

Job Level	Professional Mechanical Engineer	Professional Level II
Oversight Received	<ul style="list-style-type: none"> * This position is to provide professional mechanical engineering assistance in the design of commercial buildings. This position works under the direct supervision of the Engineering Supervisor but will work with architects, engineers, project managers and trades in the Department. 	<ul style="list-style-type: none"> ▪ Limited supervision through review of work product ▪ Periodic monitoring of work
Problem Solving	<ul style="list-style-type: none"> * Evaluate building mechanical energy problems, develop reports and make recommendations to correct problems. Install mechanical or plumbing test equipment to monitor the mechanical or plumbing system to determine what the problems are. Interpret the results of the tests, and make recommendations to correct the problems. * Create as needed and revise existing mechanical and plumbing diagrams. * Create and revise mechanical and plumbing drawings using mechanical analysis software. * By using the mechanical software model, run the analysis part of the software to develop reports. * Assist with review and update mechanical standards of construction methods for both the utilities and buildings routinely. 	<ul style="list-style-type: none"> ▪ Applies concepts to resolve a variety of problems ▪ Discretion to determine a course of action with review
Interaction/ Communication	<ul style="list-style-type: none"> * Will work with architects, engineers, project managers and trades in the Department. 	<ul style="list-style-type: none"> ▪ Communicates to a broad audience that may be outside of occupational discipline
University Impact	<ul style="list-style-type: none"> * Provide mechanical design as required to support building remodeling and mechanical system changes, maintenance and expansion. 	<ul style="list-style-type: none"> ▪ Working knowledge of University policies and systems ▪ Impact is on work team or department
Typical Education	<ul style="list-style-type: none"> * Bachelor of Science in Mechanical Engineering which must have been obtained from an ABET (Accreditation Board for Engineering and Technology), Engineering program. * Registered as a Mechanical Engineering Professional. If not in Colorado, must get license in Colorado within one year. * 4-6 years of building mechanical design experience. 	<ul style="list-style-type: none"> ▪ Bachelor's degree