Electrical Apprenticeship (ELAP)

Courses

ELAP 0100 Electrical Internship Year 1: 10 semester hours.
First year (2,000 hours) of documented on-the-job work experience. The student
must be working under the supervision of a journeyman electrician and these
hours must be documented through the Electrical Division, Idaho Department of
Labor and Industrial Services. D

ELAP 0101 Electrical Theory Year 1: 3 semester hours.
Theory and instruction in orientation to the electrical trade, safety, basic math,
electrical DC theory through combined circuits, introduction to the National
Electric Code, and general wiring methods. D

ELAP 0150 Electrical Internship Year 2: 10 semester hours.
Second year (2,000) hours of documented on-the-job work experience. The
student must be working under the supervision of a journeyman electrician
and these hours must be documented through the Electrical Division, Idaho
Department of Labor and Industrial Services. D

ELAP 0151 Electrical Theory Year 2: 3 semester hours.
Theory and instruction in safety, electrical AC theory through R.L.C., advanced
math, motors/generators basics, transformer basics, overcurrent protection, and
grounding. D

ELAP 0200 Electrical Internship Year 3: 10 semester hours.
Third year (2,000 hours) of documented on-the-job work experience. The student
must be working under the supervision of a journeyman electrician and these
hours must be documented through the Electrical Division, Idaho Department of
Labor and Industrial Services. D

ELAP 0201 Electrical Theory Year 3: 3 semester hours.
Theory and instruction in safety, blueprint reading, motor control bases, advanced
grounding, advanced transformers/motors/generators, and special occupancy and
wiring methods. D

ELAP 0250 Electrical Internship Year 4: 10 semester hours.
Fourth year (2,000 hours) of documented on-the-job work experience. The
student must be working under the supervision of a journeyman electrician
and these hours must be documented through the Electrical Division, Idaho
Department of Labor and Industrial Services. D

ELAP 0251 Electrical Theory Year 4: 3 semester hours.
Theory and instruction in safety, advanced motor controls, load calculations,
leadership skills, high voltage, and National Electrical Code review. D