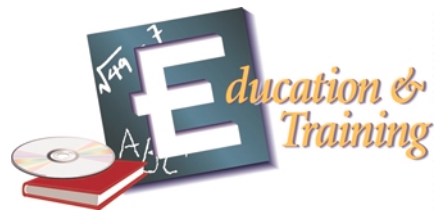
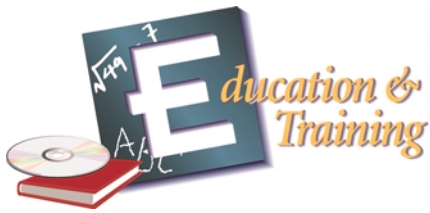


CAREER CLUSTERS—FOCUSING  
EDUCATION ON THE FUTURE



Preparing for Career  
Success in Education  
and Training



## Career Clusters Prepare All Students for College, Technical Training, Apprenticeships and Careers

Career Clusters prepare learners of all ages for the information age as schools, colleges, and employers strive for higher achievement in science, math and communication. One key to improving learner achievement is providing learners with relevant contexts for studying and learning. Career Clusters offer these contexts by linking school-based learning with the knowledge and skills required for continued success.

### The Concept of Career Clusters

Career Clusters identify the knowledge and skills learners need as they follow a pathway toward their career goals. The knowledge and skills identified form a strong basis for learner success whether the learners are in high school, college, technical training or in the workplace.

### How to Pursue an Education in the Education and Training Field

There are thousands of challenging educational and training opportunities within the high-skilled world of Education and Training. Learners need a solid background in academic, technical and presentation/facilitation skills. The



educational background for a career in the education and training field can begin in high schools, technical colleges, two-year community colleges, four-year colleges, internships and career technical schools/institutes and human resource/training organizations.

Along the way, career guidance professionals assist learners in assessing their educational goals, interests, abilities and skills to facilitate a good match to the cluster's many pathway options. Learners participate in relevant educational opportunities framed in the context of the cluster. They gain knowledge and skills through coordinated workplace learning experiences such as site visits, job shadowing and internships. If they choose, they may achieve valuable skill certifications that lead to employment. Colleges and universities offer advanced degrees that prepare learners for professional and technical careers.



## Career Pathways at a Glance

The Education and Training Cluster is divided into three pathways. Pathways are grouped by the knowledge and skills required of occupations in these career fields. Each pathway provides instruction, which will give you the foundations necessary to become successful in any of several careers and educational pursuits.



### The Three Pathways

- Teaching and Training
- Professional Support Services
- Administration and Administrative Support

### What Is the Education and Training Career Cluster?

This diverse Career Cluster prepares learners for careers in planning, managing and providing education and training services, and related learning support services.

Millions of learners each year train for careers in education and training in a variety of settings that offer academic instruction, vocational and technical instruction, and other education and training services.

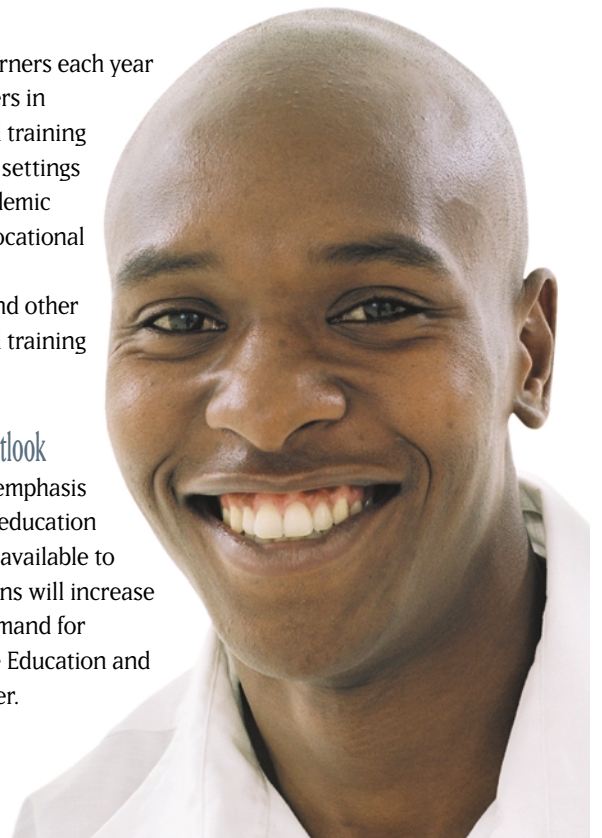
### Employment Outlook

A growing emphasis on improving education and making it available to more Americans will increase the overall demand for workers in the Education and Training Cluster. Employers are expected to devote



greater resources to job-specific training programs in response to the increasing complexity of many jobs, the aging of the work force, and technological advances that

can leave employees with obsolete skills. This will result in particularly strong demand for training and development specialists across all industries.



## Teaching and Training

### Overview

In addition to being knowledgeable in their subject, teachers and trainers must have the ability to communicate, inspire trust and confidence, and motivate learners, as well as understand their educational and emotional needs. Teachers must be

able to recognize and respond to individual differences in diverse learners, and employ different teaching/training methods that will result in higher learner achievement.



