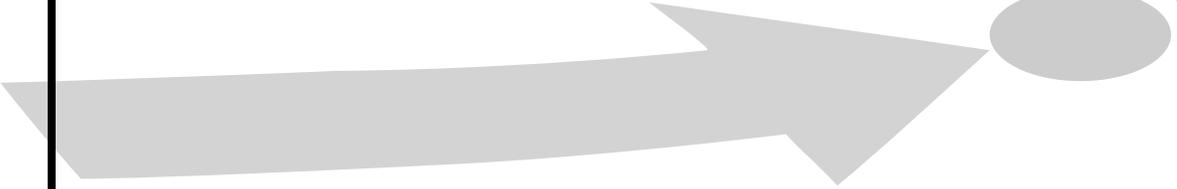




# Career Paths for Industrial Construction



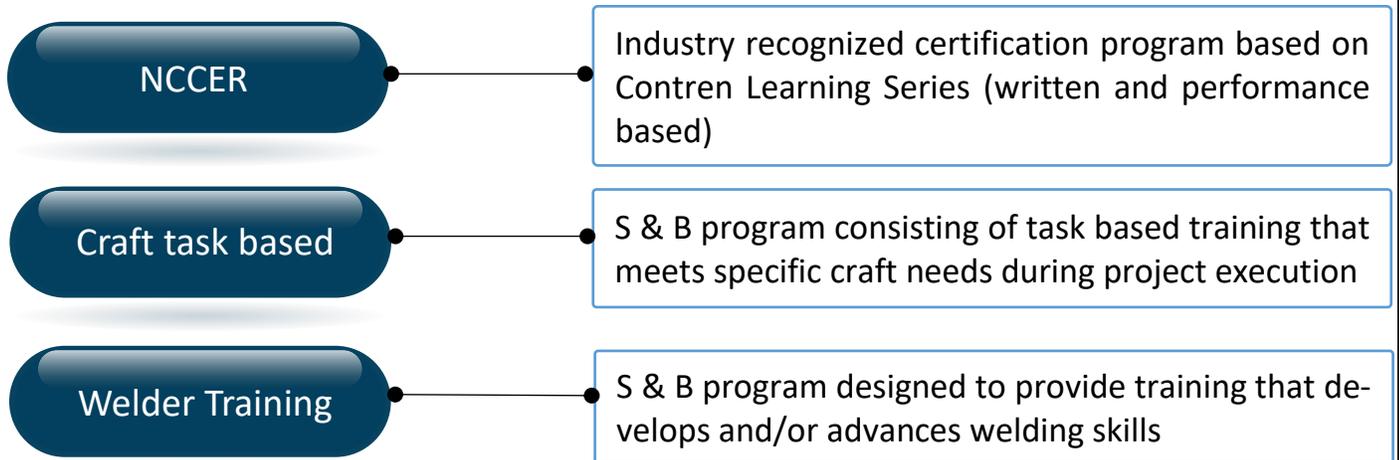


Industrial construction work is performed in a variety of facilities including refineries, petrochemical, modular, power plants, and pulp/paper.

Inexperienced individuals will begin their career path at the helper level and have the opportunity to progress to journeyman, foreman, general foreman, and construction management. Our programs allow participants to develop essential skills needed for their chosen craft. The speed of advancement is largely dependent on the desire to learn.

S & B is a *National Center for Construction Education and Research* (NCCER) accredited organization, and our training programs are administered by certified master trainers.

Our courses are designed to allow the individual to choose the type of training that best fits their developmental needs and overall goals.

