



# Oklahoma's Comprehensive Economic Development Initiative

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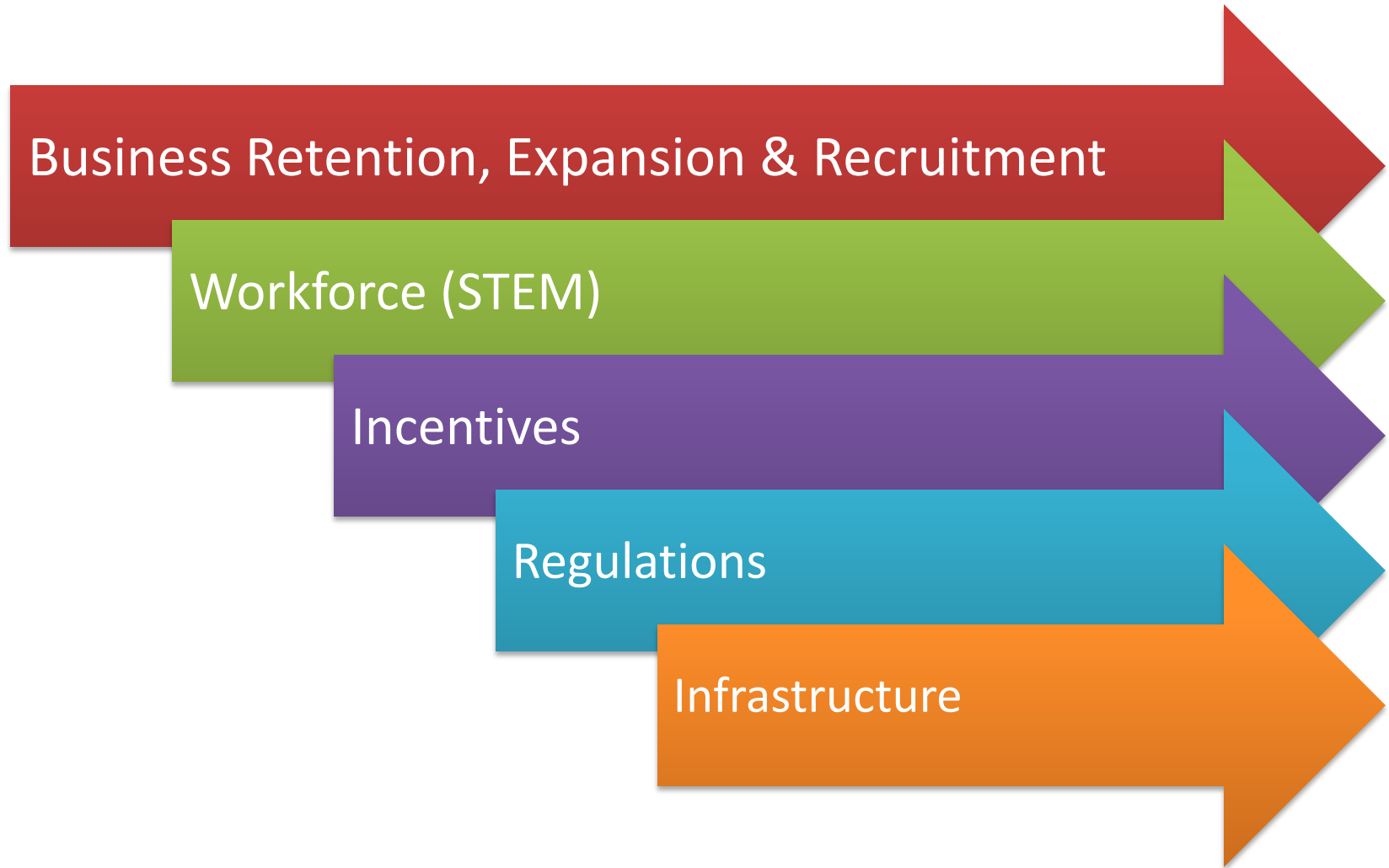
**OKLAHOMA**  
DEPARTMENT OF COMMERCE

# Needs Assessment

- Prioritize Resources
- Align Policies
- Maximize Outcomes
- Require Accountability



