Consumer Sciences	Associate Degree	0	0	15	15

		2012-2013			
		CCC	GWC	OCC	Total
Award Title	Award Type	Awards	Awards	Awards	Awards
Fashion - Apparel Construction	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Fashion Design	Post Second. Cert/Dipl >1 < 2	0	0	10	10
Fashion Merchandising		0	0	13	13
	Associate Degree	0	0	5	5
	Post Second. Cert/Dipl >1 < 2	0	0	8	8
Fashion Production/Prod Dev	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Fashion: Design	Associate Degree	0	0	7	7
Film/Video		0	0	38	38
	Associate Degree	0	0	27	27
	Post Second. Cert/Dipl >1 < 2	0	0	11	11
Financial Assistant	Post Second. Cert/Dipl < 1 yr.	2	0	0	2
Financial Manager	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
Fine and Applied Arts:Art	Associate Degree	0	8	0	8
Fine/Applied Arts: Dance	Associate Degree	0	1	0	1
Fitness Spec: Personal Trainer		0	0	15	15
	Associate Degree	0	0	4	4
	Post Second. Cert/Dipl < 1 yr.	0	0	11	11
Floral Design & Shop Mgmt		0	12	0	12
	Associate Degree	0	3	0	3
	Post Second. Cert/Dipl < 1 yr.	0	9	0	9
Foreign Languages	Associate Degree	0	0	7	7
General Accounting	Post Second. Cert/Dipl < 1 yr.	7	0	0	7
General Business	Post Second. Cert/Dipl < 1 yr.	114	0	0	114
General Management	Post Second. Cert/Dipl < 1 yr.	0	2	0	2
General Marketing		0	0	14	14
	Associate Degree	0	0	5	5
	Post Second. Cert/Dipl < 1 yr.	0	0	9	9
General Office Manager	Post Second. Cert/Dipl < 1 yr.	2	0	0	2
Geography	Associate Degree	0	0	7	7
Gerontology		10	0	0	10
	Associate Degree	1	0	0	1
	Post Second. Cert/Dipl < 1 yr.	9	0	0	9
Graphic Design Adv Production	Post Second. Cert/Dipl < 1 yr.	0	4	0	4
Graphic Design Foundation	Post Second. Cert/Dipl < 1 yr.	0	6	0	6
Graphic Design Web Site Design	Post Second. Cert/Dipl < 1 yr.	0	12	0	12
Green Building Technology	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
HTT: Front Office Specialist	Post Second. Cert/Dipl >1 < 2	0	0	2	2
HTT: Human Resource Mgmt	Post Second. Cert/Dipl >1 < 2	0	0	1	1
HTT: Travel & Tourism	Associate Degree	0	0	2	2
HTT:Airline & Travel Careers		0	0	19	19
	Associate Degree	0	0	8	8
	Post Second. Cert/Dipl < 1 yr.	0	0	11	11
HTT:Contract Flight Attendant	Post Second. Cert/Dipl < 1 yr.	0	0	2	2
HTT:Sales Marketing & Event	Post Second. Cert/Dipl >1 < 2	0	0	1	1
HTT:Tour Escortg/Management	Post Second. Cert/Dipl < 1 yr.	0	0	1	1
HTT:Travel Agency Specialist	Post Second. Cert/Dipl < 1 yr.	0	0	2	2
HVACR Technology		0	0	34	34
	Associate Degree	0	0	3	3
	Post Second. Cert/Dipl < 1 yr.	0	0	31	31
Health	Associate Degree	0	0	39	39
Health Care Management		70	0	0	70
	Associate Degree	51	0	0	51
	Post Second. Cert/Dipl < 1 yr.	19	0	0	19
Health and Fitness	Associate Degree	1	0	0	1
History	Associate Degree	9	20	22	51
Human Resources Management	Post Second. Cert/Dipl < 1 yr.	0	1	0	1
Human Services	Associate Degree	12	0	0	12
Humanities	Associate Degree	0	0	1	1
Humanities, Fine/Applied Arts	Associate Degree	0	3	0	3
IGETC: GE Cert of Achievement	Post Second. Cert/Dipl >1 < 2	3	0	0	3
IGETC: GE Certification	Post Second. Cert/Dipl >1 < 2	0	83	0	83

