

Career Games and Activities

Cluster Race

Make or use a commercially made game board. Prepare word cards with the 16 Career Clusters listed, one on each card. Place the cards face up so all the clusters can be seen. Name a cluster. If the first player can find the card with that word on it, he or she advances one space on the game board. Players take turns, and the first to reach the finish line is the winner.

Guess the Cluster

Divide learners into small groups. Instruct them to organize themselves into “obvious” clusters, such as male/female or light hair/dark hair, etc.

Have each small group try to guess how the other groups clustered themselves. Explain that many occupations are like this — you can tell which cluster they belong to.

Vegetable Beef Soup

Divide learners into groups of 4 or 5. Have learners decide which roles they will have: recorder, timekeeper, supply clerk, cheerleader.

Materials: chart paper, markers, vegetable beef soup can, and list of Career Clusters (refer to page 56).

Directions:

- Divide the chart paper or chalk/white board into two columns showing the headings: **Careers and Career Clusters**.
- Have the team brainstorm every occupation that is involved in producing and delivering that can of soup to the grocery and write it under the **Careers** column.
- List which Career Cluster goes with which occupation and write it under the Career Clusters column.
- Circle the cluster you see the most. What did your team find?
- Look to see which of the 16 Career Clusters are missing from your list. What did your team find?

- Send a spy to another team to borrow an occupation so you have all 16 Career Clusters.
- Questions to ask:
Did you find that a part-time position or something in your background helped you with this activity?
How well did your team work together?
Would the type of soup make a difference with the jobs? Provide an example.

Answer the Question

Write the name of the 16 Career Clusters on a piece of paper/poster board. Place the Career Clusters titles on the floor or tape them to the wall. Ask learners to walk to or stand by the cluster they believe answers the question. Career Clusters titles are located in this booklet on page 57. Sample questions may include:

- Which cluster offers the most job opportunities in your community?
- Which cluster do you think you would rather be in?
- What cluster would your hobby or volunteer work fall into?
- Which cluster would you like to know more information about?
- Which cluster does your father’s job fall in?
- Which cluster does your mother’s job fall in?
- Which cluster does your sibling’s job fall in?

Career: Choose Your Path to Success

Learners can create their own career plan while using this prepaid Internet site. Junior high and high school learners follow the menu to view career-planning steps, plans of study, the 16 Career Clusters, career knowledge and skills, occupational information, and more career information.

<http://www.okcareertech.org/guidance/Career%20Path/okcareertech/counselor/index.htm>

Airplane Game

The purpose of the game is to review all pathways in the specific Career Clusters. The game challenges the learner to remember as many pathways as possible.

Create a worksheet with a box for each of the pathways represented in each of the Career Clusters. For example, have seven boxes large enough for learners to write the name of each pathway in the Agriculture, Food and Natural Resources cluster because this cluster has seven pathways.

Pass out the worksheet and a pen/pencil to each learner. Learners write the name of one pathway within the cluster. When all learners have written the name of one pathway on their paper, they will make their sheet into an airplane or paper ball. The instructor then asks learners to throw their paper ball or fly their airplane across the room. Each person will then pick up one of the pieces of paper to see which pathway was written on the paper. If the pathway was written incorrectly or incomplete, the person who picked up the paper should correct it at that time.

Next, on the same sheet of paper, each learner will add a second pathway name to the sheet, fold it back into the shape of an airplane or a paper ball, and throw it across the room a second time. This process is repeated until each square on the sheet of paper has a complete listing of all pathways for that cluster.

Idea: Handout could be made with clues or occupational titles.

Created by: Curtis Shumaker, Facilitator of Agriculture, Food & Natural Resources Career Cluster

Experiment With a Paper Helicopter

The rotors twirl as the paper helicopter falls to the ground. This happens because molecules of air occupy the space between the helicopter and the floor. The air provides resistance to any object that moves through it. Have your learners experiment by using different materials and designs. Template is located at: <http://www.vtol.org/Kids/AHS-HELICOPTER.pdf>

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, Corrections & Security
Manufacturing	Marketing, Sales, & Service
Science, Technology, Engineering & Mathematics	Transportation, Distribution & Logistics

Note: Use these cluster names with career games and activities, including Vegetable Beef Soup listed on page 54.