# Policy Alignment Examples



# Methodology

Sales Revenue  
Export Share  
Wages

Wealth  
Generation

Location Quotient  
Physical Assets  
Workforce

Growth  
Potential

Competitive  
Advantage

New Markets  
Industry Trends  
Number of Establishments

# Process

Step 5. Tested conclusions against macro economic data

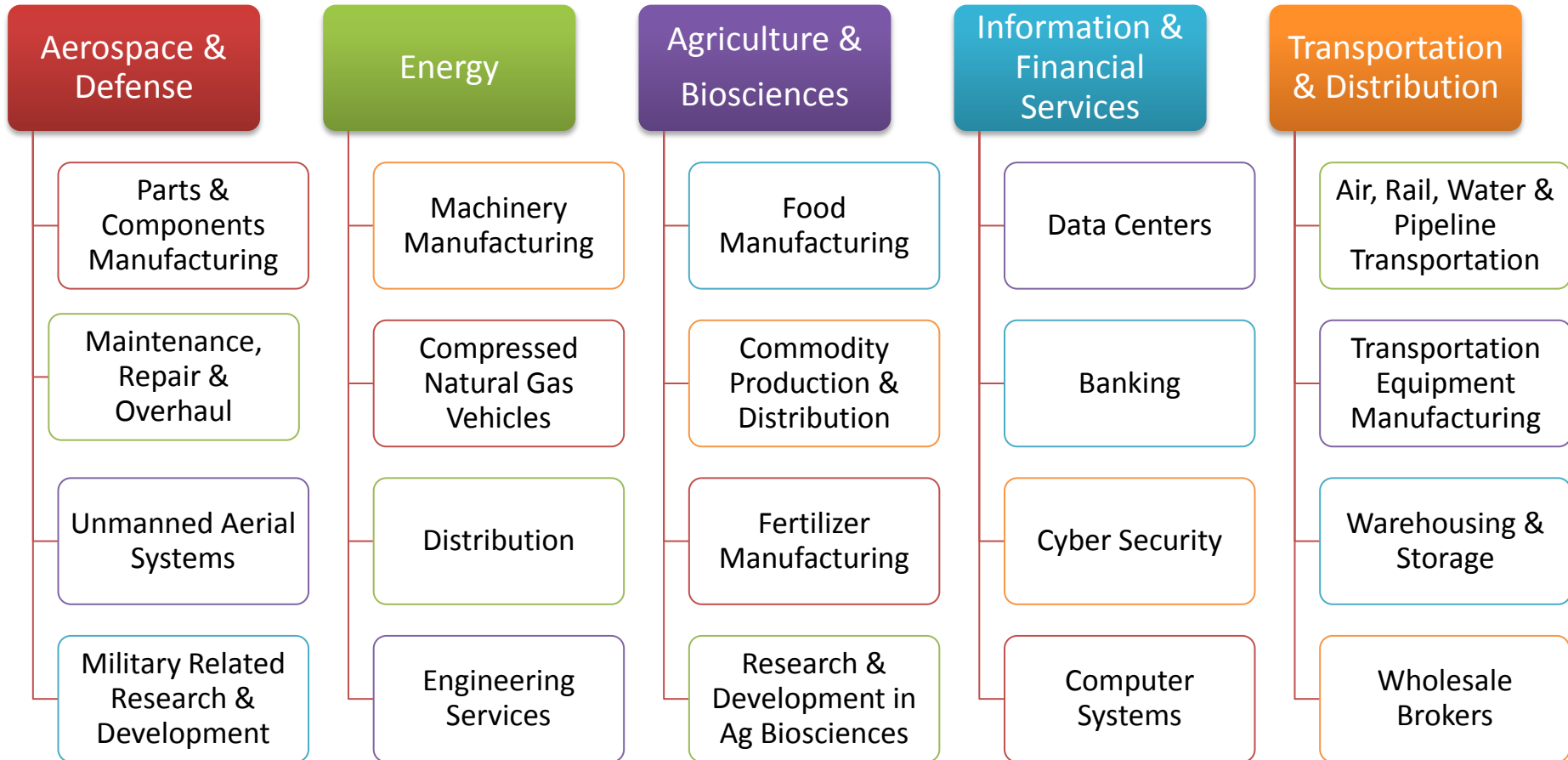
Step 4. Aggregated findings to ecosystems that share economic characteristics