### Sample Occupations

- Preschool or Kindergarten Teacher, Aide
- Elementary Teacher, Aide
- Secondary Teacher, Aide
- Special Education Teacher, Aide
- College/University Lecturer, Professor
- Management Development Trainer
- Human Resource Trainer
- Coach
- Child Care Director
- Child Life Specialist
- Early Childhood Teacher, Assistant

licensing or certification. States have varying requirements. Many states offer alternative credentialing programs. Credentials include:

- Certified or Licensed Teacher
- Certified Trainer
- Child Development Associate (CDA)
- National Board Certified Teacher

### Employment Outlook

Job opportunities for teachers and trainers over the next 10 years is expected to be excellent, attributable mostly to the large number of these professionals expected to retire as well as general attrition.



### Credentials

The Teaching and Training pathway employs some of the most highly educated workers in the labor force. Most of these occupations require

## Professional Support Services

### Overview

The Professional Support Services pathway represents a variety of highly specialized

### Sample Occupations

- Psychologists—Clinical, Developmental, Social
- Social Worker
- Parent Educator
- Counselor
- Speech-Language Pathologist and Audiologist



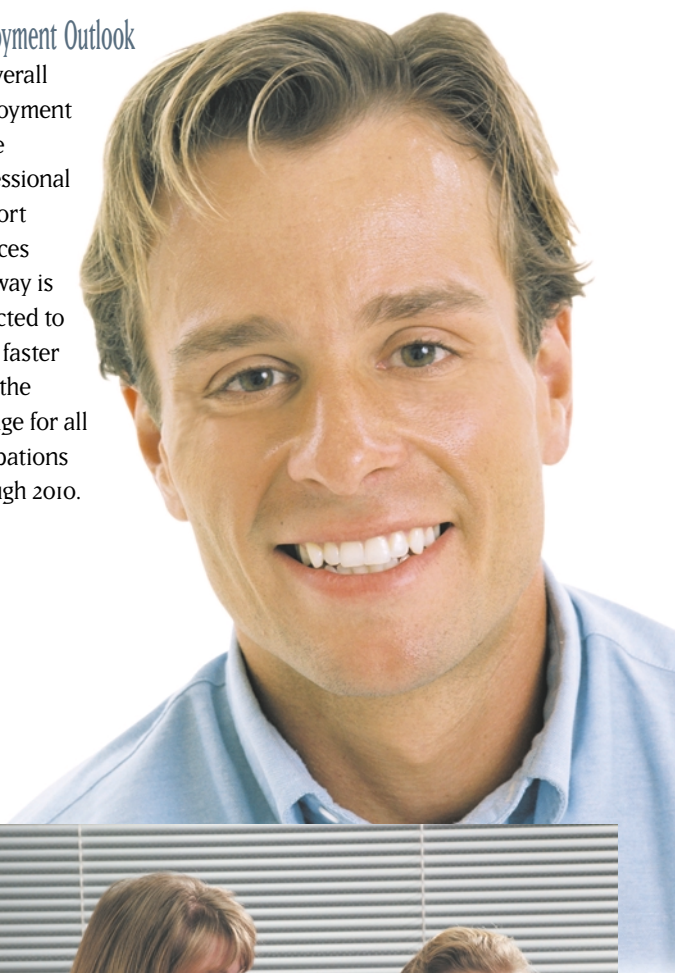
occupations that are critical to our education and training systems. Counselors, psychologists, social workers, speech-language pathologists and audiologists assist people with personal and family needs, mental health assistance, educational goals and career decision making.

### Credentials

Training requirements for careers in these highly specialized professions depend on the type of work performed. Most of the careers in the Professional Support Services pathway require a bachelor's degree, and many require a master's or doctoral degree.

### Employment Outlook

Overall employment in the Professional Support Services pathway is expected to grow faster than the average for all occupations through 2010.



## Administration and Administrative Support

### Overview

Smooth operation of any education or training institution requires competent administration. Administrators provide direction, leadership and day-to-day management of educational activities in schools, preschools, daycare centers,

colleges, universities, businesses and industries, correctional institutions, museums, and job training and community service organizations.

### Sample Occupations

- Superintendent
- Principal
- Director of Training
- Supervisor
- Instructional Coordinator
- Education Researcher
- Test Measurement Specialist
- College President
- Dean
- Curriculum Developer
- Instructional Media Designer

### Credentials

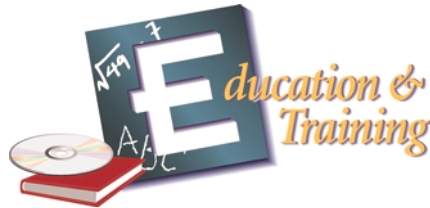
Most administrators begin their careers in related occupations and prepare for a job in administration by completing a master's or doctoral degree. Because of the diversity of duties and levels of responsibility, their educational backgrounds and experience vary considerably.

### Employment Outlook

Job outlook is excellent, as a large proportion of administrators are expected to retire over the next 10 years.



## CAREER CLUSTERS—FOCUSING EDUCATION ON THE FUTURE



### The 16 Career Clusters

Agriculture, Food & Natural Resources  
Architecture & Construction  
Arts, A/V Technology & Communications  
Business, Management & Administration  
Education & Training  
Finance  
Government & Public Administration  
Health Science  
Hospitality & Tourism  
Human Services  
Information Technology  
Law, Public Safety & Security  
Manufacturing  
Marketing, Sales & Service  
Science, Technology, Engineering & Mathematics  
Transportation, Distribution & Logistics



Produced by the States'  
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For further information on the States' Career Clusters,  
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of Career Technical Education Consortium*  
at (202) 737-0303 or [www.careerclusters.org](http://www.careerclusters.org).

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Education and Training Advisory Committee

July 2002