Apprenticeships

Associate of Applied Science Degree: Electrical Apprenticeship

This Associate of Applied Science degree is designed for the student who has a current Idaho journeyman license, has proof of completed apprenticeship, and proof of registration with Idaho Department of Labor and Industrial Services.

Federal Financial Aid is not applicable to this program.

Once the Electrical Apprenticeship student completes required hours in the apprenticeship program, has been verified by Workforce Training, and has completed the General Education requirements for the AAS degree as outlined on the College of Technology page (http://coursecat.isu.edu/previouscatalogs/2018-19/undergraduate/technology) in the Undergraduate Catalog, the following Electrical Apprenticeship credits will be posted to the ISU transcript upon payment of a credit recording fee of $15 per credit (see Expenses in the General Information section of the ISU Undergraduate Catalog).

Associate of Applied Science Degree: Plumbing Apprenticeship

This Associate of Applied Science degree is designed for the student who has a current Idaho plumber's license, proof of completed plumbing apprenticeship, and proof of registration with the Plumbing Division, Idaho Department of Labor and Industrial Services.

Once the Plumbing Apprenticeship student completes required hours in the apprenticeship program, has been verified by Workforce Training, and has completed the General Education requirements for the AAS degree as outlined on the College of Technology page (http://coursecat.isu.edu/previouscatalogs/2018-19/undergraduate/technology) in the Undergraduate Catalog, the following Plumbing Apprenticeship credits will be posted to the ISU transcript upon payment of a credit recording fee of $15 per credit (see Expenses in the General Information section of the ISU Undergraduate Catalog).

Faculty

Director
Salazar

Assistant Director
Hintze

Associate of Applied Science Degree: Electrical Apprenticeship

Required Courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ELAP 0100</td>
<td>Electrical Internship Year 1</td>
<td>10</td>
</tr>
<tr>
<td>ELAP 0101</td>
<td>Electrical Theory Year 1</td>
<td>3</td>
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<tr>
<td>ELAP 0150</td>
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<tr>
<td>ELAP 0251</td>
<td>Electrical Theory Year 4</td>
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</tbody>
</table>

General Education courses: 15
Total Credits: 67

1 See General Education Requirements (minimum 15 credits) for A.A.S. Degree at the start of the College of Technology section of the catalog.

Associate of Applied Science Degree: Plumbing Apprenticeship

Required Courses:

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General Education courses: 15
Total Credits: 67

1 See General Education Requirements (http://coursecat.isu.edu/previouscatalogs/2018-19/undergraduate/technology) (minimum 15 credits) for AAS degree at the start of the College of Technology section of the catalog.

Electrical Apprenticeship 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

**Plumbing Apprenticeship Courses**

**PLAP 0100 Plumbing Internship Year 1: 10 semester hours.**
This course covers the first year (2,000 hours) of documented on-the-job work experience. The student must be working under the supervision of a journeyman plumber and these hours must be documented through the Plumbing Division, Idaho Department of Labor and Industrial Services. D

**PLAP 0101 Plumbing Theory Year 1: 3 semester hours.**
This course provides theory and instruction in orientation to the plumbing trade, safety, math, hand tools, blueprints, rigging, fittings and piping systems. D

**PLAP 0150 Plumbing Internship Year 2: 10 semester hours.**
This course covers the second year (2,000 hours) of documented on-the-job work experience. The student must be working under the supervision of a journeyman plumber and these hours must be documented through the Plumbing Division, Idaho Department of Labor and Industrial Services. D

**PLAP 0151 Plumbing Theory Year 2: 3 semester hours.**
This course provides theory and instruction in drawings, math, installation, joining, connecting, testing, faucets, valves, water heaters and meters, and fixtures. D

**PLAP 0200 Plumbing Internship Year 3: 10 semester hours.**
This course covers the third year (2,000 hours) of documented on-the-job work experience. The student must be working under the supervision of a journeyman plumber and these hours must be documented through the Plumbing Division, Idaho Department of Labor and Industrial Services. D

**PLAP 0201 Plumbing Theory Year 3: 3 semester hours.**
This course provides theory and instruction in commercial drawings, plumbing codes, math, vents, sewer and sewage, backflow, handling water (filtering, softening, cleaning, disinfecting, installing, etc.) fixtures, solar heating systems, and natural gas systems. D

**PLAP 0250 Plumbing Internship Year 4: 10 semester hours.**
This course covers the fourth year (2,000 hours) of documented on-the-job work experience. The student must be working under the supervision of a journeyman plumber and these hours must be documented through the Plumbing Division, Idaho Department of Labor and Industrial Services. D

**PLAP 0251 Plumbing Theory Year 4: 3 semester hours.**
This course provides theory and instruction in plumbing theory, drainage, vents, waste, water supplies, swimming pools, hot tubs, compressed air piping systems, medical gas systems, mobile homes, and private waste disposal and water supply systems. D