On the Job

Directions — Read the statement and circle the answer that best completes the job description.

Pilots need to know _____.

- Needlepoint
- Biology
- Weather conditions

Railroad engineers drive _____.

- Locomotives
- Buses
- Nails

_____ are made on an assembly line.

- Cars
- Paintings
- Children

People who help make maps are _____.

- Librarians
- Secretaries
- Surveyors

A clothing salesperson _____.

- Never sleeps
- Knows a lot about fashion
- Sells cars

A _____ builds chimneys.

- Carpenter
- Bricklayer
- Cashier

Air traffic controllers _____.

- Help pilots during take off and landing
- Fly airplanes
- Work for a television station

Emergency medical technicians (EMT) drive _____.

- Tractors
- Buses
- Ambulances

Childcare workers have to enjoy working with _____.

- Animals
- Numbers
- Children

_____ use a paint brush, easel, and watercolors.

- Graphic designers
- Artists
- Postal workers

The word aerospace deals with _____.

- Flying
- Water
- Rock bands

_____ use scissors, clippers, and hair dyes.

- Cosmetologists
- Steel workers
- Doctors

A telephone installer and repairer might have to _____.

- Climb a pole
- Sing a song
- Build a satellite

_____ use film, lenses, and flash attachments.

- Dental Hygienists
- Mayors
- Photographers

Field Trip Ideas

Out-of-school and community activities will help the learner explore interests and consider options.

Places to go:

1. Manufacturing Plant Tours
2. Zoos
3. Museums
4. Concerts and Plays
Check with local high schools and colleges for free or reduced admissions.
5. Historical Sites
6. Airport
Notice how the weather affects flying. Make your own paper airplanes and try them out in different weather conditions.
7. Fire Station
8. Post Office
9. Bakery
10. Ice Cream Store
11. Your Backyard
Discover the stars, plants, insects, and other wildlife in your area.
12. Landfill
Explore recycling and environmentalism.
13. Dairy Farm
14. Nursing Homes
Research and learn older songs and then sing for residents.
15. Canal
Study water and its uses, etc.
16. Ponds, Lakes, etc.
Learn about different types of fish and methods of fishing.
17. Camping and Hiking
Study different types of leaves and plants. Create your own field guide.
18. Playgrounds
Compare and contrast different playgrounds in your city, and then plan a new one.
19. Humane Society
Learn pet care skills and study different breeds of pets.
20. Library
Research how books are made and catalogued.
21. Candy Maker
22. Bank
23. Grocery
24. Picnics
25. Farm

Adapted from Family Field Trip Ideas; used with permission from Family First.

Group Reinforcement Activity

Divide your audience into small groups. Give each group an envelope containing the following materials related to a Career Cluster: pathway model, cluster plan of study, workforce statistics, cluster brochure from www.careercluster.org. With these materials, ask each group to answer the following questions and report to the large group the highlights of their discussion.

Your Career Cluster is _____.

How many pathways are in your cluster and what are they?

Give an example of a career ladder and lattice within your Career Cluster.

What high school academic courses would best prepare a learner who wants to pursue postsecondary education and a career in this Career Cluster?

What technical courses would prepare learners to be successful in postsecondary education and a career in this Career Cluster?

What additional electives would give learners an edge in preparing for a future career in this cluster?

What college degree plans would be appropriate for learners interested in pursuing a career in this Career Cluster?

What short-term courses, seminars, and/or certifications could a learner acquire to best prepare for postsecondary education and a career in this cluster?

Identify an extensive learning experience that would benefit learners interested in preparing for a career in this Career Cluster.

Introduction to Career Clusters Speaker's Kit
www.okcareertech.org/okcareerclusters/resources

Adopt-A-Pilot Online

Developed primarily for fifth-grade classes, this program unites learners with Southwest pilots to explore math, science, and geography. For four weeks, learners track their adopted pilot's journey and complete curriculum that apply to aviation activities.

Related Subjects

Science
Math
Geography
Writing

National Career Development Guidelines

Uses accurate, current, and unbiased career information during career planning and management (CM3).