		2012-2013			
		CCC	GWC	OCC	Total
Award Title	Award Type	Awards	Awards	Awards	Awards
IRS - Enrolled Agent	Post Second. Cert/Dipl < 1 yr.	0	1	0	1
Industrial Automation Technic	Post Second. Cert/Dipl < 1 yr.	0	0	1	1
Interior Design: Merchandising	Post Second. Cert/Dipl < 1 yr.	0	0	13	13
Interior Design: Professional	Post Second. Cert/Dipl >1 < 2	0	0	6	6
Interior Design: Assistnt Lvl 2	Associate Degree	0	0	11	11
Interpreting for Deaf People		0	20	0	20
	Associate Degree	0	2	0	2
	Post Second. Cert/Dipl < 1 yr.	0	18	0	18
Journalism	Associate Degree	0	0	2	2
Kinesiology	Associate Degree	0	3	4	7
Law Enforcement	Post Second. Cert/Dipl < 1 yr.	0	46	0	46
Lib Arts-Business & Technology	Associate Degree	0	107	0	107
Lib Arts-Mathematics	Associate Degree	0	15	0	15
Lib Arts-Science	Associate Degree	0	125	0	125
Lib Arts: Arts & Humanites	Associate Degree	0	81	0	81
LibArts: Social&Behavior Sci	Associate Degree	0	177	0	177
LibArts:SocBehavior&Self Dev	Associate Degree	0	38	0	38
Liberal Arts	Associate Degree	0	0	369	369
Liberal Arts: Art	Associate Degree	3	0	0	3
Liberal Studies - Teaching	Associate Degree	3	0	0	3
Liberal Studies for Elem Ed	Associate Degree	0	14	0	14
M&S: Management		10	0	0	10
	Associate Degree	4	0	0	4
	Post Second. Cert/Dipl < 1 yr.	6	0	0	6
Manufact Tech: CNC Operat	Post Second. Cert/Dipl >1 < 2	0	0	4	4
Manufact Tech: CNC Operator	Associate Degree	0	0	1	1
Manufact Tech: CNC Program	Associate Degree	0	0	2	2
Manufact Tech: CNC Programr	Post Second. Cert/Dipl >1 < 2	0	0	4	4
Manufacturing Tech: Machinist		0	0	14	14
	Associate Degree	0	0	5	5
	Post Second. Cert/Dipl < 1 yr.	0	0	9	9
Marketing: Internatnl Business		0	0	7	7
	Associate Degree	0	0	2	2
	Post Second. Cert/Dipl < 1 yr.	0	0	5	5
Math/Science: Chemistry	Associate Degree	0	5	0	5
Math/Science: Gen Biology	Associate Degree	0	8	0	8
Math/Science: Mathematics	Associate Degree	0	1	0	1
Mathematics	Associate Degree	2	3	27	32
Mathematics and Science	Associate Degree	0	8	0	8
Medical Assisting:CMA Eligible		0	0	37	37
	Associate Degree	0	0	18	18
	Post Second. Cert/Dipl >1 < 2	0	0	19	19
Mental Health Worker	Post Second. Cert/Dipl >1 < 2	0	0	5	5
Microsoft Office	Post Second. Cert/Dipl < 1 yr.	0	1	0	1
Music	Associate Degree	0	0	13	13
Music: Business Employee	Post Second. Cert/Dipl < 1 yr.	0	0	1	1
Music: Entertainer Instrumentl	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Music: Studio Guitar Performer	Post Second. Cert/Dipl < 1 yr.	0	0	3	3
Natural Science	Associate Degree	0	0	70	70
Nursing - Registered Nursing	Associate Degree	0	102	0	102
Nutrition & Fitness Education	Post Second. Cert/Dipl >1 < 2	0	0	2	2
Nutrition Careers:Nutrition Ed		0	0	8	8
	Associate Degree	0	0	6	6
	Post Second. Cert/Dipl < 1 yr.	0	0	2	2
OSS: Financial Assistant	Associate Degree	1	0	0	1
OSS: Financial Manager	Associate Degree	5	0	0	5
Office Support Specialist		2	0	0	2
	Associate Degree	1	0	0	1
	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
Ornamental Horticuture		0	0	7	7
	Associate Degree	0	0	1	1

