## **BINGO**

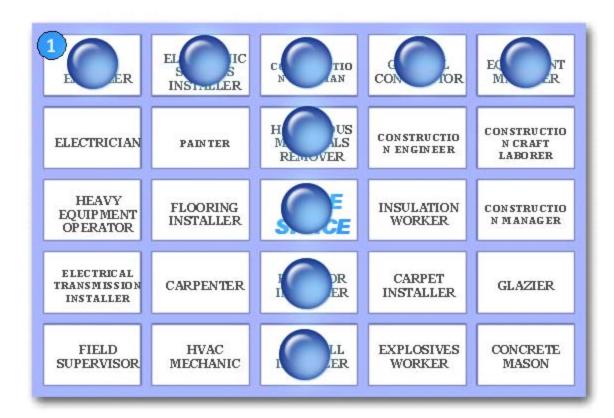
## Careers in Engineering, Support Related CTAE Resource Network, Curriculum Office September, 2009

## **Directions for the Instructor**

- 1. Print the bingo cards. Twenty six different cards are included. Print additional cards at random if needed. Cut each sheet to separate the cards. Cards may be laminated for durability.
- 2. Give each student a bingo card and chips, markers, or scrap paper. If paper is to be used, ask students to tear or cut 25 pieces of paper about one-half inch square. If the cards have been laminated, students can mark their cards with erasable markers.
- 3. Explain to the students that you will read the definitions to the class and that they should mark the correct answer on their card. Note that all cards do not have all the answers.
- 4. At random, read ONLY the definitions from the list. Mark the checkbox beside the definitions as they are used. The student should place a chip on the cell with the correct response.
- 5. When a student has placed chips on 5 spaces in a row (diagonally, vertically, or horizontally) the student should call "Bingo". Ask the winning student to call out their answers. Check their answers to make sure those definitions have been used.

## Variations:

• T-Bingo: The card must be marked in the shape of a "T" to call Bingo.



•Corners Bingo: The four outer corners of the card must be marked to get Bingo.



•U-Bingo: The card must be marked in the shape of a "U" to call Bingo.



Correct Response	Definition	Used 🗸
Agricultural Engineering Technician	Assists agricultural engineers with engineering projects and research.	
Architect	Plans and designs buildings, and participates in supervising the construction of a building.	
Code Official	A government official who issues permits for and inspects buildings, plumbing, floodplain management, land use, signs, and demolition.	
Computer Programmer	Writes, tests, and maintains the detailed instructions, called programs, that computers follow to perform specific functions.	
Computer Network Technician	Builds and maintains computer networks used by business, education, government, and health-care institutions.	
Engineering Inspector	Assesses construction or renovation of structures such as buildings, roads, and water systems to assure compliance with codes and regulations, and adherence to stipulations of the contract.	
Drafter	Applies computer programs to make detailed technical drawings to engineering specifications that construction crews use to erect structures.	
Electrician	Installs and maintains wiring systems and electrical system components.	
Engineering Psychologist	Combines knowledge of engineering and human behavior. Includes ergonomics, human-computer interaction, or the study of military targets.	
Engineering Teacher	Teaches fundamentals and applications of engineering and advanced coursework at the postsecondary level.	
Environmental Designer	Plans and designs land areas for such projects as parks and other recreational facilities, airports, highways, schools, subdivisions, and commercial, and industrial sites.	
Estimator	Provides cost analysis of projects based on engineering specifications.	

