

# POPULAR FIELDS IN EXTENDED STUDIES

---

## An Occupational Analysis

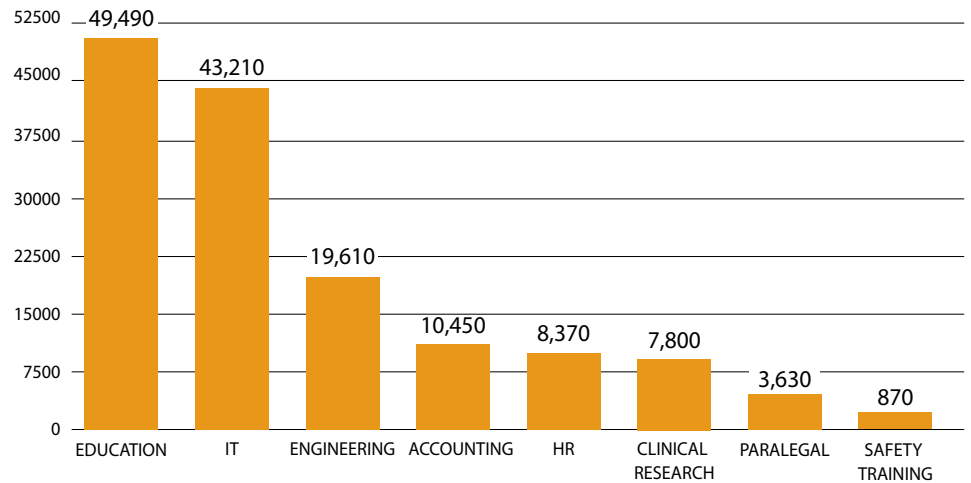
SAN DIEGO  
**WORKFORCE**  
**PARTNERSHIP®**

Thousands of professionals in San Diego seek continual skill advancement, particularly in Extended Studies offered through local universities. This study investigates the eight most popular fields based on enrollment data from a prominent extended educational provider in the region, University of California, San Diego Extension: accounting, clinical research and trials, education, engineering, human resources, information technology, paralegal, and safety training. This analysis also reviews employers' demand for these occupations and the supply of workers locally.

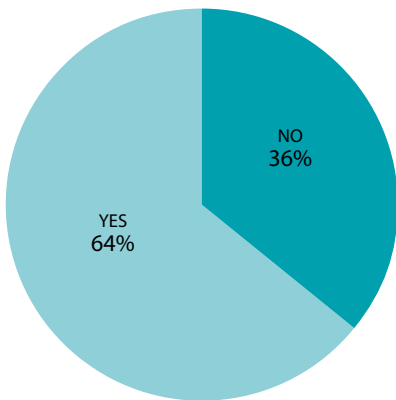
## CURRENT SUPPLY OF WORKERS

More than 143,000 San Diego residents held one of the occupations investigated in this study as of 2012, which represents 11.5% of total nonfarm employment.

