



## JOB INFORMATION

Job Code:	180251
Job Title:	Engineer Module B
FLSA Status:	Non-Exempt
Supervisory:	Trains journeymen and other employees on specific skills and tasks as required.
Job Family:	Trades/Maintenance
Job Family Group:	Facilities Management and Construction
Management Level:	7 Individual Contributor

## JOB SUMMARY

Performs standard engineering procedures for all boilers and related equipment on heating and ventilation systems. Determines need to repair and/or replace equipment. Estimates materials required for specific job components. Participates in the Engineer Pay for Knowledge and Skills Program including on-the-job training. Performs all appropriate module tasks and demonstrates proficiency as outlined in the Engineer Pay for Skills section, independently or as part of a team, as assigned by the supervisor. May perform tasks in higher-level modules. Trains journeymen and other employees specific skills and tasks as required.

## JOB QUALIFICATIONS:

### Education

Req	Pref	Degree	Field of Study	And
X		High school or equivalent		
X		Apprenticeship Program (4 year - Completion)		
	X	Related undergraduate study		

### Additional Education

**Check here if experience may substitute for some of the above education.**

Combined experience/education as substitute for minimum education

### Work Experience

Req	Pref	Work Experience	Experience Level
X		4 years	

### Additional Work Experience

**Check here if education may substitute for some of the above work experience.**

Combined experience/education as substitute for minimum work experience

### Knowledge, Skills and Abilities

Req	Pref	Functional Skills
X		Four years experience as a trade-related trainee may substitute for completion of a four year apprenticeship program.
X		Additional four years minimum experience must be as a journeyman.

## Knowledge, Skills and Abilities

Req	Pref	Functional Skills
X		Experience performing standard trade-related procedures.
X		General knowledge of trade-related methods, materials, tools, and equipment.
X		Familiar with city and state building codes, OSHA rules and regulations, standard safety practices and equipment, and other requirements for workplace safety.
X		500 (HP) License (HSC Engineers).

## Other Job Factors

## JOB ACCOUNTABILITIES

	% Time	Essential	Marginal	N/A
Repairs, replaces and adjusts pumps, fans, motors, steam valves, heat exchangers, mechanical seals, and building stationary equipment. Works from blueprints, specifications and schematic diagrams.				
Inspects exhaust fans and motors, chemical fume hoods, sump pumps, sewage ejectors, air compressors, condensate pumps, circulating pumps, cooling water system, furnaces, heat exchangers and reverse osmosis units (distilled water system).				
Performs routine safety check on boilers, heating furnaces and all heating and ventilating equipment.				
Monitors and maintains emergency generators, fountains, water softeners and swimming pool equipment. Conducts analysis of water system (boiler water, condensate water, cooling water, soft water system, heating and hot water system, lab equipment and city water) and adjusts chemical levels as required.				
Identifies and resolves operational and safety problems pertaining to heating and ventilating system.				
Installs equipment and fabricates components for system and equipment. Estimates materials required for specific job components.				
Maintains clean job site throughout duration and cleans up job site following work completion. Maintains safe working conditions for self and others. Stores and maintains supplies, tools and equipment.				
Trains other journeymen, Zone Maintenance Technicians, or other employees specific skills and tasks, as required.				
Prepares reports and/or maintenance records, as needed. Responds to on-call emergencies.				

## Other Requirements

Essential:	Emergency Response/Recovery	Essential:	Mandated Reporter
	In the event of an emergency, the employee holding this position is required to "report to duty" in accordance with the university's Emergency Operations Plan and/or the employee's department's emergency response and/or recovery plans. Familiarity with those plans and regular training to implement those plans is required. During or immediately following an emergency, the employee will be notified to assist in the emergency response efforts, and mobilize other staff members if needed.		A mandated reporter who in his or her professional capacity has knowledge of, or reasonably suspects a person who is under the age of 18 years, elderly, or a dependent adult has been the victim of abuse or neglect must report the suspected incident. The reporter must contact a designated agency immediately or as soon as practically possible by telephone or in writing within 36 hours. By virtue of the associated job duties, this position qualifies as a mandated reporter as required by state law and USC's policy at: <a href="https://policy.usc.edu/mandated-reporters/">https://policy.usc.edu/mandated-reporters/</a>
Campus Security Authority (CSA)			Essential:
By virtue of the associated job duties, this position qualifies as a Campus Security Authority as required by law and USC's policy at: <a href="https://dps.usc.edu/alerts/clery/">https://dps.usc.edu/alerts/clery/</a>			No

## ACKNOWLEDGMENTS

The above statements reflect the essential and non-essential functions as necessary to describe the principle contents of the job. They are not intended to be a complete statement of all work requirements or duties that may be required of the position. I understand that I may be asked to perform other duties as assigned. USC reserves the right to add or change duties at any time.

The University of Southern California is an Equal Opportunity Employer. USC prohibits discrimination on any basis protected under federal, state, or local law, regulation, or ordinance or university policies. All employment decisions are based on individual qualifications and business need.

I acknowledge receipt of this job description and its associated physical requirements. I have read and understand the job description and job requirements and agree to abide by their contents. I realize that duties may be requested of me that are not specifically stated herein. I understand that I will be expected to adjust to potential fluctuations in work volume. I understand that, if I have any questions about the essential functions or expectations of my position, my supervisor and/or HR partner are available to discuss them with me.

\_\_\_\_\_  
Print Employee Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Print Manager Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

This job description describes the general nature and level of work required by the position. It is not intended to be an all-inclusive list of qualifications, skills, duties, responsibilities or working conditions of the job. The job description is subject to change with or without notice, and Management reserves the right to add, modify or remove any qualification or duty. Nothing in this job description changes the existing at-will employment relationship between the university and the employee occupying the position.