Correct Response	Definition	Used 🔽
Facilities Technician	Coordinates the maintenance tasks and procedures for large scale production facilities and systems.	
Landscape Architect	Prepares designs for sites that specify how roads, buildings, topography, and vegetation all fit together for the most functional and attractive site.	
Electrical Line Worker	Installs and repairs networks of electrical lines that supply communities with electrical power and communications services.	
Maintenance Scheduler	Schedules, supervises, and coordinates the maintenance activities of mechanics, installers, and repairers.	
Manufacturer's Representative	Coordinates activities to make potential wholesale and retail buyers interested in the manufacturer's products or services.	
Broadcast Technician	Sets up, operates and maintains equipment that regulates the signal strength, clarity, and the range of sounds and colors of radio or television broadcasts.	
Restoration Technician	Works with architects, engineers, and preservationists to repair or replace components of historic structures to return buildings to the original state or appearance.	
Safety Director	Oversees construction projects and ongoing production facilities to prevent harm or damage to workers, the general public, property, and the environment.	
Specifications Writer	Describes in written documents the types of materials to be used in construction projects, the standards for materials used, and how the materials are to be used.	
Surveyor	Measures directions and angles on the Earth's surface and researches legal records to determine property and boundary lines for residential and commercial buildings.	

Correct Response	Definition	Used 🗸
Wastewater Maintenance Technician	Operates and maintains the pumps, valves, and other equipment that move waste water through various stages of treatment.	
Water Treatment Technician	Responsible for the pumps, valves, and engineering equipment and processes necessary to treat water from rivers, wells, and reservoirs so that it is safe to drink.	

COMPUTER PROGRAMMER	FACILITIES	ELECTRICIAN	RESTORATION TECHNICIAN	ELECTRICAL LINE WORKER
ESTIMATOR	AGRICULTURAL ENGINEERING TECHNICIAN	SURVEYOR	DRAFTER	ENGINEERING INSPECTOR
SPECIFICATIONS WRITER	BROADCAST TECHNICIAN	FREE SPACE	WATER TREATMENT TECHNICIAN	ENGINEERING PSYCHOLOGIST
ENVIRON- MENTAL DESIGNER	ARCHITECT	LANDSCAPE ARCHITECT	CODE OFFICIAL	SAFETY DIRECTOR
MANUFACTURER'S REPRESENTATIVE	WASTEWATER MAINTENANCE TECHNICIAN	ENGINEERING TEACHER	MAINTENANCE SCHEDULER	COMPUTER NETWORK TECHNICIAN

2 COMPUTER NETWORK TECHNICIAN	ESTIMATOR	AGRICULTURAL ENGINEERING TECHNICIAN	MAINTENANCE SCHEDULER	ENVIRON- MENTAL DESIGNER
ENGINEERING PSYCHOLOGIST	SPECIFICATIONS WRITER	ELECTRICIAN	SAFETY DIRECTOR	WATER TREATMENT TECHNICIAN
MANUFACTURER'S REPRESENTATIVE	ENGINEERING INSPECTOR	FREE SPACE	COMPUTER PROGRAMMER	DRAFTER
CODE OFFICIAL	ENGINEERING TEACHER	SURVEYOR	LANDSCAPE ARCHITECT	RESTORATION TECHNICIAN
FACILITIES	WASTEWATER MAINTENANCE TECHNICIAN	BROADCAST TECHNICIAN	ARCHITECT	ELECTRICAL LINE WORKER

COMPUTER PROGRAMMER	ELECTRICIAN	BROADCAST TECHNICIAN	ENVIRON- MENTAL DESIGNER	CODE OFFICIAL
MANUFACTURER'S REPRESENTATIVE	ESTIMATOR	MAINTENANCE SCHEDULER	ARCHITECT	LANDSCAPE ARCHITECT
RESTORATION TECHNICIAN	DRAFTER	FREE SPACE	FACILITIES	WATER TREATMENT TECHNICIAN
ENGINEERING PSYCHOLOGIST	WASTEWATER MAINTENANCE TECHNICIAN	AGRICULTURAL ENGINEERING TECHNICIAN	SURVEYOR	COMPUTER NETWORK TECHNICIAN
SAFETY DIRECTOR	ENGINEERING INSPECTOR	SPECIFICATIONS WRITER	ENGINEERING TEACHER	ELECTRICAL LINE WORKER