Materials/Supplies

<http://www.southwest.com/adoptapilot>
Resource book on guest pilot visits to hands-on activities.
http://www.southwest.com/programs_services/adopt/resource_book.pdf

Activities

Complete the Teacher Registration form early in the school year for the Adopt-A-Pilot program at adoptapilot@wnco.com

Read the background information on the pilot.

Download the Learner Flight Plan and Teacher Flight Plan.

http://www.southwest.com/programs_services/adopt/teacher_plan.pdf

http://www.southwest.com/programs_services/adopt/flight_plan.pdf

Use the lessons in the Flight Plan to enhance science, math, geography, and writing lessons.

Evaluation

Learners will be evaluated on completing and presenting the activities in the Learner Flight Plan.

Additional Resources

For streaming video segments on careers in aviation, visit

http://www.southwest.com/programs_services/adopt/adopt_home.html

Under "Video Library," click "Careers in Aviation."

Career Collage

Learner will construct collages of careers.

Related Subject

Art

National Career Development Guidelines

Master academic, occupational, and general employability skills in order to obtain, create, maintain, and/or advance your employment. (CM4)

Materials/Supplies

Newspapers
Magazines
Glue
Construction paper

Activities

Supply learners with newspapers and magazines.

Have learners create career collages.

Pictures may be of tools and equipment, people at work, on-the-job clothing, etc.

Have learners explain their collage to the class.

Teacher may direct questions related to the career collage.

Ask the class to identify other careers in which these tools, equipment, and clothing may be used.

Evaluation

Learners will be evaluated on the construction of their collages of careers and describe them to the class. Learners will answer questions about them.

Trojan Tee-Shirt Odor Problem

Instructional Focus:

Reading

Learners read a variety of grade level materials, applying strategies appropriate to various situations.

Writing

Learners write for a variety of purposes and audiences with sophistication and complexity appropriate to the grade level.

Listening

Learners listen for a variety of purposes appropriate to the grade level.

Speaking

Learners speak for a variety of purposes and audiences with sophistication and complexity appropriate to the grade level.

Performance Task

Trojan Tee Shirt Company designs shirts for schools for athletic functions and for fund-raising. They ship to locations on the East Coast. They have asked you to help them solve a problem. They recently added a new fiber to their manufacturing process that helps prevent shrinkage and allows their shirts to hold the color longer. Early marketing tests show that customers are complaining about an unusually bad odor that comes from the shirts — even after repeated washings. Your group has been asked to suggest what the manufacturer can do to prevent the problem. Your recommendation will be used by the company president to decide whether this shirt can be released to the national market or whether it must discard the new fiber and test another fabric. Please do the following:

1. Gather the information needed to find ways to prevent the odor problem.
2. Brainstorm with your team on solutions to consider.
3. Consider your audience; also discuss the president and his concerns.
4. Develop a plan of action.
5. Describe how you and your team intend to gather information about the problem.
6. Develop and complete a chart outlining your plan.
7. Summarize the possible solutions.
8. Compose your recommendation report on a word processor and submit to company president.

Source: http://www.acteonline.org/resource_center/pl/lessonplans.cfm
Select lessons by programs or by cluster.
Lessons include a Scoring Guide.

Who Are You Gonna Call?

Learner will locate businesses with the use of a local phone book.

Related Subject

English

National Career Development Guidelines

Participate in ongoing, lifelong learning experiences to enhance your ability to function effectively in a diverse and changing economy. (ED2)

Materials/Supplies

“Who Are You Gonna Call?” handout and phone book

Activities

Learners read the problem/need and locate a business name and phone number from the local phone book and place in the first column.

Place the name of the occupation(s) that would take care of the problem/need in the second column.

Place the Career Cluster related to the occupation in the third column.

Evaluation

Learners will be evaluated on their responses of the business name, phone number, occupation, and related Career Cluster.

Who Are You Gonna Call?