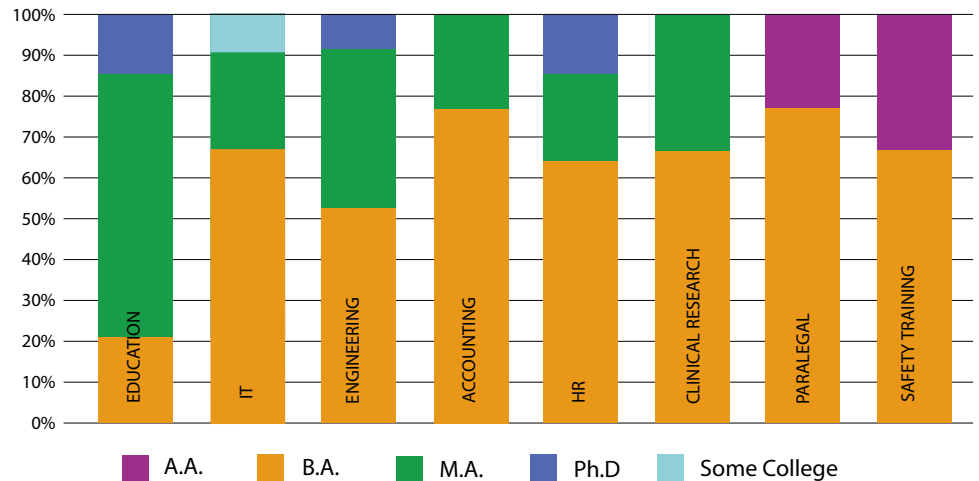
Employment by Occupation



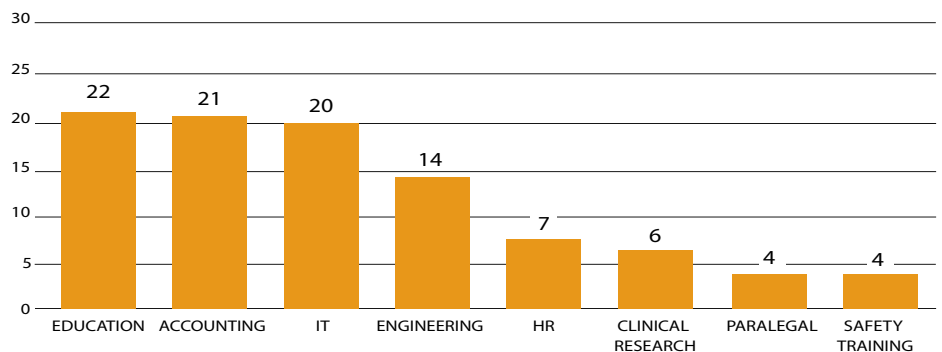
Was your highest level of education attained in San Diego?



Highest Degree Attained by Occupation



Number of Educational Institutions by Occupation



Out of 29 providers, education, accounting, and information technology professions have access to the largest number of training providers with 20 institutions or more serving each professional field.

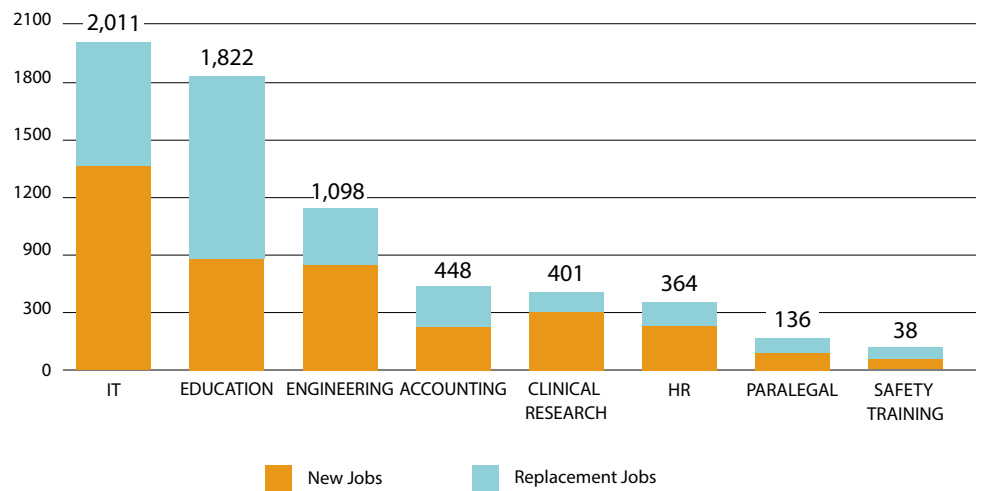
## PROJECTED JOB DEMAND

CURRENT EMPLOYMENT  
**143,000**

PROJECTED EMPLOYMENT BY 2022  
**180,000**

**26%**  
INCREASE IN JOBS

Projected Average Annual Job Openings  
2013-2022

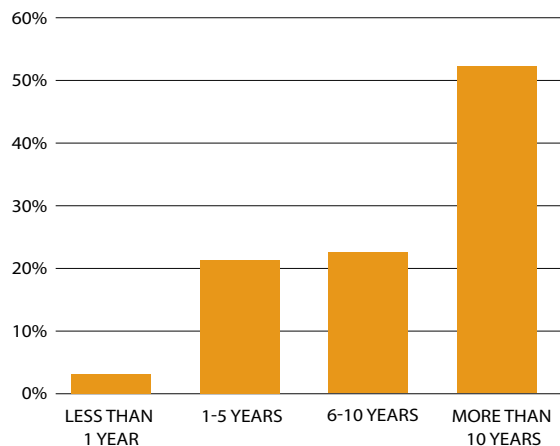


Education will be the most affected by attrition with replacement jobs making up more than 50% of projected annual job openings.