SAFETY DIRECTOR	ELECTRICAL LINE WORKER	ENGINEERING PSYCHOLOGIST	ARCHITECT	MAINTENANCE SCHEDULER
AGRICULTURAL ENGINEERING TECHNICIAN	SURVEYOR	ENGINEERING TEACHER	CODE OFFICIAL	SPECIFICATIONS WRITER
RESTORATION TECHNICIAN	ELECTRICIAN	FREE SPACE	COMPUTER PROGRAMMER	ENVIRON- MENTAL DESIGNER
DRAFTER	LANDSCAPE ARCHITECT	WASTEWATER MAINTENANCE TECHNICIAN	ESTIMATOR	BROADCAST TECHNICIAN
WATER TREATMENT TECHNICIAN	ENGINEERING INSPECTOR	FACILITIES	MANUFACTURER'S REPRESENTATIVE	COMPUTER NETWORK TECHNICIAN

5 ELECTRICIAN	ARCHITECT	RESTORATION TECHNICIAN	LANDSCAPE ARCHITECT	CODE OFFICIAL
AGRICULTURAL ENGINEERING TECHNICIAN	BROADCAST TECHNICIAN	ENGINEERING PSYCHOLOGIST	SAFETY DIRECTOR	FACILITIES
WATER TREATMENT TECHNICIAN	MANUFACTURER'S REPRESENTATIVE	FREE SPACE	COMPUTER PROGRAMMER	ESTIMATOR
DRAFTER	SPECIFICATIONS WRITER	COMPUTER NETWORK TECHNICIAN	ELECTRICAL LINE WORKER	SURVEYOR
ENGINEERING INSPECTOR	WASTEWATER MAINTENANCE TECHNICIAN	MAINTENANCE SCHEDULER	ENGINEERING TEACHER	ENVIRON- MENTAL DESIGNER

6 ARCHITECT	ELECTRICIAN	SPECIFICATIONS WRITER	ENGINEERING TEACHER	RESTORATION TECHNICIAN
SURVEYOR	ELECTRICAL LINE WORKER	LANDSCAPE ARCHITECT	COMPUTER NETWORK TECHNICIAN	FACILITIES
SAFETY DIRECTOR	COMPUTER PROGRAMMER	FREE SPACE	ENGINEERING PSYCHOLOGIST	BROADCAST TECHNICIAN
MAINTENANCE SCHEDULER	DRAFTER	WASTEWATER MAINTENANCE TECHNICIAN	ENVIRON- MENTAL DESIGNER	AGRICULTURAL ENGINEERING TECHNICIAN
ENGINEERING INSPECTOR	CODE OFFICIAL	MANUFACTURER'S REPRESENTATIVE	WATER TREATMENT TECHNICIAN	ESTIMATOR

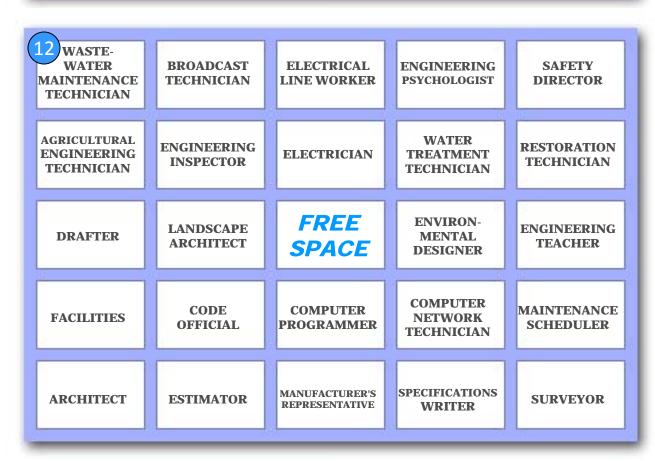
7 MANUFACTURER'S REPRESENTATIVE	WASTEWATER MAINTENANCE TECHNICIAN	COMPUTER PROGRAMMER	RESTORATION TECHNICIAN	ENGINEERING TEACHER
COMPUTER NETWORK TECHNICIAN	ENGINEERING PSYCHOLOGIST	WATER TREATMENT TECHNICIAN	LANDSCAPE ARCHITECT	ELECTRICAL LINE WORKER
ESTIMATOR	SPECIFICATIONS WRITER	FREE SPACE	ARCHITECT	AGRICULTURAL ENGINEERING TECHNICIAN
ENGINEERING INSPECTOR	SURVEYOR	FACILITIES	BROADCAST TECHNICIAN	DRAFTER
SAFETY DIRECTOR	MAINTENANCE SCHEDULER	CODE OFFICIAL	ENVIRON- MENTAL DESIGNER	ELECTRICIAN