Step 3. Analyzed qualitative data including OK's physical assets, R&D expertise and workforce strengths

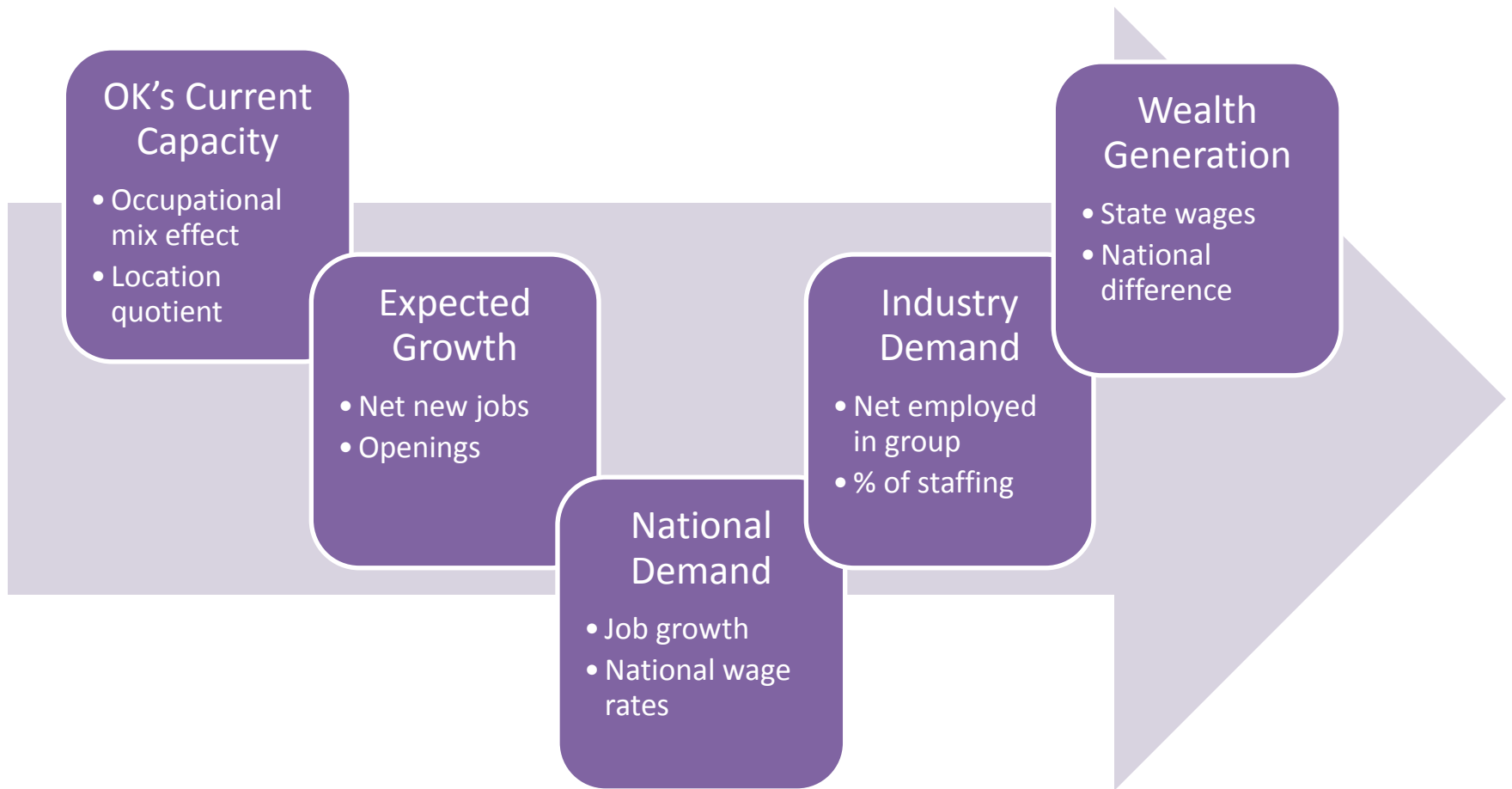
Step 2. Identified those industries that ranked highest in each and all of the 3 categories

Step 1. Analyzed quantitative variables for wealth generation, growth potential and competitive advantage for 669 industries