## REDUCTION IN SUPPLY

The majority of people employed in these professions have held their position for over a decade. Employers may find it difficult to replace staff who have gained valuable experience, skills, and knowledge developed over several years on the job.

Time on the Job



## TOP THREE EXPECTED JOB SHORTAGES

Employers' responses and data projections both agree that engineering will be one of the top three professions with the greatest shortage of workers over the next ten years.

### Employers:

1. Accounting
2. Clinical Research
3. Engineering

### Data Projections:

1. Information Technology
2. Engineering
3. Education

## TOP THREE EDUCATION AND TRAINING VALUES

Employees place considerable value on continuing education. 71% of employees surveyed indicate that such training or education has been highly relevant or specific to their current job or position.

### Employers:

1. In-house training
2. Bachelor's degree
3. Conferences and workshops

### Data Projections:

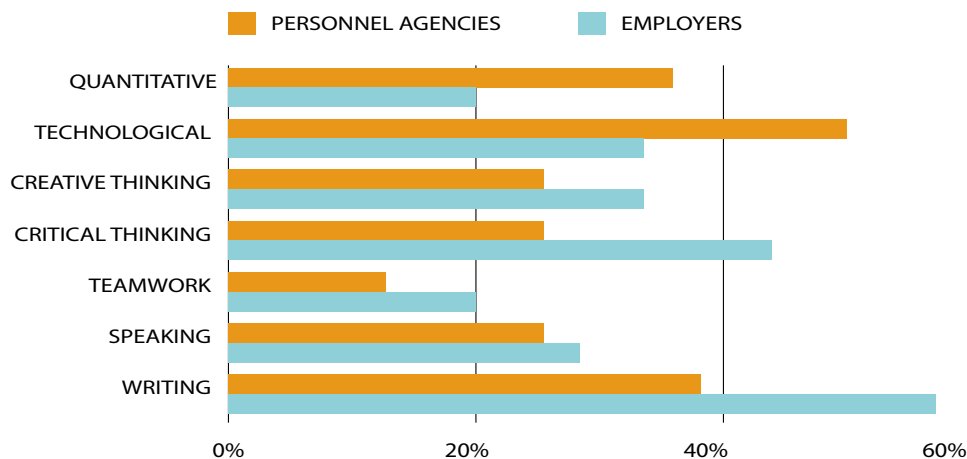
1. Conferences and workshops
2. Graduate degree
3. In-house training

## BASIC SKILLS DEFICIENCY FOUND IN JOB APPLICANTS

Employers and personnel agencies were asked: "What are the primary areas in which you perceive a lack of skills in individuals applying for a job?"

Employers indicated the greatest deficiencies in writing skills, followed by critical thinking, creative thinking and technological skills.

Personnel agencies, on the other hand, responded that applicants are most deficient in technological, writing, and quantitative skills.



COMMISSIONED BY:

SAN DIEGO  
**WORKFORCE**  
**PARTNERSHIP**<sup>®</sup>

SAN DIEGO WORKFORCE PARTNERSHIP  
3910 UNIVERSITY AVENUE, SUITE 400  
SAN DIEGO, CA 92105

WORKFORCE.ORG  
619-228-2900

RESEARCH CONDUCTED BY:

Fermanian Business &  
Economic Institute at PLNU



FERMANIAN BUSINESS & ECONOMIC INSTITUTE AT PLNU  
2600 LANING ROAD  
SAN DIEGO, CA 92106

POINTLOMA.EDU/FBEI  
619-849-2692