

**ENGINEER I
(Group of Active Classes)**

ARCHITECTURAL ENGINEER I	51032
CIVIL ENGINEER I	51034
ELECTRICAL ENGINEER I	51035
ENERGY SYSTEMS ENGINEER	51036
MECHANICAL ENGINEER I	51037

Definition

Performs responsible, professional field and office planning and technical work in an engineering specialty; performs design, construction, maintenance, installation or communication design duties; assists more senior-level engineers; and performs related duties as required or assigned.

Typical Tasks (illustrative only)

Provides planning, engineering, and management support for projects requiring engineering solutions within the office or section to which assigned; performs design, construction, maintenance, installation or communications design duties; develops system concepts, designs, specifications, scheduling, and cost estimates; assists with project planning and the preparation of related budgets; interacts with consulting engineers, contractors, vendors, and Fairfax County Public School (FCPS) staff; inspects work during installation, modification, and maintenance stages; performs engineering tasks within specialty; writes reports; and attends meetings and conferences, as required or assigned.

Supervision Received/Given

Receives general supervision from an engineer II, manager, coordinator, or director. May supervise lower-graded employees, as assigned. May provide guidance and assistance to full-, part-time, and/or hourly employees, as required.

Education/Experience/Skills

Any combination of education and experience equivalent to a bachelor's degree in the appropriate engineering field, plus two years of progressively more responsible professional experience in the appropriate engineering field. Good knowledge of theory, practices, materials, and equipment of the engineering field to which assigned; good knowledge of engineering design, maintenance, and inspection techniques; ability to perform engineering tasks within field of specialization; ability to formulate life-cycle projections; skill in writing reports, specifications, and contract documents; and ability to communicate effectively, both orally and in writing.



Revised: June 2005