# Ecosystems

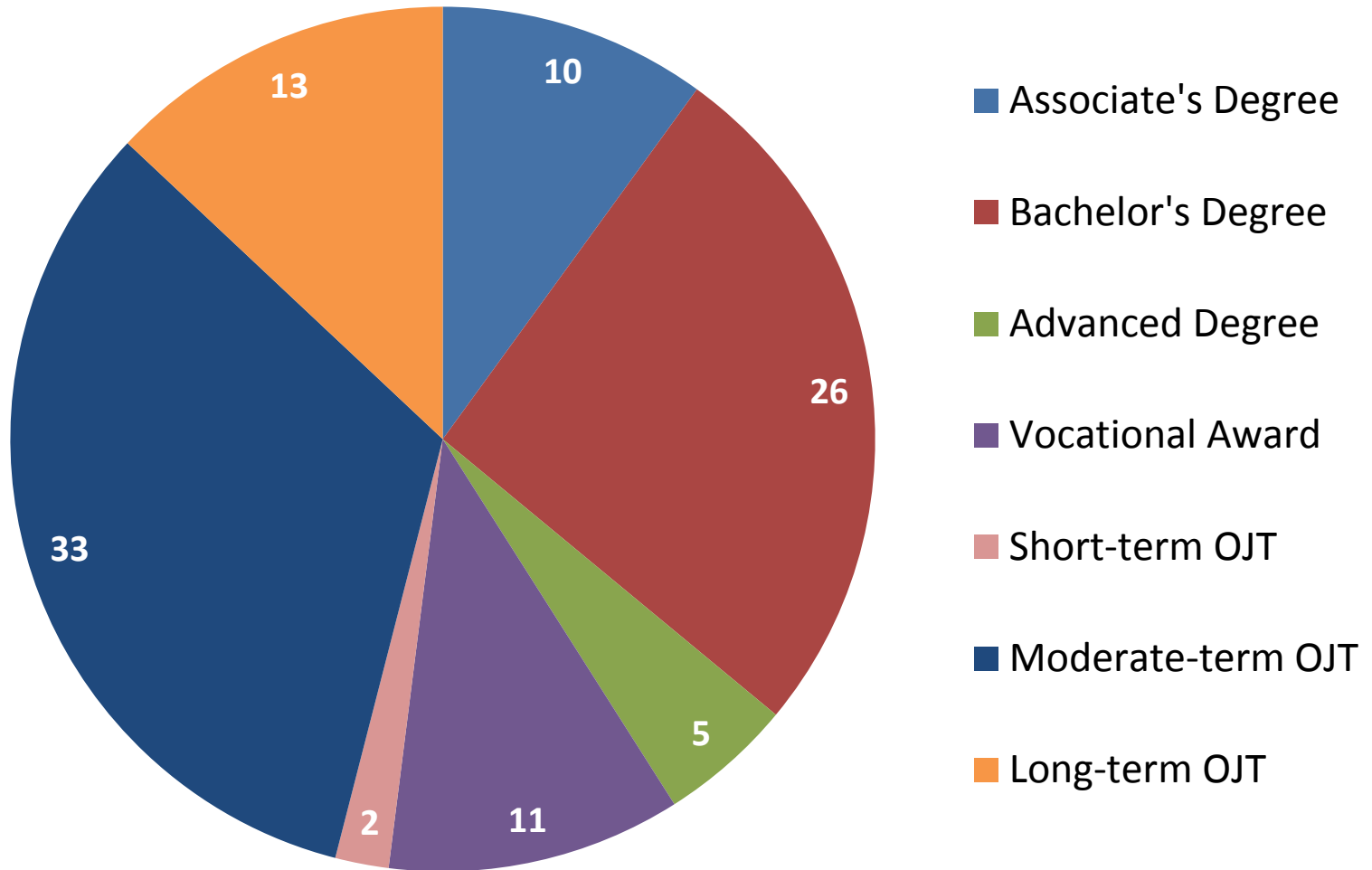


# Critical Occupations



# Educational Requirements

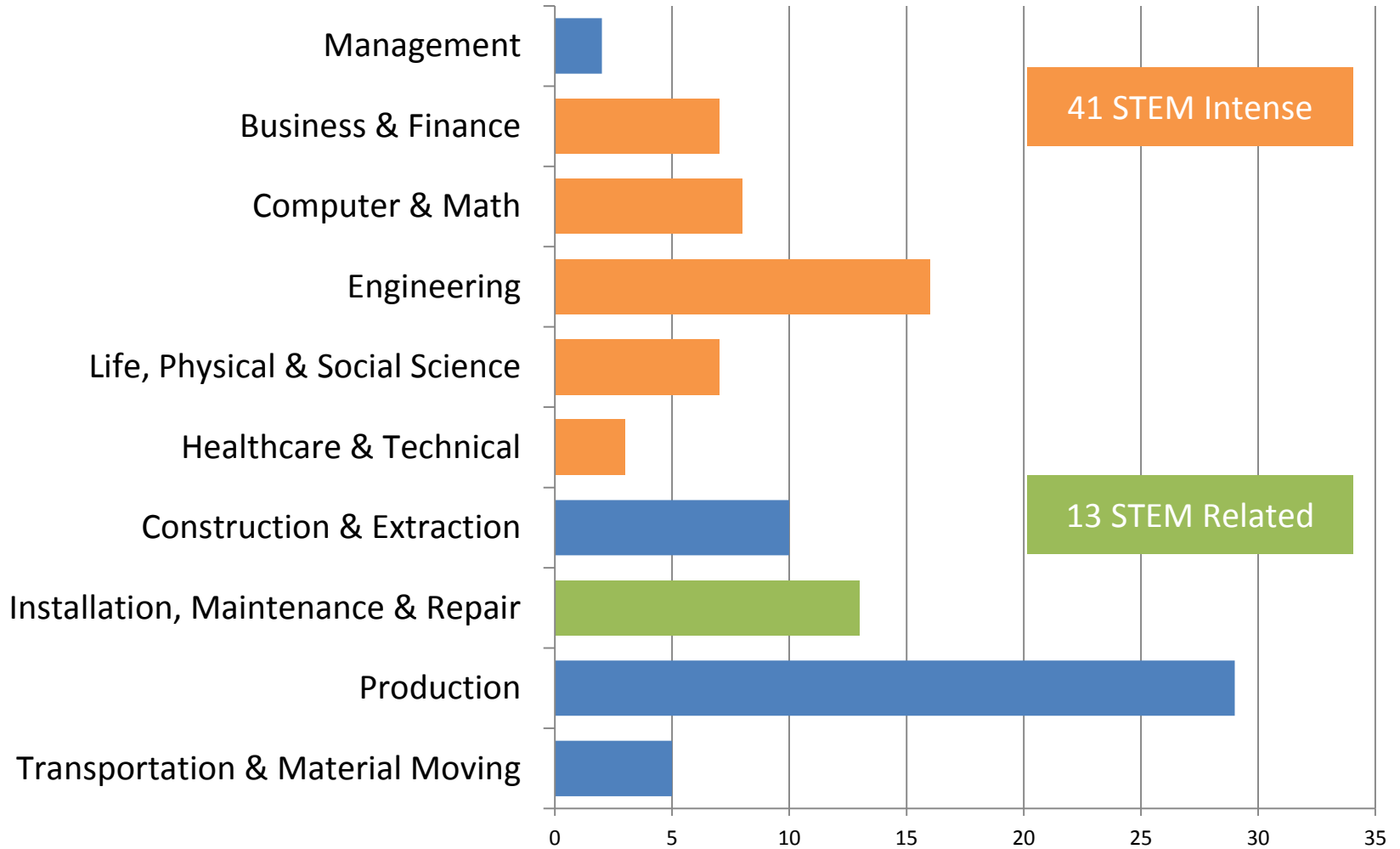
## Breakdown of Occupations by Education





# Classification

## Occupations by Classification



# The 100 (Degrees and Certificates)

## Associate's Degrees (10)

- Computer Specialists
- Electrical & Electronic Engineering Technicians
- Industrial Engineering Technicians
- Mechanical Engineering Technicians
- Engineering Technicians, Except Drafters
- Chemical Technicians
- Geological & Petroleum Technicians
- Life, Physical, & Social Science Technicians
- Medical & Clinical Laboratory Technicians
- Radiologic Technologists & Technicians