Problem/Need	Occupation	Cluster
Interested in taking karate classes once a week. Business Name: Phone Number:		
The cat is sick and not eating. Business Name: Phone Number:		
Need a ZIP Code for a package. Business Name: Phone Number:		
Need a meeting room for 85 people for a family reunion. Business Name: Phone Number:		
Traveling to England and need the exchange rate for money. Business Name: Phone Number:		
There is a nail in the front right car tire. Business Name: Phone Number:		
Termites were spotted near the north side of your house. Business Name: Phone Number:		
You have a bag of nice clothes that no longer fit. Business Name: Phone Number:		
Need a headstone for a cemetery plot. Business Name: Phone Number:		
Flash floods caused your car to stall out in high water. Business Name: Phone Number:		
Water damage from a leaky washer soaks the carpet. Business Name: Phone Number:		
High winds and storms cause the electricity to go out. Business Name: Phone Number:		

Information for Counselors and Teachers

Oklahoma ABLE Tech (Grades K-Adult)

Assistive Technology Demonstration Center

Explore hundreds of devices covering a variety of disabilities. Individuals can learn more about assistive technology by hands-on opportunities in order to support informed decision-making.

Assistive Technology Equipment Loan Program

Offers a variety of assistive technology devices for a short-term loan to Oklahomans with disabilities so that a trail can be experienced before a purchase is considered.

Contact: <http://www.ok.gov/abletech/> or
1-800-257-1705

FIRST Robotics

The For Inspiration and Recognition of Science and Technology (FIRST) Robotics Board voted to select Oklahoma for the regional competition in the spring of 2008. Learners not only build robots and compete in a competition setting but also build self-confidence, leadership, and life skills. This is a great time to involve a team from your school.

Location: <http://www.usfirst.org>

Animal School

Teachers and parents will be able to relate to this online movie *Don't Let Your Child Be a Kangaroo*. What are our goals for your learners? We all agree that we want our learners to be successful; however, how would you define success? Select "Animal School" by clicking on the purple rectangle.

Location: <http://www.raisingmallsouls.com/wp-content/themes/179/form.html>

OKCIS Lesson Plans

OKCIS has lesson plans for middle school and high school learners. You will find an 18-week career curriculum by selecting "Online CIS Activities" in the lower right-hand corner; then click on either "High School" or "Middle School" under "Suggested Course Outlines." The learning activities have been written as stand-alone lesson plans and are listed in sequential order to support the educational planning process. Password protected.

Location: <http://okcis.intocareers.org/>

Middle Grades Lesson Plans

This Web site has middle-grades (6th-8th) career development lesson plans for school counselors and teachers that can be taught in the regular classroom.

Location: <http://jobs.esc.state.nc.us/soicc/products/m-guide.pdf>

I Could Be Nicer, But I'm Choosing Not To

When youngsters say they could stop having a bad attitude and being so nasty but they are choosing not to, but they will choose to have a better attitude when they "get their real job" or "go to high school," say: "You're probably right; I'm probably wrong. Show me I'm wrong by being pleasant for the next three weeks; I'll admit that you were right, and I was wrong." Most learners don't last three weeks, three days, three minutes. When the bad attitude surfaces after mere minutes, ask them "What will be any different on your real job?" Now, you may have the learner's attention and may be able to learn more about what's causing all the negativity.

Select "Free Samples and Magazine."

Location: <http://www.youthchg.com/solvat.html>

College Night Handouts

Download and distribute these free informative handouts for your learners and parents.

- College Planning 101
- Ace the College Application
- Financial Aid Timeline
- First Time Resumé Builder Tips
- 10 Tips for Scoring a Summer Job
- Prep for the SAT and ACT
- FAFSA
- 41 Great Web Sites

Location: <http://nextstepmagazine.com/nextstep/high-school-counselor.aspx>

Spanish/English Career Information Parent Involvement Toolkit

Four key topic areas for parent involvement have been developed with three informational brochures under each topic.

- Starting Young
- Career Exploration
- School Success
- Parents of Children with Special Needs

Location: http://okcareertech.org/guidance/parent_guide.html

Real World Math Problems

USA Today K-12 Education Online has math lessons, including project-based activities to aid in real-life/real-world problems and applications, especially numbers, graphs, charts, and analyzing data, as it relates to current events and the news.

Location: <http://www.usatoday.com/educate/mathtoday/index.htm>

The Career Decision-Making Tool

The 9th – 12th Grade Decision-Making Tool (CDMT) helps teachers, counselors, and parents teach their learners or children about education and careers using a six-step decision cycle. The tool shows learners how to find a career that suits them and the education they need to pursue it.

