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Career Pathways Workshop

Maricopa County Community College
 District
 MCCCCD

Center for Workforce Development



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Your Maricopa Community Colleges

MCCCCD Representatives
 at the
 One-Stop Career Centers

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Resource Guide

- Your Link to the Community Colleges (handout)
 - We represent 10 community colleges and 2 skill centers
- Offer Workshops
 - Career Pathways
 - Career Search Tools
 - Financial Aid Information
- Assistance with resumes
- Arizona HEAT (Helping Everyone Access Training)
 contact <http://www.azed.gov/arizonaheat/>



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technology, utilities, education, health, services, business services, business, automotive, manufacturing, agriculture, food processing, construction, transportation, public safety, law enforcement, government, military, aerospace, defense, energy, telecommunications, information technology, media, entertainment, sports, recreation, arts, culture, tourism, hospitality, retail, food service, agriculture, forestry, fishing, hunting, and wildlife management, and other industries.

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Career Pathways Workshop

- The Maricopa County Community College District (MCCCD) Career Pathways Workshop is designed to educate customers on the high demand, high skill, high wage industry cluster areas in the Greater Phoenix region and assist them in making informed career decisions.



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Workshop Objectives

- Provide an overview of the growing industries in the Greater Phoenix area
- Review transferable skills within each industry
- Provide sample job titles for each industry, along with industry and local occupational trends
- Educational opportunities for each industry



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Transferable Skills

- Review and complete the transferable skills checklist (handout).




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Industry Clusters

- Architecture and Construction
- Bioscience
- Business Services
- Education
- Health Services
- Information Technology
- Manufacturing
- Public Safety
- Sustainability and Green Technologies
- Transportation, Distribution and Logistics




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Architecture and Construction

- Industry Definition:
 - Design and erect residential and commercial buildings or infrastructure projects (highways, bridges, and utility systems). Architectural firms apply construction procedures, zoning regulations, build codes, and building materials to the planning and design of structures while construction firms build the projects




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Architecture and Construction

- Transferable Skills:
 - Active Listening
 - Coordination
 - Time Management
 - Equipment Selection
 - Reading Comprehension




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Architecture and Construction

- O*NET In Demand Job Titles:
 - Architectural Drafters
 - Aerospace Engineers
 - Surveying and Mapping Technicians
 - Brickmasons
 - Blockmasons
 - Electricians
 - Hazardous Materials Removal Workers
 - Plumbers
 - Pipefitters
 - Tile & Marble Setters




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Architecture and Construction

- Industry Trends:
 - Nationwide:
 - Contributes to 9.0 million jobs in the U.S. - 2007
 - Arizona:
 - Projected growth is 3.9% between 2006 and 2016




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Architecture and Construction

- Training Opportunities:
 - Review Industry Flyer for certificates and degrees in the industry




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Bioscience

- Industry Trends:
 - Nationwide:
 - Contributes to 1.7 million jobs in the U.S. - 2007
 - Arizona:
 - Projected growth is 12.7% between 2006 and 2016



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Bioscience

- Training Opportunities:
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Business Services


- Industry Definition:
 - A broad term encompassing finance, professional services, management of companies, administrative support, hospitality & tourism, and government and public administration


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Business Services

- Transferable Skills:
 - Mathematics
 - Active Listening
 - Critical Thinking
 - Monitoring
 - Judgment and Decision Making




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Business Services

- O*NET In Demand Job Titles:
 - Accountants
 - Auditors
 - Compensation, Benefits, Job Analysis Specialists
 - Employment Interviewers
 - Personnel Recruiters
 - Paralegal
 - Budget Analyst



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Business Services

- Industry Trends:
 - Nationwide:
 - Contributes to 12.2 million jobs in U.S. - 2007
 - Arizona:
 - Projected growth is 14.9% between 2006 and 2016




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Business Services

- Training Opportunities:
 - Review Industry Flyer for certificates and degrees in the industry




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Education

- Industry Definition:
 - Provides instruction and training in a wide variety of subjects. Includes institutions in both the public and private sectors at all educational levels from preschool, elementary, and secondary schools, to colleges, universities, trade schools, and tutoring and testing services.




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Education

- Transferable Skills:
 - Active Listening
 - Instructing
 - Speaking in Public
 - Reading Comprehension
 - Writing
 - Social Perceptiveness




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Education

- O*NET In Demand Job Titles:
 - Adult Literacy & GED Instructors
 - Elementary School Teachers
 - Librarians
 - Preschool Teacher
 - Special Education Teacher
 - Teacher’s Aides
 - Library Technician
 - Kindergarten Teacher




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Education

- Industry Trends:
 - Nationwide:
 - Contributes to 12.2 million jobs in U.S. - 2007
 - Arizona:
 - Projected growth is 14.9% between 2006 and 2016




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Education

- Training Opportunities:
 - Review Industry Flyer for certificates and degrees in the industry




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Health Services

- **Industry Definition:**
 - Provides medical assistance to individuals. Includes for-profit and non-profit organizations such as hospitals, doctors' offices, nursing homes, and medical laboratories. Also includes social assistance such as family and youth services, meal centers, and housing shelters.




