

Print and cut out the following blue slips to pull for Water Career Bingo

Administrative Secretary	Billing Technician	Chemist	City Planner	Conservationist
Customer Service	Disposal Equipment Operator	DWTP Operator	DWTP Supervisor	Electrician
Environmental Compliance Officer	Environmental Engineer	Environmental Sampler	Field Representative	Flush Truck Operator
Hydraulic Engineer	Hydrologist	Inventory Control Technician	Lab Technician	Maintenance Mechanic
Meter Management	Meter Reader	Microbiologist	Plumber	Stormwater Management
Superintendent	Surveyor	TV Camera Operator	Utilities Manager	Water Business Manager
Water & Sewer	WRF Operator	WRF Supervisor		

Career Name	What do they do?	This job is good for someone who...	Education Requirements*
Administrative Secretary	Greets visitors; prepare payroll for employees; keep track of filing system for all records; types letters & correspondence; answer phones; coordinate schedules and meetings	Very organized; communicates well; pays attention to detail; likes to work on a computer; enjoys working inside; likes to help others	HS diploma with an Associate's/Vocational/ Technical degree in secretarial science, business, or accounting
Billing Technician	Manages the bills of water customers; respond to customer concerns about possible broken meters; process the monthly bills	Likes to work with people; enjoys math; is detail oriented and organized; enjoys accounting; likes to work on a computer	HS diploma; 1-2 years of computerized water billing, auditing , or related experience

Chemist	Test and analyze water samples; records data and prepares reports; looks for trends and makes recommendations for regulations & government policy	Enjoys chemistry & biology; good at collecting data & keeping records; enjoys math & statistics; likes to take care of our community and keep people safe; likes to work in a lab	BS in Chemistry; experience in water/wastewater laboratory analysis at a supervisory level. Graduate programs in water chemistry are now available.
City Planner	Make long- and short-term plans regarding use of land and resources in their cities; plan for the future needs of the city's population; recommend locations for infrastructure; may help draft legislation; may hold public meetings	Enjoys geography, economics, political science, statistics; likes to work with others; enjoys solving problems; likes to work on computers; has strong spatial & communication skills	MS in urban, regional, or environmental planning; should consider a BS in geography, economics, political science, or environmental design
Conservationist	Manages and protects our water resources; develops programs to reduce water consumption & loss; educates the community about water conservation	Concerned about the environment; enjoys meeting people; enjoys teaching; meeting new people; likes to be organized; enjoys keeping up with new technology	BS in Science, Horticulture, or a related environmental science; 2-4 years exp in natural resources or environmental conservation
Customer Service	Connect the Public Utilities Department to the customers; answer customers' questions; helps to resolve problems; must have good phone and computer skills; is the face of our department	Likes to work with and help people; has good communication skills; is good at problem solving; likes to be inside; is very patient and tactful; enjoys the challenge of making people happy; dependable	HS diploma with additional training in customer service and basic bookkeeping/accounting; experience involving customer service & billing procedures

Disposal Equipment Operator

Transports sludge from water reclamation facility to disposal sites for use in compost; operates heavy equipment; maintains and repairs vehicles as needed

Likes to work with machinery, such as pumps & motors; likes working with heavy equipment like dump trucks and front-end loaders; enjoys working outside

HS diploma; one year experience involving heavy equipment operation; must be able to obtain GA Commercial Driver's License

DWTP Operator

Operates the water treatment plant to ensure a continuous supply of drinking water; analyzes and treats the water to clean it; operates various pumps to regulate flow of water

Likes to work outside; wants to take care of our environment and protect the health of our community; enjoys chemistry & biology; likes working with machinery

HS diploma with one year experience in water treatment systems maintenance or operations preferred; must obtain state certified Class III license for water treatment

DWTP Supervisor

Performs supervisory tasks associated with the operation of the drinking water treatment plant; monitors the treatment process; develops and implements employee trainings

Enjoys chemistry & biology; likes to manage others; wants to work outside; work with equipment; can delegate responsibilities; likes to work with computers

HS diploma and vocational/technical school degree in water/wastewater treatment; experience in water treatment maintenance and operations

Electrician

Design and install power supplies to make sure we have the electricity needed to deliver water & remove wastewater; troubleshoot power failures; work with low & high voltage components

Likes to problem solve; think on your feet; enjoys working with tools; likes to work with electricity; can keep up with new & energy efficient technologies to lower electricity costs

HS diploma; training as an electrician; 2 years electrical systems experience; a State of Georgia Electrical Class II Unrestricted License; additional certification may be required