Location: <http://www.acrnetwork.org/cdmt>

Reality Check Budget Calculator

This online budget planner provides young adults a clear understanding of what it takes to survive on a real-life budget. Reality Check offers users three real-life budget scenarios:

Get a Reality Check – Users make lifestyle choices to determine what standard of living, and Reality Check determines the necessary annual income, as well as sample careers matching this salary.

Future Salary – Users enter a dollar figure of the salary they want to earn, and Reality Check offers suggested career fields and educational levels needed to meet that salary.

Career Direct – Users choose a career, and Reality Check estimates a salary depending on the city. The program then lets users pick lifestyle-related expenses and arrive at a balanced budget.

Location: <http://www.cdr.state.tx.us/realitycheck/>

High School Graduate and Dropout Bookmarkers

Did you know, if you are a high school graduate . . .

Your average earnings will be \$583/week, or \$2,332/month, or \$30,316/year if you are making \$14.58 an hour.

U.S. Bureau of Labor Statistics, 2006

The Comanche County Self-Sufficiency Standard, \$6.93/hour for an adult, measures income needed to meet basic needs (housing, food, transportation, health care).

The Self-Sufficiency Standard
for Oklahoma, 2002

You will earn almost \$10,000 more annually than a high school dropout.

U.S. Census Bureau, 2004

As a male with a college degree, you will earn almost \$1 million (\$945,670) more than the high school dropout.

National Center for Education Statistics

Your unemployment rate is 5.5 percent compared to a high school dropout—8.5 percent.

U. S. Bureau of Labor Statistics, 2003

You can enlist in the military.

You are one of 76 percent of Oklahoma learners to graduate from high school.

National Center for
Educational Statistics, 2006

Did you know, if you are a high school dropout . . .

Your average earnings will be \$409/week, or \$1,636/month, or \$21,268/year if you are making \$10.23 an hour.

U.S. Bureau of Labor Statistics, 2006

Many jobs pay minimum wage of \$5.85/hour, or \$234/week, or \$936/month, or \$12,168/year before taxes.

The Oklahoma County Self-Sufficiency Standard, \$7.52/hour for an adult, measures income needed to meet basic needs (housing, food, transportation, health care).

The Self-Sufficiency Standard
for Oklahoma, 2002

Your lifetime earnings will be \$260,000 less over a lifetime than a high school graduate.

C. Rouse, economist, Princeton University

Your life expectancy will be 9.2 years shorter than a high school graduate.

P. Muennig, Columbia University

You have a greater risk of being on public assistance.

You spend long hours working part-time or full-time jobs.

You cannot enlist into the military service.

Sixty percent of dropouts go back to get a diploma or GED.

Jobs for the Future, 2006

Bulletin Board Ideas

Divide the bulletin board into sections and title each with three or more of the suggested headings listed below. Place one occupation per slip of paper. Mix occupations up and have learners pick an occupation and place it under the correct heading.

Service Occupations

Animal Care and Service Workers
Barbers, Cosmetologists, and Other Personal Appearance Workers
Childcare Workers
Fitness Workers
Personal and Home Care Aides
Recreation Workers
Chefs, Cooks, and Food Preparation Workers

Correctional Officers
Fire Fighting Occupations
Police and Detectives

Dental Assistants
Massage Therapists
Medical Assistants
Occupational Therapist Assistants and Aides
Pharmacy Aides
Physical Therapist Assistants and Aides

Careers on Wheels

Bus Drivers
Taxi Drivers and Chauffeurs
Truck Drivers and Driver/Sales Workers
 Delivery Truck Drivers
 Canteen Truck Drivers
 Plumbers
 Limo Drivers
 Moving Van Drivers
 Red Cross Blood Mobile Drivers
 Mobile TV/Radio Studio Drivers
 Surveyors
 Storm Chasers
 Book Mobile Drivers
 Automobile Salespersons
 Insurance Adjustors
 Real Estate Agents
 Landscape Architects

Careers in the Air

Aircraft Pilots and Flight Engineers
 Meteorologists
 Flight Attendants
 Line Installers and Repairers
 Cartographers
 Air Marshals
 Air Traffic Controllers

Careers That Maintain and Repair

Coin, Vending, and Amusement Machine Servicers and Repairers
Heating, Air-Conditioning, and Refrigeration Mechanics and Installers
Home Appliance Repairers
Industrial Machinery Mechanics and Maintenance Workers
Line Installers and Repairers

