



EXAMINATION OPEN TO THE PUBLIC

DESIGN ENGINEER 2 (ELECTRICAL)

ANNUAL \$51,488 SALARY APPLICATION CLOSING EXAM  
SALARY: \$71,065 GROUP: ES 22 DATE: OCTOBER 25, 2012 NO: 1217300CDM

SPECIAL APPLICATION AND EXAMINATION INSTRUCTIONS APPEAR BELOW

**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 THIS EXAMINATION, YOU MUST INDICATE ON YOUR APPLICATION THAT YOU HAVE THE FOLLOWING EXPERIENCE AND TRAINING BY **OCTOBER 25, 2012:**

**GENERAL EXPERIENCE:** Six years of experience in electrical construction engineering.

**SPECIAL EXPERIENCE:** Two years of the General Experience must have been in the design of complex electrical projects.

**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 REQUIREMENT:** Incumbents in this class may be required to travel.

**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 electrical engineering design; knowledge of electrical engineering aspects of highway illumination, interior illumination, and power distribution; knowledge of electrical engineering aspects of highway and building construction including materials; interpersonal skills; oral and written communication skills; ability in engineering design of large electrical projects.

**THE EXAMINATION WILL BE COMPOSED OF:**

	<u>PART</u>	<u>WEIGHT</u>
	<b>EXPERIENCE AND TRAINING</b>	<b>100%</b>

**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 (Electrical), 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 (Electrical) 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 electrical engineering projects. Include your experience with building projects as well as with highway illumination and traffic signal and control device projects. Indicate your experience preparing engineering plans and specifications involving detail design work, including the size and type of project. (2) Experience working with Engineers, Building Plan Reviewers and Construction Supervisors regarding engineering problems, review and evaluation of design drawings, specifications and cost estimates. (3) Education and Training: include a list of degrees, certifications, licenses and courses that you have completed which have prepared you for the job. **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 October 25, 2012.** (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 make certain that your application form is complete and transmitted correctly and without error. Keep a copy of your completed application/examination package and the fax transmittal receipt for your records. 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 December 10, 2012.** (8) **A separate application/examination package must be submitted for each exam you are applying for.**

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

**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.