Environmental Compliance Officer	Inspects industrial and commercial operations to make sure they are in compliance with sewer discharge regulations; supervises assigned staff; coordinates environmental sampling activities; prepares reports	Enjoys being outside; likes to meet people; wants to protect the environment; enjoys science, chemistry, biology; has good people skills; doesn't mind getting dirty	HS diploma; additional training in Wastewater Operations; experience in wastewater at a supervisory level; obtain a Class II state certified license for wastewater treatment
Environmental Engineer	Plans major system design improvements in water and wastewater treatment; inspects and evaluates to determine if system meets regulations; keeps up to date with the latest technologies to protect the environment	Likes to be creative; is inquisitive and analytical; enjoys mathematics, such as algebra, geometry, and calculus; likes the sciences; can work as a team and communicate well	BS in engineering with major in Civil or Environmental Engineering; experience in water/wastewater design; Certification as a Professional Engineer
Environmental Sampler	Collects wastewater samples from sewer lines and waste facilities; locates illegal discharge or spills; monitors sewer lines for chemical/temperature levels	Likes to work outside; enjoys chemistry; wants to take care of the community; likes to meet people; enjoys that no two days are the same	HS diploma; 6 -12 months wastewater operations, monitoring equipment and procedures experience; must obtain a Class III state certified license for wastewater treatment
Field Representative	Assist with the collection of overdue payments to ensure PUD has the funds to cover costs of delivering water; arrange for payment schedules; alert customers to possible leaks in the home	Likes to work outside; doesn't want the traditional 8-5 job; likes to meet new people and form relationships; enjoys driving around the county	HS diploma; one year of customer service, collections, billing or collections preferred

Flush Truck Operator

Maintains the water and sewer lines to keep them flowing freely; follows a rotor truck to clear out debris from pipes, so clean water and wastewater can be distributed and collected

Likes to work outside; wants to protect the environment; likes to help people; enjoys driving a big truck and working with tools; likes to solve problems

HS diploma; prefer 1-2 years of experience in construction, equipment operation or maintenance; will need to obtain a Georgia Commercial Driver's License

Hydraulic Engineer

Specializes in the effects of water and how it can influence the design of projects; looks at flow, runoff, flooding, and the effects of weather; help to design dams and bridges

Enjoys math and science; likes to solve problems; creative and shows ingenuity; has strong computer skills

BS in civil or agricultural engineering; coursework in oceanography, geophysics, or meteorology can be helpful; skilled in geographical information systems (GIS) helpful

Hydrologist

Hydrology is the study of water; hydrologist apply scientific knowledge and mathematical principles to solve water-related problems, such as problems of quantity, quality, and availability

Enjoys mathematics, statistics, geology, physics, computer science, chemistry, and biology; communicates well with others; strong writing skills

MS in environmental science with an emphasis on hydrological courses; should consider also taking courses in business, finance, and marketing if interested in consulting

Inventory Control Technician

Make sure all the necessary parts are on hand to quickly make repairs to keep our wastewater system running; inspect all incoming shipments for correct contents and price; move items with a forklift

Good at record keeping; likes to drive a forklift; very organized; enjoys math and accounting; can maintain an organized warehouse

HS diploma; 1 year of experience involving warehouse or inventory control or related responsibilities; computer skills

Lab Technician	Test and analyze samples from our rivers and drinking water and wastewater plants; records data and prepares reports; operates & maintains laboratory equipment	Enjoys chemistry & biology; good at collecting data & keeping records; enjoys math & statistics; likes to take care of our community and keep people safe	HS diploma; Vocational/Technical school training in chemistry or biology; requires Georgia Wastewater Laboratory Analyst Certification
Maintenance Mechanic	Repairs, maintains, and operates pumps, gauges, clear wells, motors, and gear boxes; operates heavy equipment such as bulldozer and drill press	Likes to work outside; enjoys problem solving; likes to take things apart and put them back together; likes to work with tools	HS diploma; Vocational/Technical school training in industrial maintenance or mechanics; experience with water system maintenance; Able to obtain state certified license Class III for water treatment
Meter Management	Reads blueprints to locate water & sewer lines; responds to complaints about water pressure & leaks	Likes to work outside; enjoys going to different locations daily; enjoys reading graphs and diagrams; likes to work with computers	BS in water, wastewater management, or related field; experience involving construction techniques, problem solving, and supervision/management; ability to get state certified licenses
Meter Reader	Install and repair water meters; tests meters for accuracy; operate equipment such as a dump truck, backhoe, jackhammer	Likes to work outside; enjoys going to different locations daily; likes to meet new people; enjoys working with heavy equipment	HS diploma with Associate's/Technical/Vocational degree; valid GA Commercial Driver's License
Microbiologist	Studies microscopic organisms, such as fungi, viruses, and bacteria; does research on harmful bacteria and pathogens	Collect water samples and analyze them under a microscope; enjoys working in a lab; likes to keep records and data; strong writing skills	BS or MS in microbiology; Ph.D. in microbiology if interested in academia; experience working in a lab