Automotive Body and Related Repairers
Automotive Service Technicians and Mechanics
Diesel Service Technicians and Mechanics
Small Engine Mechanics

Computer, Automated Teller, and Office Machine Repairers
Electrical and Electronics Installers and Repairers

Careers That Sell

Advertising Sales Agents
Cashiers
Counter and Rental Clerks
Demonstrators, Product Promoters, and Models
Insurance Sales Agents
Real Estate Brokers and Sales Agents
Retail Salespersons
Sales Engineers
Sales Representatives, Wholesale and Manufacturing
Sales Worker Supervisors
Securities, Commodities, and Financial Services Sales Agents

Dirty Jobs

The *Dirty Jobs* video profiles American laborers who make their living doing things we would not imagine. Mike Rowe introduces you to these hardworking men and women and assumes the duties of the jobs he is profiling. Talking to the learners about these jobs could lead into creative writing assignments that can be placed on the bulletin board to planning course work so they won't have these types of occupations in their future.

<http://dsc.discovery.com/fansites/dirtyjobs/episode/episode.html>

Career Poetry Contest – November 2007

Find Your Voice; Change Your World

Eligibility: There are six divisions: Primary (Grades K-1), Intermediate (Grades 3-5), Middle Grades (Grades 6-8), Senior (Grades 9-12), Adult Learner (enrolled in school), and Open Adult (18 and older, not enrolled in school). **Each school is eligible to submit three entries per category.**

Theme: Poems should reflect the theme: “**Find Your Voice; Change Your World.**” Each poem’s topic must relate to the theme.

Judging Criteria: Judging will be based on originality, creativity, and development of national theme, appropriate form, execution, spelling, and grammar. **Only poetry judged as first-, second-, and third-place winners in the school contests should be sent for judging in the state contest.**

Poetic Form: Poems may be written in any poetic form, i.e., cinquain, diamante, free verse, haiku, limerick, metered, rhyming, blank verse, etc.

Size: Each poem should be **typed** on a single sheet of paper 8½ by 11 inches in 12-point font.

Display: Poems are to be displayed/read in the learner’s school during National Career Development Month in November. Winning poems must be sent to Oklahoma Department of Career and Technology Education by **December 3.**

Entry Form: Copy and complete the entire entry form and attach with tape or glue to the **back** of each entry. *Please* do not add learner’s name on the front of the page.

Mail Poems Chosen as School Winners to:
Oklahoma Department of Career and Technology Education, Guidance Division •
1500 West Seventh Avenue • Stillwater, OK 74074-4364

All entries become the property of OCDA/ODCTE and will not be returned. For further information, contact: Oklahoma Guidance Internet site <http://www.okcareertech.org/guidance> Choose Teacher/Educator/Counselor Information and Resources. Click on grade level.

Official Entry Form

(Each entry must have a completed entry form.)

Learner Name _____ Grade _____ Age _____
First Last

County _____

School Coordinator _____

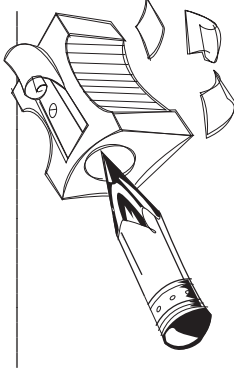
E-Mail _____

School Name _____

School Address _____
No P.O. Box

City _____ State OK ZIP _____

Phone _____



State Coordinator: Janet Hawkins
Address: 1500 West Seventh Avenue
City/State: Stillwater, OK 74074
Phone: 405-743-5123
E-Mail: jhawk@okcareertech.org

If individual, you must state the school the individual attends per eligibility guidelines unless the entry is submitted under Open Adult.

Individual Submission School Submission

Poetry Poster Category 1 Category 2

I, _____, state that the attached Poster/Poetry entry is the original, which I myself created and completed.

Signature _____

Sponsored by the Oklahoma School Counselor Association (OSCA), Oklahoma Counseling Association (OCA), and the Oklahoma Department of Career and Technology Education.