		2012-2013			
		CCC	GWC	OCC	Total
Award Title	Award Type	Awards	Awards	Awards	Awards
	Post Second. Cert/Dipl < 1 yr.	0	0	6	6
Paralegal Studies		79	0	0	79
	Associate Degree	27	0	0	27
	Post Second. Cert/Dipl < 1 yr.	52	0	0	52
Philosophy	Associate Degree	0	0	4	4
Photo:Digital Technician	Post Second. Cert/Dipl < 1 yr.	0	0	11	11
Photography	Associate Degree	0	0	4	4
Photography: Still	Post Second. Cert/Dipl >1 < 2	0	0	11	11
Physical Education	Associate Degree	0	0	10	10
Physics	Associate Degree	0	0	6	6
Political Science	Associate Degree	0	4	31	35
Polysomnography	Associate Degree	0	0	15	15
Process Technology		14	0	0	14
	Associate Degree	6	0	0	6
	Post Second. Cert/Dipl < 1 yr.	8	0	0	8
Professional Mariner - Level 1	Post Second. Cert/Dipl < 1 yr.	0	0	10	10
Psychology	Associate Degree	22	48	118	188
Radiologic Tech: Diagnostic	Associate Degree	0	0	19	19
Real Estate Broker		0	0	5	5
	Associate Degree	0	0	2	2
	Post Second. Cert/Dipl < 1 yr.	0	0	3	3
Recording Arts	Post Second. Cert/Dipl >1 < 2	0	1	0	1
Recycling and Resource Mgmnt		0	33	0	33
	Associate Degree	0	1	0	1
	Post Second. Cert/Dipl < 1 yr.	0	32	0	32
Recycling and Zero Waste	Post Second. Cert/Dipl < 1 yr.	0	47	0	47
Res Constr Devl Second Award	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Res Constr Devl Third Award	Post Second. Cert/Dipl >1 < 2	0	0	2	2
Respiratory Care	Associate Degree	0	0	21	21
Retail	Post Second. Cert/Dipl >1 < 2	0	0	1	1
Retail Management	Post Second. Cert/Dipl < 1 yr.	2	0	0	2
Science and Math	Associate Degree	93	0	0	93
Small Business Management	Associate Degree	1	0	0	1
Small Business Ownership	Post Second. Cert/Dipl < 1 yr.	1	0	0	1
Social Science	Associate Degree	0	0	3	3
Social Sciences, General	Associate Degree	0	8	0	8
Social and Behavioral Sciences	Associate Degree	190	0	0	190
Sociology	Associate Degree	9	10	42	61
Software Development		0	5	0	5
	Associate Degree	0	3	0	3
	Post Second. Cert/Dipl < 1 yr.	0	2	0	2
Solar Energy Technology	Post Second. Cert/Dipl < 1 yr.	0	1	0	1
Spanish	Associate Degree	3	0	0	3
Spanish Language	Associate Degree	0	2	0	2
Speech-Lang Pathology Assist	Associate Degree	0	0	13	13
Staff Accountant	Post Second. Cert/Dipl < 1 yr.	0	8	0	8
Studio Arts	Associate Degree	0	1	0	1
Supervision & Management		241	0	0	241
	Associate Degree	186	0	0	186
	Post Second. Cert/Dipl < 1 yr.	55	0	0	55
Supply Chain Management		13	0	0	13
	Associate Degree	7	0	0	7
	Post Second. Cert/Dipl < 1 yr.	6	0	0	6
Taxation	Post Second. Cert/Dipl < 1 yr.	4	0	0	4
Technical Drafting Option (1yr)	Post Second. Cert/Dipl < 1 yr.	0	1	0	1
Theatre Arts	Associate Degree	0	2	7	9
Welding Technology		0	0	4	4
	Associate Degree	0	0	2	2
	Post Second. Cert/Dipl < 1 yr.	0	0	2	2
World Language	Associate Degree	0	1	0	1
Total by COLUMNS		1,543	1,951	2,167	5,967

