

GROUNDS AND HORTICULTURAL TECHNICIAN II (HEAVY EQUIPMENT)

DEFINITION

Under general supervision, performs a variety of tasks primarily related to the maintenance of athletic fields in support of instructional and learning activities and operates a variety of equipment involved in the maintenance, modification, repair, and operation of College grounds. In addition, performs general campus grounds work as needed. Safely operates a variety of grounds and landscaping equipment and ensures that projects are conducted in a safe manner and that the athletics fields and grounds are safe.

SUPERVISION RECEIVED AND EXERCISED

Receives general supervision from the Coordinator, Grounds and Horticultural and/or assigned managerial personnel. May provide guidance and on-the-job training to staff.

CLASS CHARACTERISTICS

This is the journey-level II in the Grounds and Horticulture class series that is responsible for the operation of grounds heavy equipment and athletic fields and campus maintenance. This position receives only occasional instruction or assistance as new or unusual situations arise and is fully aware of the operating and safety procedures and policies of the work unit. Incumbents in this class are responsible for overseeing their assigned area(s) and functions and may also assist other trades on an as-needed basis. This class is distinguished from the Coordinator, Grounds and Horticultural in that the latter is responsible for multiple campus areas including technical and functional supervision of assigned grounds staff and is capable of performing the most complex duties assigned to the function.

EXAMPLES OF ESSENTIAL FUNCTIONS (Illustrative Only)

1. Safely operates a variety of light- to heavy-duty electric and gas-powered equipment including power and hand tools for the maintenance of campus grounds and athletic fields.
2. Performs a variety of tasks related to the operation, preparation, and maintenance of athletics fields, campus grounds, and equipment.
3. Prepares soil, plants, and maintains a variety of landscaping and plant materials for the beautification of College grounds as assigned; mows, plants, cultivates, prunes, sprays, fertilizes, and irrigates flowers, trees, grass, and shrubs; hoes and pulls weeds and rakes leaves; edges walkways; sweeps, picks up and disposes of cuttings, branches, leaves, and other debris following assigned tasks such as tree removal.
4. Ensures and maintains the healthy growth and attractiveness of diverse plant material by cultural practice; establishes and maintains flower beds and care for ornamental plants, annual and perennial flowers, shrubs, trees, and campus grass and artificial turf.

5. Uses professional pruning techniques (pinch, thin, hedge) to appropriately shape or form vegetation for healthy growth and aesthetics.
6. Assesses and reports the irrigation needs of the plants, trees, shrubs, and landscape to assist in healthy growth and performs minor irrigation repairs.
7. Properly assesses site conditions, pest problems, and applies the appropriate treatment for pest control and insect problems, weed abatement, fungi, growth regulators, and other hazards damaging to vegetation in accordance with all applicable requirements.
8. Transports sand, dirt, fertilizer, fuel, pesticides, tools, equipment, and other materials to and from various sites as directed; spreads fertilizer, sand, soil, mulch, and other materials utilizing appropriate equipment.
9. Inspects equipment for safety before and after each use, performs minor preventive maintenance and minor repairs on grounds equipment; checks fluids and ensures proper lubrication of equipment; defers regular maintenance and repairs to the mechanics.
10. Performs a variety of duties in the removal of litter and trash from landscape and hardscape areas, blowing, sweeping, pressure washing, power spraying, steam cleaning, and general debris removal of all exterior hardscape areas; performs routine and event-based solid waste and recyclables collection and disposal work.
11. Estimates amounts of materials and labor; provides recommendations regarding needed parts and supplies.
12. Maintains work and material records and/or logs.
13. Observes safe work methods and makes appropriate use of related safety equipment as required including, but not limited to, safety set-up on street, roadside, and parking lots and campus of delineators, cones, flags, and signs for high traffic and hazards.
14. Maintains work areas in a clean and orderly condition, including securing equipment at the close of the workday.
15. Provides needed information and demonstrations concerning how to perform certain work tasks.
16. Supports and complies with federal and state laws, Board Policies, and Administrative Procedures.
17. Provides quality customer service when interacting with the public, vendors, students, and College staff, including individuals from minoritized groups.
18. Participates on committees, task forces, and special assignments, including, but not limited to Screening and Selection Committees and affiliated mandated trainings, as required. Prepares and delivers oral presentations related to assigned areas if needed.
19. Works directly with people from various ages, disabilities, socio-economic levels and ethnic groups.
20. Maintains regular attendance.
21. Performs other related duties as assigned.