Labor Market Information

Fastest-Growing Occupations Requiring Work Experience or On-the-Job Training

Listed below are the 20 fastest-growing occupations for the period between 2004 and 2014 based on the Oklahoma employment projections for occupations that require work experience or on-the-job training. The education/training needed for these occupations may include:

Work Experience in a Related Occupation

These occupations usually require skills and training acquired in a related occupation. They do not require a degree. Many are supervisory.

Long-Term, On-the-Job Training

Requires more than 12 months of on-the-job training or combined work experience and formal classroom instruction, such as apprenticeships and employer-sponsored training. Individuals undergoing training typically are considered employed in the occupation.

Moderate-Term, On-the-Job Training

One to 12 months of combined on-the-job experience and informal training.

Short-Term, On-the-Job Training

A short demonstration of job duties or one month or less of on-the-job experience or instruction.

Home Health Aides
 Medical Assistants
 Personal and Home Care Aides
 Dental Assistants
 Gaming Managers
 Gaming Supervisors
 Nonfarm Animal Caretakers
 Pharmacy Technicians
 Social and Human Service Assistants
 Gaming Change Persons and Booth Cashiers
 Personal Care and Service Workers, All Other
 Structural Iron and Steel Workers
 Fire Fighters
 Locksmiths and Safe Repairers
 Veterinary Assistants and Laboratory Animal Caretakers
 Residential Advisors

Emergency Management Specialists
 Court, Municipal, and License Clerks
 Amusement and Recreation Attendants
 Interpreters and Translators

Fastest-Growing Occupations Requiring Postsecondary Training or an Associate Degree

Listed below are the 20 fastest-growing occupations for the period between 2004 and 2014 based on the Oklahoma employment projections for occupations that require postsecondary education or training below a bachelor's degree. The education/training needed for these occupations may include:

Postsecondary Training

Postsecondary occupational programs lead to a certificate or other award but not a degree.

Associate Degree

At least two years of full-time academic study beyond high school are required for an associate degree.

Dental Hygienists
 Veterinary Technologists and Technicians
 Physical Therapist Assistants
 Forensic Science Technicians
 Gaming Dealers
 Environmental Engineering Technicians
 Preschool Teachers, Except Special Education
 Emergency Medical Technicians and Paramedics
 Occupational Therapist Assistants
 Diagnostic Medical Sonographers
 Registered Nurses
 Respiratory Therapists
 Appraisers and Assessors of Real Estate
 Manicurists and Pedicurists
 Surgical Technologists
 Medical Records and Health Information Technicians
 Massage Therapists
 Paralegals and Legal Assistants
 Skin Care Specialists
 Fitness Trainers and Aerobics Instructors

Fastest-Growing Occupations Requiring a Bachelor's Degree or Higher

Listed below are the 20 fastest-growing occupations for the period between 2004 and 2014 based on the Oklahoma employment projections for occupations that require a bachelor's degree or higher. The education/training needed for these occupations may include:

First-Professional Degree

At least three years of full-time academic study beyond a bachelor's degree.

Doctoral Degree

At least three years of full-time academic study beyond a bachelor's degree.

Master's Degree

One or two years of full-time academic study beyond a bachelor's degree.

Work Experience Plus Bachelor's or Higher Degree

Most occupations in this category are managerial. All usually require experience in a related non-management position for which a bachelor's or higher degree is usually required.

Bachelor's Degree

At least four years of full-time academic study beyond high school.

Network Systems and Data Communications Analysts
 Environmental Engineers
 Physician Assistants
 Computer Software Engineers, Applications
 Computer Software Engineers, Systems Software
 Database Administrators
 Network and Computer Systems Administrators
 Museum Technicians and Conservators
 Financial Examiners
 Curators
 Athletic Trainers
 Medical Scientists, Except Epidemiologists
 Veterinarians
 Biomedical Engineers
 Community and Social Service Specialists, All Other

Survey Researchers
 Education Administrators, Preschool and Child Care Center
 Pharmacists
 Physical Therapists
 Hydrologists

Located at www.oesc.state.ok.us/lmi

Select from middle column "Labor Market Statistics"

Select from right menu "Economic Development Resources."

Select "Employment and Industry Projections."

Select from the heading, "Long-term employment projections 2002–2012 for the State of Oklahoma; then check "Trends in the Oklahoma Job Market."

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