## Advanced Degrees (5)

- General & Operations Managers
- Management Analysts
- Operations Research Analysts
- Geoscientists
- Medical Scientists

## Bachelor's Degrees (26)

- Logisticians
- Accountants & Auditors
- Financial Analysts
- Insurance Analysts/Underwriters
- Financial Specialists
- Computer Programmers
- Computer Software Engineers
- Computer Systems Analysts
- Database Administrators
- Network & Computer Systems Administrators
- Network Systems & Data Communications Analysts
- Aerospace Engineers
- Chemical Engineers
- Civil Engineers
- Computer Hardware Engineers
- Electrical Engineers
- Electronics Engineers
- Industrial Engineers
- Mechanical Engineers
- Mining & Geological Engineers
- Petroleum Engineers
- Engineers
- Chemists
- Market Research Analysts
- Medical & Clinical Laboratory Technologists

## Postsecondary Vocational Awards (11)

- Mechanical Drafters
- Avionics Technicians
- Electric Motor, Power Tool, & Related Repairers
- Electrical & Electronics Repairers, Commercial & Industrial Equipment
- Electrical & Electronics Repairers, Powerhouse, Substation, & Relay
- Aircraft Mechanics & Service Technicians
- Automotive Service Technicians & Mechanics
- Bus & Truck Mechanics & Diesel Engine Specialists
- Heating, Air Conditioning, & Refrigeration Mechanics & Installers
- Welders, Cutters, Solderers, & Brazers
- Welding, Soldering, & Brazing Machine Setters, Operators, & Tenders

# The 100 (OJT)

## Moderate-term on-the-job training (33)

- Operating Engineers & Other Construction Equipment Operators
- Derrick Operators, Oil & Gas
- Rotary Drill Operators, Oil & Gas
- Service Unit Operators, Oil, Gas, & Mining
- Earth Drillers, Except Oil & Gas
- Explosives Workers, Ordnance Handling Experts, & Blasters
- Control & Valve Installers & Repairers
- Maintenance Workers, Machinery
- Aircraft Structure, Surfaces, Rigging, & Systems Assemblers
- Structural Metal Fabricators & Fitters
- Team Assemblers
- Computer-Controlled Machine Tool Operators
- Rolling Machine SOT
- Cutting, Punching, & Press Machine SOT
- Drilling & Boring Machine Tool SOT
- Grinding, Lapping, Polishing, & Buffing Machine Tool SOT
- Lathe & Turning Machine Tool SOT
- Milling & Planing Machine SOT
- Molding, Coremaking, & Casting Machine SOT
- Multiple Machine Tool SOT
- Chemical Equipment Operators & Tenders
- Crushing, Grinding, & Polishing Machine SOT
- Mixing & Blending Machine SOT
- Cutting & Slicing Machine SOT
- Extruding, Forming, Pressing, & Compacting Machine SOT
- Furnace, Kiln, Oven, Drier, & Kettle Operators & Tenders
- Inspectors, Testers, Sorters, Samplers, & Weighers
- Coating, Painting, & Spraying Machine SOT
- Molders, Shapers, & Casters
- Paper Goods Machine SOT
- Tire Builders
- Excavating & Loading Machine & Dragline Operators
- Gas Compressor & Gas Pumping Station Operators

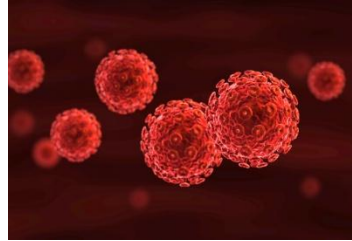
## Long-term on-the-job training (13)

- Farmers & Ranchers
- Boilermakers
- Electricians
- Plumbers, Pipefitters, & Steamfitters
- Sheet Metal Workers
- Farm Equipment Mechanics
- Mobile Heavy Equipment Mechanics
- Industrial Machinery Mechanics
- Machinists
- Tool & Die Makers
- Gas Plant Operators
- Petroleum Pump System Operators, Refinery Operators, & Gaugers
- Crane & Tower Operators

## Short-term on-the-job training (2)

- Truck Drivers, Heavy & Tractor-Trailer
- Industrial Truck & Tractor Operators

Note: SOT is Setters, Operators and Tenders



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