QUALIFICATIONS

Knowledge of:

1. Principles, practices, methods, equipment, materials, and tools used in grounds and sports turf maintenance.
2. Methods and techniques for cultivating, fertilizing, watering, and spraying of flowers, trees, and shrubs.
3. Safe operation and routine maintenance of grounds tools and other equipment.
4. Proper use and applications of a variety of pesticides, herbicides, fungicides, growth regulators, and fertilizers.
5. Applicable federal, state, and local laws, regulatory codes, ordinances, and procedures relevant to assigned area of responsibility.
6. Occupational hazards and safety equipment and practices related to the work.
7. Standard office practices and procedures, including the use of standard office equipment, basic record-keeping, and arithmetic.
8. Two-way radio usage and etiquette.
9. Basic tree identification, tree function, structure, growth patterns, and tree removal techniques.
10. Safety Data Sheet (SDS) sheets and labels.
11. Operating and safety rules, precautions, and principles of driving and operating electric and gas-powered equipment and transportation vehicles.
12. Safe work practices, including safe driving rules and practices.
13. Techniques for providing a high level of customer service by effectively interacting with the public, vendors, students, and College staff, including individuals of various ages, disabilities, socio-economic levels and ethnic groups.

Skills & Abilities to:

1. Train others in proper and safe work procedures.
2. Skillfully and safely operate a variety of power and various hand tools, utility vehicles, light and heavy equipment, and other equipment used in grounds and sports turf maintenance.
3. Troubleshoot minor maintenance problems and determine materials and supplies required for repairs and projects.
4. Interpret, apply, explain, and ensure compliance with applicable federal, state, and local policies, procedures, laws, and regulations.
5. Understand and follow written and verbal directions, instructions and safety rules and procedures.
6. Operate modern office equipment including computer equipment and software programs.
7. Learn and apply emerging technologies and, as necessary, to perform duties in an efficient, organized, and timely manner.
8. Make accurate arithmetic calculations.
9. Communicate effectively through various methods.
10. Safely operate and maintain a variety of assigned College equipment and vehicles.
11. Organize own work, set priorities, and meet critical time deadlines.

12. Understand scope of authority in making independent decisions.
13. Review situations accurately and determine appropriate course of action using judgment according to established policies and procedures.
14. Establish, maintain, and foster positive and effective working relationships with those contacted in the course of work.

Education and Experience:

1. Equivalent to the completion of the twelfth (12th) grade; and
2. Two (2) full-time equivalent years of experience performing grounds maintenance using heavy equipment, athletics/fields preparation.

Licenses, Certifications, and Requirements:

1. Possession of, and ability to maintain, a valid California driver's license.
2. Possession of, and ability to maintain, valid proof of automobile insurance.
3. Successful candidate(s) will be required to take and pass a physical exam.
4. Possession of, or ability to obtain within six months of employment, AI Automation/Robotics training.
5. Possession of, or ability to obtain within six months of employment, forklift certification.

Preferred Qualifications:

1. Qualified Applicator Certificate (QAC) or Qualified Applicator License (QAL).
2. Basic arborist training.
3. American Green Zone Alliance Certification (AGZA).
4. Annual grounds pesticide training certificate of completion.

PHYSICAL DEMANDS

Must possess mobility to work in the field as well as around various College facilities, to operate a motor vehicle and drive on surface streets; strength, stamina and mobility to perform medium to heavy physical work, operate varied hand and power tools and construction equipment; vision to read printed materials and a computer screen; and hearing and speech to communicate in person and over the telephone or radio. The job involves fieldwork requiring frequent walking at landscape site areas to identify problems or hazards. Finger dexterity is needed to access, enter and retrieve data using a computer keyboard or calculator and to operate above-mentioned tools and equipment. Positions in this classification bend, stoop, kneel, reach, and climb to perform work and inspect work sites; lift, move, and carry materials and equipment weighing up to 50 pounds, and heavier weights with the use of proper equipment.

ENVIRONMENTAL ELEMENTS

Incumbents work in the field and/or facilities, including parking lots, traffic medians, and other areas in or near vehicle and pedestrian traffic. Incumbents are occasionally exposed to loud noise levels, cold and hot temperatures, inclement weather conditions, road hazards, vibration, confining workspace, chemicals, mechanical and/or electrical

hazards, and hazardous physical substances and fumes. Incumbents may interact with staff and/or public and private representatives, and contractors in interpreting and enforcing departmental policies and procedures.

Amended: 10/2024