Orange County Program Completions

The following table shows the completers at all two-year and four-year higher education institutions in Orange County for the 20 TOP Codes with the most completers during 2011.

Orange County Completers

Orange County Completers 2011		
TOP Code	Title	Total
4901.0	Liberal Arts and Sciences, General	47,565
0505.0	Business Administration	39,864
1208.0	Medical Assisting	15,363
1230.1	Registered Nursing	13,648
2001.0	Psychology, General	13,134
3007.0	Cosmetology and Barbering	7,857
0401.0	Biology, General	7,294
2208.0	Sociology	6,473
1501.0	English	6,033
2201.0	Social Sciences, General	5,652
2105.0	Administration of Justice	5,509
2207.0	Political Science	5,456
2205.0	History	4,696
2204.0	Economics	4,417
4902.0	Biological and Physical Sciences (and Mathematics)	4,331
0948.0	Automotive Technology	4,151
0408.0	Natural History	3,922
1002.0	Art (Painting, Drawing, and Sculpture)	2,934
0706.0	Computer Science (transfer)	2,822
0835.0	Physical Education	2,716

Finance

Source: CCCD Vice-Chancellor Administrative Services

Managing through the recession of the past five years has been extraordinarily difficult for public agencies, in general, and community colleges have been no exception. One of the tools that Coast Community College District has employed to balance the budget has been having the contract faculty numbers very close to the compliance minimum rather than significantly higher (as was the case in some past years), through attrition and voluntary separation programs. Our actual full-time contract faculty numbers declined from more than 480 in 2008 to 414 in 2011. Each year the Board of Governors of California Community Colleges (BOG) is required to make a finding of adequate funds in order to determine the number of full-time faculty which districts are required to employ. Given the economic circumstances over this period the BOG has not been able to make this finding and required full-time faculty numbers have remained “frozen.” For Coast, this number has been at or near 412 FT faculty.

From a budgetary perspective, the 2013-14 FY Adopted Budget reflects 430 budgeted faculty positions, 429 in the General Fund and 1 outside the General Fund. In July 2013 when this data was gathered, 21 of those positions were vacant. It is important to recognize the number of filled or vacant positions represents only a snapshot in time and changes through a natural cycle of attrition and recruitment. Lastly, neither the regulatory nor the budgetary perspective described above attempts to answer the question of adequacy.

FY 2013/2014 Budgeted Positions

(As of July 2013)

	# of Positions	GF	Non GF	Vacancy	Non GF
Certificated	430	429	1	20	1
Classified	706	631	75	74	8
Confidential	10	10		1	
Mgmt	131	119	12	22	4
Total	1277				

Notes:

1. Source: CCCD Finance & Administrative Services Department
2. Approximate data set for 2013-14 budget

Position Control Flow

1. Site based request
2. Chancellor's Cabinet - Approval
3. Board of Trustees - Approval
4. Action by CCCD Finance & Administrative Services Department