Plumber	Specializes in the installation and repair of pipes used to carry water, sewage, and wastewater	Likes to work with tools; likes to help people; enjoys going to different places everyday; likes to work in construction; doesn't mind getting dirty	HS diploma and Vocational/Technical training; completion of an apprenticeship program, usually lasting 4-5 years; a Georgia plumber's license
Stormwater Management	Work to protect our water resources; educates the public about how stormwater runoff effects our community; investigates illegal discharge into our waters	Enjoys chemistry; likes to get outside; wants to protect the environment; likes conducting experiments/taking water samples to determine water quality	BS or MS in natural resources, hydrology, forestry, or related field
Superintendent	Supervises & evaluates staff; develops long- and short-term goals and plans for plant; prepares the budget for plant; submits reports to various local, state, and federal agencies	Manage others; be in charge of a plant; develop budgets/work with numbers; likes to work with computers; enjoys statistics; likes to work with tools	BS in environmental science, Water Distribution/Wastewater Management or related field; experience in water treatment systems or water operations
Surveyor	Measures properties and pieces of land to determine boundaries; conducts topographical surveys; drafts/designs drawings	Likes to solve problems and conduct research; enjoys working in a team; likes math and geography; likes using computer and GPS equipment; likes working outdoors; enjoys physical work	Associate's/Vocational/Technical degree in Surveying; experience surveying and drafting; good computer skills

TV Camera Operator

Operate a T.V. camera through water pipelines; determine the condition of our water & sewer lines; discover the location of leaks and blockages

Likes to work outside; operate a T.V. camera or robots; enjoys math and measuring; works well as a team; not afraid to get dirty

HS diploma; 1-2 years or electronics; pipeline construction or related exp. TV Supervisor: HS diploma; Vocational/Technical training in Water/Wastewater MGMT

Utilities Manager

Oversees the entire distribution of water and collection of wastewater; supervises many divisions; develops the department's budget and controls expenditures; manages staff

Enjoys people; likes to supervise; wants to be a part of something big; cares about the community; likes to help people

BS in Civil or Environmental Engineering; 7-10 years experience in water/wastewater design; experience with senior level management; certification as a Professional Engineer

Water & Sewer

Installs and repairs water pipes & sewer lines; constructs manholes; locates leaks in sewer pipes; operates heavy equipment such as a front-end loader & dump truck; responds to emergency situations; on call 24 hours a day

Likes to work outside; responding to emergencies; work with heavy equipment; isn't afraid to get dirty; work with tools; enjoys having a new experience everyday; wants to make sure people get their water

HS diploma; can obtain a Georgia Department of Transportation Flagging Certification; have a valid Georgia Driver's License Class C

Water Business Manager

Coordinates the Water Business Office for the utility; supervises billing, collection, and customer service; helps to resolve customer complaints

Enjoys working with people; likes to supervise and manage others; good at delegating responsibilities and assignments

Bachelor's degree in accounting or business; 4 - 6 years experience in administration

WRF Operator

Monitors the water reclamation facility process; collects & tests water samples; operates/tends pumps, blowers, centrifuges, and aerators

Likes to work outside; wants to take care of our environment and protect the health of our community; enjoys chemistry & biology

HS diploma; experience in wastewater preferred; ability to obtain state certified license for water or wastewater treatment or distribution

WRF Supervisor

Performs supervisory tasks associated with the operation of the water reclamation facility; monitors the wastewater treatment process & makes adjustments

Enjoys chemistry & biology; likes to manage others; wants to work outside; likes to work with equipment; wants to help the environment

HS diploma; one year wastewater treatment experience required; one year supervisory experience required; Vocational/Technical training in wastewater treatment operations; Class I state certified license for wastewater treatment

* Note: Many of these jobs are attainable with any equivalent combination of education, training and experience which provides the requisite knowledge, skills, and abilities for the job.