8 FACILITIES	ARCHITECT	SAFETY	ENVIRON- MENTAL	WATER TREATMENT
THEMENTED	AMOMAZEI	DIRECTOR	DESIGNER	TECHNICIAN
WASTEWATER MAINTENANCE TECHNICIAN	ESTIMATOR	DRAFTER	COMPUTER NETWORK TECHNICIAN	MANUFACTURER'S REPRESENTATIVE
ENGINEERING TEACHER	RESTORATION TECHNICIAN	FREE SPACE	BROADCAST TECHNICIAN	AGRICULTURAL ENGINEERING TECHNICIAN
SPECIFICATIONS WRITER	ELECTRICAL LINE WORKER	ENGINEERING PSYCHOLOGIST	COMPUTER PROGRAMMER	ENGINEERING INSPECTOR
LANDSCAPE ARCHITECT	CODE OFFICIAL	ELECTRICIAN	SURVEYOR	MAINTENANCE SCHEDULER

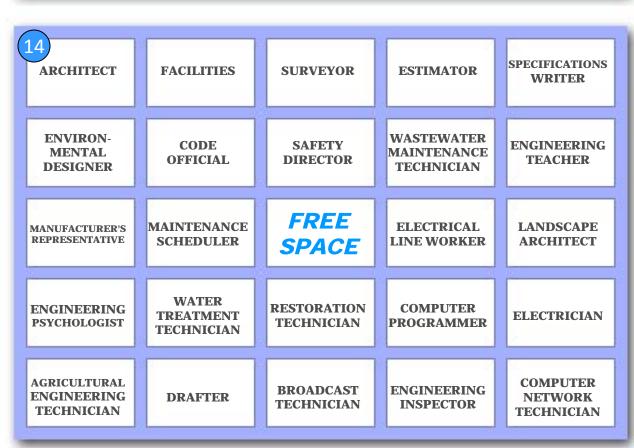
9 COMPUTER PROGRAMMER	FACILITIES	ELECTRICAL LINE WORKER	WATER TREATMENT TECHNICIAN	ENVIRON- MENTAL DESIGNER
BROADCAST TECHNICIAN	DRAFTER	SURVEYOR	ENGINEERING TEACHER	AGRICULTURAL ENGINEERING TECHNICIAN
COMPUTER NETWORK TECHNICIAN	SPECIFICATIONS WRITER	FREE SPACE	RESTORATION TECHNICIAN	ARCHITECT
LANDSCAPE ARCHITECT	ELECTRICIAN	WASTEWATER MAINTENANCE TECHNICIAN	ENGINEERING PSYCHOLOGIST	CODE OFFICIAL
ENGINEERING INSPECTOR	SAFETY DIRECTOR	ESTIMATOR	MANUFACTURER'S REPRESENTATIVE	MAINTENANCE SCHEDULER