Revised - August 26

Recent Budget Strategy and Stability Funding

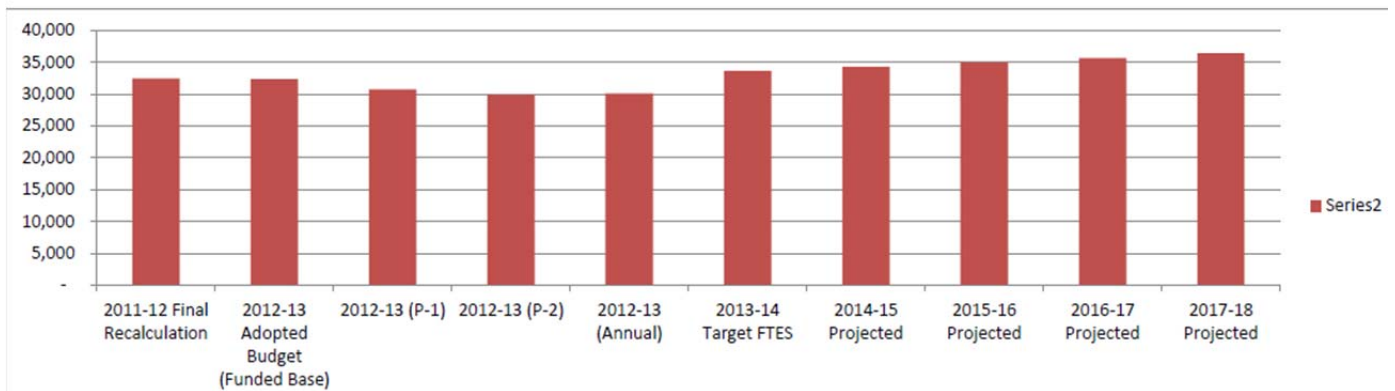
As a part of the 2012-13 FY budget development strategy, Coast Community College District deliberately reduced enrollments and pursued stabilization due to two considerations. First, as budget development was taking place in the spring and summer of 2012, Proposition 30 was not expected to pass. The state budget had been predicated on a voter approved tax initiative to fill a significant revenue gap. In the event of the failure of this ballot proposition, an automatic trigger cut built into the state budget would have resulted in a funding reduction of nearly \$11 million and an associated workload reduction of 5.5% for the district. Second, two strategically important, yet

diametrically opposed, issues emerged: on one hand, the district had a strong interest in maximizing service and access to its students and, on the other hand, there was a fundamental interest in not having to lay-off any contract employees. In the end, by utilizing the concept of “stabilization,” which held the district fiscally harmless in the year of enrollment decline, Coast Community College District avoided lay-offs and was still able to offer nearly 95% of the access that had been made available in the prior year.

Strategic Direction and Growth

It is important to emphasize that the protections offered under stabilization only hold the district harmless for one fiscal year. If in 2013-14, the District fails to return to its funded CA RESIDENT FTES base of 32,449, as determined by the 2011-12 FY Final Recalculation, we risk eroding our apportionment funding base. At the close of the 2012-13 FY, Coast reported 30,103 CA RESIDENT FTES putting us 2,346 FTES, or more than 7%, below base which equates to approximately \$10.7 million in apportionment funding.

<u>Period</u>	<u>CA RESIDENT FTES</u>	<u>Assumptions</u>
2011-12 Final Recalculation	32,449	1 2013-14 target met
2012-13 Adopted Budget (Funded Base)	32,358	2 2% annual growth/access funded and earned 2014/15 through 2017/18
2012-13 (P-1)	30,704	
2012-13 (P-2)	29,884	
2012-13 (Annual)	30,103	
2013-14 Target FTES	33,617	<i>October 2013 Projection</i>
2014-15 Projected	34,289	
2015-16 Projected	34,975	
2016-17 Projected	35,675	
2017-18 Projected	36,388	



In November 2013, the district received its final full-time equivalent faculty obligation number (FON) for Fall 2013. As expected, due to the decline in FTES in 2012-13, the FON for Fall 2013 was reduced to 363.4. Our actual number for Fall 2013, reported to the state, was 406.7. Coast has an ambitious but not unrealistic growth goal of 33,617 CA Resident FTES for 2013-14. If that goal is achieved we can expect our FON, as determined by the BOG, to increase for Fall 2014. Our multi-year projections at this juncture reflect a rough-order-of-magnitude projection of 2% annual CA Resident FTES growth.