

**Program Endorsement Brief: 1299.00 – Other Health Occupations
Anesthesia Technician**

Los Angeles/Orange County Center of Excellence, September 2021

Summary Analysis

Program Endorsement:	Endorsed: All Criteria Met <input checked="" type="checkbox"/>	Endorsed: Some Criteria Met <input type="checkbox"/>	Not Endorsed <input type="checkbox"/>
Program Endorsement Criteria			
Supply Gap:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Living Wage: (Entry-Level, 25th)	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Education:	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Emerging Occupation(s)			
Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>	

The Los Angeles/Orange County Center of Excellence for Labor Market Research (COE) prepared this report to provide Los Angeles/Orange County regional labor market supply and demand data related to one emerging occupation: *anesthesiologist assistants* (29-1071.01). The Standard Occupation Classification (SOC) system has yet to establish an occupational code specifically for anesthesia technicians, and current federal occupational research classifies the anesthesia technician job title within the emerging *anesthesiologist assistants* occupation (SOC 29-1071.01). Since data collection is currently underway, traditional labor market data is not included in this report. Instead, employer job posting data from Burning Glass is utilized to approximate labor market demand. This report is intended to help determine whether there is demand in the local labor market that is not being met by the supply from community college programs that align with the relevant occupation.

Based on the available data, there appears to be a supply gap for anesthesia assistants in the region. According to Burning Glass, median annual earnings are nearly \$40,000, and more than two-thirds of employers have listed job postings requiring less than a bachelor’s degree.

Therefore, due to all of the criteria being met, the COE endorses this proposed program.

Detailed reasons include:

Demand:

- Over the past 12 months, there have been **231 online job postings** for anesthesiologist assistants in the region, **which is more than the 38 awards conferred** by institutions in the region with the relevant programs.
- The highest number of postings were for anesthesia technician, travel anesthesia technician, and certified anesthesia technician.
- Of the 52% of job postings listing a minimum education requirement in Los Angeles/Orange County, 86% (104) requested a high school diploma, 1% (1) requested an associate degree, and 13% (16) requested a bachelor’s degree.

- According to Burning Glass, anesthesia assistant-related positions advertise salaries of approximately \$36,896 as the entry-level salary (25th percentile). The median salary was \$38,597.

Supply:

- Between 2017 and 2020, **one community college** in the LA/OC region issued awards related to anesthesia technology, conferring an average of **22 awards**.
- Between 2016 and 2019, **one private institution** in the LA/OC region offered an anesthesia-related program, conferring an average of **16 awards**.

Job Postings

Over the past 12 months, there have been 231 online job postings for *anesthesiologist assistants* (29-1071.01). The highest number of job postings were for anesthesia technician, travel anesthesia technician, and certified anesthesia technician. The top skills were anesthesiology, surgery, patient care, life support, and patient monitoring. The top employers, by number of job postings, in the region were University of California, Dignity Health, and Kaiser Permanente.

Of the 52% job postings listing a minimum education requirement in Los Angeles/Orange County, 86% (104) requested a high school diploma, 1% (1) requested an associate degree, and 13% (16) requested a bachelor's degree. According to Burning Glass, anesthesia assistant-related positions show salaries of approximately \$36,896 as the entry-level salary (25th percentile). The median salary was \$38,597.

It is important to note that the job postings data included in this section reflects online job postings listed in the past 12 months and does not yet demonstrate the impact of COVID-19. While employers have generally posted fewer online job postings since the beginning of the pandemic, the long-term effects are currently unknown.

Educational Supply

Community College Supply — Exhibit 1 shows the annual and three-year average number of awards conferred by community colleges in anesthesia-related programs. Only one college in the region has a program dedicated to anesthesia technology: Pasadena. Over the past 12 months, there were no other related program recommendation requests from regional community colleges. According to the American Society of Anesthesia Technologists and Technicians (ASATT), the Pasadena City College/Kaiser Permanente Anesthesia Technology Program is currently the only accredited program in the region that trains for this occupation.¹

Exhibit 1: Regional community college awards (certificates and degrees), 2017-2020

TOP Code/Title	Local Program Name	College	2017-18 Awards	2018-19 Awards	2019-20 Awards	3-Year Average
1201.00/ Health Occupations, General	Anesthesia Technology	Pasadena City	17	11	37	22
Supply Total/Average			17	11	37	22

Non-Community College Supply — It is important to consider the supply from non-community college institutions in the region providing an anesthesia-related program. Exhibit 2 shows the annual and three-year average number of awards conferred by these institutions in the related Classification of Instructional Programs (CIP) Code: 51.3804 – Nurse Anesthetist. Due to different data collection periods, the most recent three-year period of available data is from 2016 to 2019. Between 2016 and 2019, one non-community college institution in the region conferred an average of 16 awards annually in related training program(s).

Exhibit 2: Regional non-community college awards, 2017-2019

CIP	Program	Institution	2016-17 Awards	2017-18 Awards	2018-19 Awards	3-Year Average
51.3804	Nurse Anesthetist	University of Southern California	15	16	16	16
Supply Total/Average			15	16	16	16

¹ [Approved Schools - ASATT - The American Society Of Anesthesia Technologists & Technicians](#)

Appendix B: Sources

- O*NET Online
- Labor Insight/Jobs (Burning Glass)
- Bureau of Labor Statistics (BLS)
- Employment Development Department, Labor Market Information Division, OES
- California Community Colleges Chancellor's Office Management Information Systems (MIS)
- California Family Needs Calculator, Insight Center for Community Economic Development
- Chancellor's Office Curriculum Inventory (COCI 2.0)

For more information, please contact:

Luke Meyer, Director
Los Angeles/Orange County Center of Excellence
lmeyer7@mtsac.edu

September 2021



CENTERS OF EXCELLENCE
FOR LABOR MARKET RESEARCH