10 ELECTRICAL LINE WORKER	WASTEWATER MAINTENANCE TECHNICIAN	WATER TREATMENT TECHNICIAN	SPECIFICATIONS WRITER	ESTIMATOR
ENGINEERING PSYCHOLOGIST	CODE OFFICIAL	MANUFACTURER'S REPRESENTATIVE	COMPUTER PROGRAMMER	ELECTRICIAN
ENGINEERING TEACHER	RESTORATION TECHNICIAN	FREE SPACE	BROADCAST TECHNICIAN	ENVIRON- MENTAL DESIGNER
ENGINEERING INSPECTOR	COMPUTER NETWORK TECHNICIAN	MAINTENANCE SCHEDULER	ARCHITECT	DRAFTER
LANDSCAPE ARCHITECT	SAFETY DIRECTOR	AGRICULTURAL ENGINEERING TECHNICIAN	SURVEYOR	FACILITIES

CODE OFFICIAL	COMPUTER NETWORK TECHNICIAN	MANUFACTURER'S REPRESENTATIVE	ARCHITECT	FACILITIES
SAFETY DIRECTOR	ESTIMATOR	MAINTENANCE SCHEDULER	ENGINEERING INSPECTOR	ENGINEERING PSYCHOLOGIST
ENVIRON- MENTAL DESIGNER	ENGINEERING TEACHER	FREE SPACE	WASTEWATER MAINTENANCE TECHNICIAN	LANDSCAPE ARCHITECT
WATER TREATMENT TECHNICIAN	BROADCAST TECHNICIAN	SURVEYOR	DRAFTER	AGRICULTURAL ENGINEERING TECHNICIAN
RESTORATION TECHNICIAN	COMPUTER PROGRAMMER	ELECTRICAL LINE WORKER	ELECTRICIAN	SPECIFICATIONS WRITER



ELECTRICAL LINE WORKER	BROADCAST TECHNICIAN	ELECTRICIAN	ENGINEERING PSYCHOLOGIST	ENGINEERING TEACHER
MAINTENANCE SCHEDULER	MANUFACTURER'S REPRESENTATIVE	DRAFTER	ENGINEERING INSPECTOR	ENVIRON- MENTAL DESIGNER
WATER TREATMENT TECHNICIAN	RESTORATION TECHNICIAN	FREE SPACE	COMPUTER NETWORK TECHNICIAN	ESTIMATOR
WASTEWATER MAINTENANCE TECHNICIAN	SAFETY DIRECTOR	AGRICULTURAL ENGINEERING TECHNICIAN	COMPUTER PROGRAMMER	FACILITIES
SPECIFICATIONS WRITER	SURVEYOR	ARCHITECT	CODE OFFICIAL	LANDSCAPE ARCHITECT



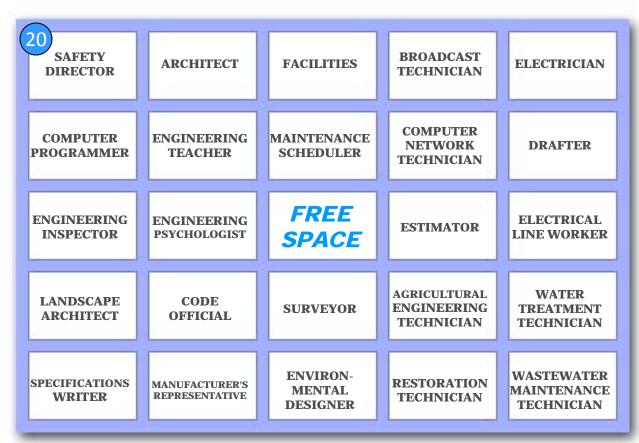
15) ESTIMATOR	ENGINEERING INSPECTOR	BROADCAST TECHNICIAN	COMPUTER NETWORK TECHNICIAN	RESTORATION TECHNICIAN
DRAFTER	MANUFACTURER'S REPRESENTATIVE	WATER TREATMENT TECHNICIAN	FACILITIES	COMPUTER PROGRAMMER
LANDSCAPE ARCHITECT	ENVIRON- MENTAL DESIGNER	FREE SPACE	SURVEYOR	SAFETY DIRECTOR
ELECTRICIAN	WASTEWATER MAINTENANCE TECHNICIAN	ARCHITECT	ENGINEERING PSYCHOLOGIST	CODE OFFICIAL
AGRICULTURAL ENGINEERING TECHNICIAN	SPECIFICATIO NS WRITER	MAINTENANCE SCHEDULER	ENGINEERING TEACHER	ELECTRICAL LINE WORKER

