



**EXAMINATION OPEN TO THE PUBLIC
DESIGN ENGINEER 2 (MECHANICAL)**

ANNUAL \$54,624
SALARY: \$78,884

SALARY
GROUP: ES 22a

APPLICATION CLOSING
DATE: JULY 31, 2015

EXAM
NO: 150660OCMC

SPECIAL APPLICATION AND EXAMINATION INSTRUCTIONS APPEAR BELOW

REVISED WITH EXTENDED CLOSING DATE AND SCORING DATE.

PURPOSE OF CLASS: In a state agency this class is accountable for independently performing a full range of tasks involving executing detail design work and assisting in the review of plans and specifications.

MINIMUM QUALIFICATIONS REQUIRED

IN ORDER TO BE CONSIDERED FOR ADMITTANCE INTO THIS EXAMINATION, YOU MUST INDICATE ON YOUR APPLICATION THAT YOU HAVE THE FOLLOWING EXPERIENCE AND TRAINING BY **JULY 31, 2015**.

GENERAL EXPERIENCE: Six years of experience in mechanical engineering.

SPECIAL EXPERIENCE: Two years of the General Experience must have been in engineering design on large scale building projects. [Note: Large scale building projects will be interpreted as buildings exceeding 12,000 square feet in size and more than one story in height not including apartment buildings and single family residences.]

SUBSTITUTION ALLOWED: College training in engineering may be substituted for the General Experience on the basis of fifteen semester hours equaling one-half year of experience to a maximum of four years for a Bachelor's degree.

SPECIAL REQUIREMENTS: (1) Incumbents in this class may be required to travel. (2) Incumbents in this class may be required to possess and retain a valid Motor Vehicle Operator's license.

WORKING CONDITIONS: Incumbents in this class may be exposed to some risk of personal injury or physical harm from construction site environments and some discomfort from year round weather conditions.

KNOWLEDGE, SKILLS AND ABILITIES: Considerable knowledge of principles and practices of engineering design; knowledge of mechanical engineering aspects of building construction including materials; interpersonal skills; oral and written communication skills; ability in engineering design of large buildings; ability to utilize computer software.

THE EXAMINATION WILL BE COMPOSED OF:

PART	WEIGHT
EXPERIENCE AND TRAINING	100%

APPLICATION/EXAMINATION PROCEDURE

- APPLICANTS MUST SUBMIT:**
- (1) **Completed Application Form (CT-HR-12)**
 - (2) **Supplemental Examination Materials (see instructions below)**

In order to be considered for admittance into this examination, you must complete all parts of the examination application (CT-HR-12) detailing how you meet the minimum experience and training requirements stated above AND complete the required examination materials as detailed below. Applicants who do not submit the required application and supplemental examination materials by the closing date will not be admitted into the examination and will not have the right to appeal this decision. Resumes and/or vitas will not substitute for the required application form or for the required examination materials.

EXAMINATION INSTRUCTIONS: Section 1. For each job (maximum of three) which you feel has best prepared you for the job of Design Engineer 2 (Mechanical) include a 1-2 page (typed or printed) description detailing your duties and responsibilities. (Applicants serving provisionally or temporarily in the title of Design Engineer 2 (Mechanical) cannot include this as one of the three jobs.) Each job description should begin on a separate page and begin with your job title, company name and location, dates of employment, and number of hours worked per week. This should be followed by a description of your duties and responsibilities organized and formatted around the numbered items that follow. (1) Experience preparing analyses and designs for building construction, HVAC and other mechanical engineering projects. Indicate your experience preparing engineering plans and specifications involving detail design work, including the size and type of building project. (2) Experience working with outside engineers, Building Plan Reviewers and Construction Supervisors regarding engineering problems, review and evaluation of design drawings, specifications and cost estimates. Indicate your experience performing field design verification to ensure conformance with design. (3) Experience preparing and interpreting written reports, correspondence, technical specifications or other informational materials. Be specific as to the nature and purpose of these materials and for whom they were written. (4) Experience and knowledge of building codes related to building mechanical systems, as well as experience in the design and/or evaluation of these systems. **Section 2.** On a separate page, include a list of degrees, certifications, licenses and courses that you have completed which have prepared you for the job. **Important Notes:** (1) **Make certain both your application form and your examination materials are complete and separate documents not referencing the other, as your application form and supplemental examination materials may be separated during the scoring process.** (2) Examination materials should be clearly marked as such and each page should contain the examination title, exam number and your social security number (do not include your name). (3) Do not include materials other than those requested above. (4) **Your examination will only be scored if you meet the minimum experience and training requirements outlined above and your CT-HR-12 and supplemental examination materials are date stamped by DAS/Human Resources or postmarked by July 31, 2015.** (5) Mail applications/examination materials to DAS/Human Resources, Room 404, State Office Building, 165 Capitol Avenue, Hartford, Connecticut 06106-1658 (**Secure Fax #860-622-2875**). **If faxing materials, keep a copy of your completed application form, exam materials and the fax transmittal receipt for your records. Make certain that your application form and exam materials are complete and transmitted correctly and without error. Incomplete faxes or faxes received blank because pages were faxed upside down will not be accepted.** (6) Due to the large number of applications received, we cannot confirm receipt of applications. (7) **Examination scores will be mailed by September 22, 2015.** (8) **A separate application/examination package must be submitted for each exam you are applying for.**

NOTE: Applicants who previously applied to examination number 150660OCMC, do not need to reapply.

FORMS: Application forms (CT-HR-12) and exam announcements are available from the Department of Administrative Services (<http://.das.ct.gov/employment>) or at the Offices of the Connecticut State Job Centers.

AN AFFIRMATIVE ACTION/EQUAL OPPORTUNITY EMPLOYER

The State of Connecticut is an equal opportunity/affirmative action employer and strongly encourages the applications of women, minorities, persons with disabilities and military veterans.