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Health Services

- **Transferable Skills:**
 - Active Listening
 - Speaking in Public
 - Social Perceptiveness
 - Instructing
 - Reading Comprehension
 - Active Learning
 - Service Orientation




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Health Services

- **O*NET In Demand Job Titles:**
 - Dental Assistant
 - Medical Assistant
 - Medical Transcriptionist
 - Emergency Medical Technician (EMT) & Paramedic
 - Surgical Technician
 - Pharmacy Technician
 - Physical Therapist
 - Radiological Technicians




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Information Technology

- Transferable Skills:
 - Troubleshooting
 - Critical Thinking
 - Active Listening
 - Complex Problem Solving


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Information Technology

- O*NET In Demand Job Titles:
 - Computer Software Engineers
 - Computer Support Specialist
 - Network & Computer System Administrators
 - Computer Systems Analyst
 - Computer Security Specialist

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Information Technology


- Industry Trends:
 - Nationwide:
 - Contributes to 1.6 million jobs in the U.S. - 2007
 - Arizona:
 - Projected growth is 22.4% between 2006 and 2016

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Information Technology

- Training Opportunities:
 - Review Industry Flyer for certificates and degrees in the industry




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Manufacturing

- Industry Definition:
 - The use of machines, tools and labor to make things for use or sale. Manufacturing involves the transformation of raw materials into finished goods, and can range from handcraft to high tech. Finished goods may be used for manufacturing other, more complex products, or sold to wholesalers, retailers, and consumers.




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Manufacturing

- Transferable Skills:
 - Operation and Control
 - Operation Monitoring
 - Mathematics
 - Equipment Selection
 - Troubleshooting
 - Reading Comprehension




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Manufacturing

- O*NET In Demand Job Titles:
 - Welders, Cutters & Welder Fitters
 - Brazers
 - Power Plant Operators
 - Sawing Machine Setters, Operators, and Tenders
 - Stone Cutters & Carvers
 - Molders, Shapers & Casters
 - Glass Blowers



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Manufacturing

- Industry Trends:
 - Nationwide:
 - Contributes to 13.8 million jobs in the U.S. - 2007
 - Arizona:
 - Projected growth is 2.3% between 2006 and 2016



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Manufacturing

- Training Opportunities:
 - Review Industry Flyer for certificates and degrees in the industry
- Contact

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 Coordinator Marketing & Academic Advisement
 Maricopa Community Colleges
 (480) 731-8859
Lizette@azhightech.com



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Public Safety

- Industry Definition:
 - Institutions and establishments responsible for the administration of justice, public order and safety activities. This includes: court system, police and fire protection, correctional and parole institutions and investigative and security services.

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Public Safety

- Transferable Skills:
 - Active Listening
 - Coordination
 - Equipment Selection
 - Critical Thinking
 - Service Orientation

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Public Safety

- O*NET In Demand Job Titles:
 - Police Officers
 - Firefighters
 - Court Reporters
 - Park Rangers
 - Emergency Medical Technicians (EMT) and Paramedics
 - Fish & Game


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Sustainability and Green Technologies

- Training Opportunities:
 - Review Industry Flyer for certificates and degrees in the industry




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Transportation, Distribution & Logistics

- Industry Definition:
 - Responsible for managing the flow of goods, information, and people between a point of origin and a point of consumption in order to meet the requirements of consumers. This includes: air, water, rail and truck transportation, warehouse and storage, motor vehicle repair and passenger transportation.




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Transportation, Distribution & Logistics

- Transferable Skills:
 - Equipment Selection
 - Repairing
 - Problem Solving
 - Troubleshooting




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Transportation, Distribution & Logistics

- O*NET In Demand Job Titles:
 - Captains, Mates & Pilots of Water Vessels
 - Commercial Pilots
 - Freight & Cargo Inspectors
 - Ship & Boat Captains
 - Sailors & Marine Oilers
 - Transportation Inspectors
 - Truck Drivers
 - Material Movers



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Transportation, Distribution & Logistics

- Industry Trends:
 - Nationwide:
 - Contributes to 4.3 million jobs in the U.S. - 2007
 - Arizona:
 - Projected growth is 10.5% between 2006 and 2016



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Transportation, Distribution & Logistics

- Training Opportunities:
 - Review Industry Flyer for certificates and degrees in the industry


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Additional Resources

- www.lifeworktransitions.com
- online.onetcenter.org/
- www.bls.gov
- www.azcommerce.com/
- <http://www.careerclusters.org/>
- <http://www.maricopa.edu/>
- <http://www.maricopa.edu/workforce>
- <http://www.maricopa.edu/work>
- <http://maricopa.jobing.com/>
- <http://boomersindemand.com>



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Maricopa Community Colleges

- College/Skill Center Information (handout)
- Financial Aid Information (handout)



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Arizona Workforce Connection

- One-Stop Career Centers (handout)
 - Phoenix Workforce Connection
 - Maricopa Workforce Connections


Workshop - Industry Trend Data Sources
 Nationwide: Minnesota PLAN/U.S. Bureau of Labor
 Arizona: Arizona Department of Commerce



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Questions and Evaluations




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