MANUFACTURER'S REPRESENTATIVE	ELECTRICIAN	SPECIFICATIONS WRITER	BROADCAST TECHNICIAN	FACILITIES
ENGINEERING TEACHER	ARCHITECT	SURVEYOR	COMPUTER NETWORK TECHNICIAN	DRAFTER
AGRICULTURAL ENGINEERING TECHNICIAN	ENGINEERING PSYCHOLOGIST	FREE SPACE	ENGINEERING INSPECTOR	SAFETY DIRECTOR
COMPUTER PROGRAMMER	ELECTRICAL LINE WORKER	WATER TREATMENT TECHNICIAN	LANDSCAPE ARCHITECT	ENVIRON- MENTAL DESIGNER
MAINTENANCE SCHEDULER	WASTEWATER MAINTENANCE TECHNICIAN	ESTIMATOR	RESTORATION TECHNICIAN	CODE OFFICIAL

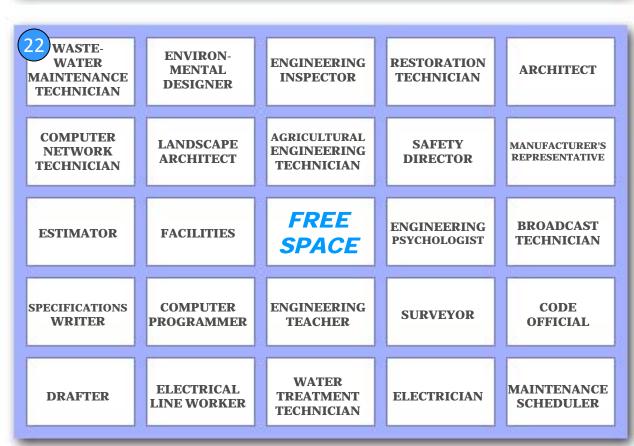
ENGINEERING PSYCHOLOGIST	SAFETY DIRECTOR	FACILITIES	ELECTRICIAN	CODE OFFICIAL
SURVEYOR	COMPUTER NETWORK TECHNICIAN	AGRICULTURAL ENGINEERING TECHNICIAN	SPECIFICATIONS WRITER	BROADCAST TECHNICIAN
ENGINEERING TEACHER	LANDSCAPE ARCHITECT	FREE SPACE	WATER TREATMENT TECHNICIAN	MANUFACTURER'S REPRESENTATIVE
COMPUTER PROGRAMMER	ENGINEERING INSPECTOR	RESTORATION TECHNICIAN	DRAFTER	WASTEWATER MAINTENANCE TECHNICIAN
ENVIRON- MENTAL DESIGNER	ELECTRICAL LINE WORKER	ESTIMATOR	ARCHITECT	MAINTENANCE SCHEDULER

18 SPECIFICATIONS WRITER	ENGINEERING TEACHER	MAINTENANCE SCHEDULER	ELECTRICAL LINE WORKER	CODE OFFICIAL
ENGINEERING PSYCHOLOGIST	COMPUTER NETWORK TECHNICIAN	BROADCAST TECHNICIAN	WASTEWATER MAINTENANCE TECHNICIAN	ELECTRICIAN
SURVEYOR	ENVIRON- MENTAL DESIGNER	FREE SPACE	LANDSCAPE ARCHITECT	FACILITIES
ARCHITECT	ESTIMATOR	WATER TREATMENT TECHNICIAN	DRAFTER	COMPUTER PROGRAMMER
MANUFACTURER'S REPRESENTATIVE	AGRICULTURAL ENGINEERING TECHNICIAN	ENGINEERING INSPECTOR	SAFETY DIRECTOR	RESTORATION TECHNICIAN

