

Iowa Department of Administrative Services – Human Resources Enterprise
Classification Series Guidelines

Design & Construction Engineer Series

Classes in the Series

<u>Class Code</u>	<u>Class Title</u>
04255	Design & Construction Engineer Associate
04256	Design & Construction Engineer 1
04257	Design & Construction Engineer 2

Series Concept

Primary duties and responsibilities of this series involve professional engineering/architectural work involving the planning, design, construction, renovation, inspection, and technical oversight of buildings, utilities, earthwork, and related facilities. Duties include inspecting existing facilities and related mechanical or electrical systems and equipment (including but not limited to sewer systems, heating plants, and water treatment operations) and preparing recommendations for repairs and improvements; preparing or reviewing designs and specifications for new facilities; and inspecting sites before, during, and upon completion of construction. Designated positions in this series may require licensure as a professional engineer or architect.

Note: The Design & Construction Engineer 1 and 2 are considered program management classes. Therefore, performance of any lead work duties would be included in their regular compensation.

Exclusions

The following are excluded from classification within this series:

1. Positions that perform specialized engineering duties (i.e., Environmental Engineers, Transportation Engineers, etc.).
2. Positions that perform engineering technician/paraprofessional work.
3. Positions with a responsibility limited to management of ongoing facilities maintenance.

Class Distinctions

Design & Construction Engineer Associate

This is the developmental level of the series, where position incumbents work under the direction of a licensed professional engineer or architect and learn established engineering/architectural procedures, practices, standards, and methods of operation. Position incumbents are often recent engineering college graduates whose professional requirements necessitate them to work under the direction of a licensed engineer/architect for a minimum period of time before being eligible for licensing, themselves.

Design & Construction Engineer 1

This is the experienced level of the series where position incumbents perform all technical engineering/architectural duties in the planning, design, construction, renovation, inspection, and technical oversight of various state-operated facilities. Position incumbents perform professional engineering/architectural assignments of moderate to considerable complexity, within operational policies/guidelines established by the agency, while receiving limited supervision and oversight.

Design & Construction Engineer Series

Design & Construction Engineer 2

At this level, position incumbents are responsible for the management of all or a major segment of an agency's facilities (buildings, utilities, earthwork, etc.) planning, design, construction, renovation, inspection, and technical oversight programs. They may serve as the primary liaison between the State and other parties involved in construction projects. Incumbents perform traditional program management duties (e.g., planning, budgeting, policy development, program evaluation, etc.) in addition to technical engineering duties, and may oversee construction managers, contractors, and/or lower-level technical staff.

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