19 ENGINEERING INSPECTOR	ESTIMATOR	LANDSCAPE ARCHITECT	COMPUTER NETWORK TECHNICIAN	BROADCAST TECHNICIAN
SURVEYOR	ARCHITECT	WATER TREATMENT TECHNICIAN	ENGINEERING PSYCHOLOGIST	ENVIRON- MENTAL DESIGNER
SPECIFICATIONS WRITER	ELECTRICIAN	FREE SPACE	RESTORATION TECHNICIAN	CODE OFFICIAL
AGRICULTURAL ENGINEERING TECHNICIAN	SAFETY DIRECTOR	MAINTENANCE SCHEDULER	MANUFACTURER'S REPRESENTATIVE	ELECTRICAL LINE WORKER
FACILITIES	DRAFTER	WASTEWATER MAINTENANCE TECHNICIAN	COMPUTER PROGRAMMER	ENGINEERING TEACHER



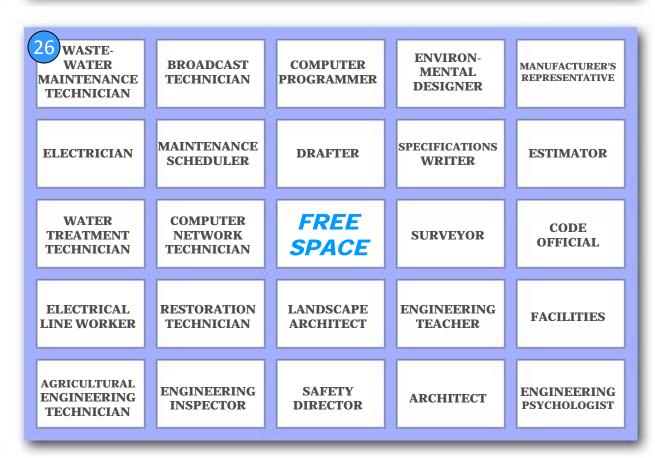
COMPUTER PROGRAMMER	ENVIRON- MENTAL DESIGNER	DRAFTER	ENGINEERING PSYCHOLOGIST	AGRICULTURAL ENGINEERING TECHNICIAN
FACILITIES	SURVEYOR	MANUFACTURER'S REPRESENTATIVE	WASTEWATER MAINTENANCE TECHNICIAN	ELECTRICAL LINE WORKER
COMPUTER NETWORK TECHNICIAN	SAFETY DIRECTOR	FREE SPACE	RESTORATION TECHNICIAN	ENGINEERING INSPECTOR
MAINTENANCE SCHEDULER	WATER TREATMENT TECHNICIAN	BROADCAST TECHNICIAN	SPECIFICATIONS WRITER	LANDSCAPE ARCHITECT
ARCHITECT	ENGINEERING TEACHER	ELECTRICIAN	ESTIMATOR	CODE OFFICIAL



ENGINEERING PSYCHOLOGIST	AGRICULTURAL ENGINEERING TECHNICIAN	MAINTENANCE SCHEDULER	ESTIMATOR	SAFETY DIRECTOR
RESTORATION TECHNICIAN	ARCHITECT	SPECIFICATIONS WRITER	COMPUTER PROGRAMMER	COMPUTER NETWORK TECHNICIAN
MANUFACTURER'S REPRESENTATIVE	BROADCAST TECHNICIAN	FREE SPACE	WATER TREATMENT TECHNICIAN	DRAFTER
ELECTRICIAN	ENVIRON- MENTAL DESIGNER	LANDSCAPE ARCHITECT	CODE OFFICIAL	FACILITIES
ENGINEERING TEACHER	WASTEWATER MAINTENANCE TECHNICIAN	SURVEYOR	ENGINEERING INSPECTOR	ELECTRICAL LINE WORKER

ENGINEERING INSPECTOR	SAFETY DIRECTOR	ENVIRON- MENTAL DESIGNER	WASTEWATER MAINTENANCE TECHNICIAN	ELECTRICAL LINE WORKER
SURVEYOR	COMPUTER PROGRAMMER	MAINTENANCE SCHEDULER	WATER TREATMENT TECHNICIAN	COMPUTER NETWORK TECHNICIAN
DRAFTER	RESTORATION TECHNICIAN	FREE SPACE	LANDSCAPE ARCHITECT	FACILITIES
CODE OFFICIAL	ENGINEERING TEACHER	AGRICULTURAL ENGINEERING TECHNICIAN	ELECTRICIAN	SPECIFICATIONS WRITER
ARCHITECT	MANUFACTURER'S REPRESENTATIVE	ESTIMATOR	BROADCAST TECHNICIAN	ENGINEERING PSYCHOLOGIST

DRAFTER	ELECTRICAL LINE WORKER	SAFETY DIRECTOR	ENGINEERING PSYCHOLOGIST	ESTIMATOR
SPECIFICATIONS WRITER	ARCHITECT	LANDSCAPE ARCHITECT	RESTORATION TECHNICIAN	ENVIRON- MENTAL DESIGNER
MAINTENANCE SCHEDULER	WASTEWATER MAINTENANCE TECHNICIAN	FREE SPACE	CODE OFFICIAL	SURVEYOR
ELECTRICIAN	ENGINEERING INSPECTOR	WATER TREATMENT TECHNICIAN	ENGINEERING TEACHER	BROADCAST TECHNICIAN
AGRICULTURAL ENGINEERING TECHNICIAN	MANUFACTURER'S REPRESENTATIVE	FACILITIES	COMPUTER PROGRAMMER	COMPUTER NETWORK TECHNICIAN



LANDSCAPE ARCHITECT	FACILITIES	CODE OFFICIAL	ARCHITECT	ENGINEERING TEACHER
COMPUTER PROGRAMMER	SPECIFICATIONS WRITER	WASTEWATER MAINTENANCE TECHNICIAN	AGRICULTURAL ENGINEERING TECHNICIAN	ENGINEERING PSYCHOLOGIST
WATER TREATMENT TECHNICIAN	ESTIMATOR	FREE SPACE	MAINTENANCE SCHEDULER	MANUFACTURER'S REPRESENTATIVE
COMPUTER NETWORK TECHNICIAN	SAFETY DIRECTOR	ENGINEERING INSPECTOR	ELECTRICAL LINE WORKER	ELECTRICIAN
SURVEYOR	ENVIRON- MENTAL DESIGNER	RESTORATION TECHNICIAN	BROADCAST TECHNICIAN	DRAFTER

28 RESTORATION TECHNICIAN	SAFETY DIRECTOR	AGRICULTURAL ENGINEERING TECHNICIAN	ENGINEERING PSYCHOLOGIST	SPECIFICATIONS WRITER
ARCHITECT	ELECTRICAL LINE WORKER	MAINTENANCE SCHEDULER	ENGINEERING TEACHER	COMPUTER NETWORK TECHNICIAN
ENGINEERING INSPECTOR	DRAFTER	FREE SPACE	WASTEWATER MAINTENANCE TECHNICIAN	ESTIMATOR
CODE OFFICIAL	LANDSCAPE ARCHITECT	COMPUTER PROGRAMMER	MANUFACTURER'S REPRESENTATIVE	ENVIRON- MENTAL DESIGNER
BROADCAST TECHNICIAN	SURVEYOR	ELECTRICIAN	WATER TREATMENT TECHNICIAN	FACILITIES