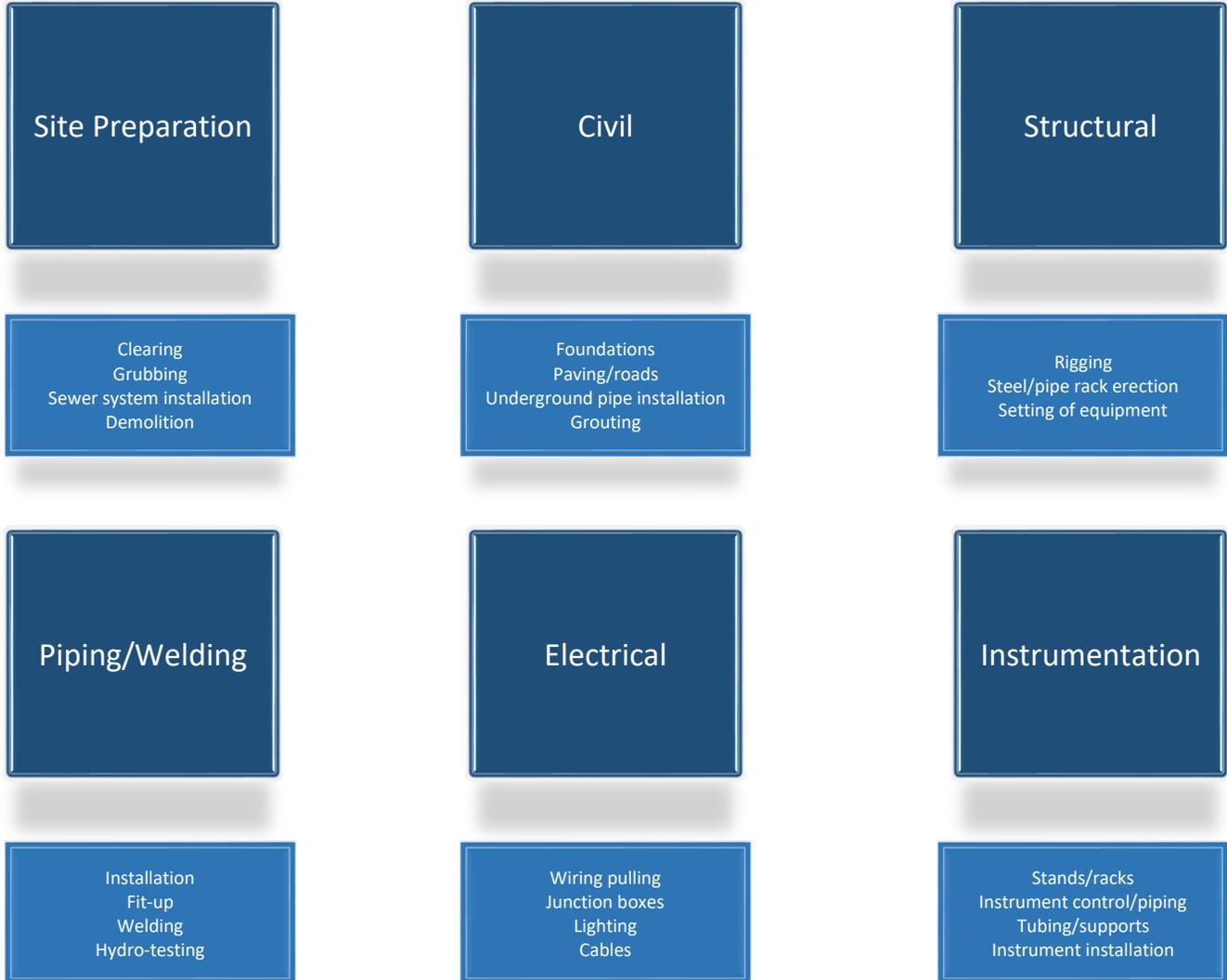


Other program attributes include:

- ① Formal classroom programs
- ② Modularized training for home study
- ③ Distance learning (for employees on projects where training has not yet started) enables the individual to request modules from S & B's library



There are many facets involved from initial contract award to attaining mechanical completion and turning over a facility to a client. A brief overview of crafts and some of the associated activities is shown below.





Other positions at the job site include, but are not limited to:

- ① Buyer
- ② Quality control/assurance
- ③ Project controls
- ④ Scheduler
- ⑤ Field administration
- ⑥ Document control
- ⑦ Timekeeper
- ⑧ Warehouse
- ⑨ Surveyor

Salary levels increase according to skill sets. Data shown is based on *average* rates that could potentially be earned.

***Craftsmen (including Certified Plus)***

\$28.00 – \$32.00

***Craft Helper***

\$16.00 – \$27.00

***Laborer***

\$16.00 – \$21.00

***Equipment Operator***

\$29.00 – \$36.00

***Welder (including rig/structural/pipe/combination/specialty)***

\$32.00 – \$51.00

***Warehouse***

\$18.00 – \$29.00

***Surveyor***

\$30.00 – \$35.00

***Instrument Technician (including Certified Plus)***

\$38.00 – \$42.00

***Timekeeper/Administrative Assistant/Accounting Clerk***

\$18.00 – \$24.00

***Foreman/General Foreman***

\$36.00 – \$46.00



A specialty program that is also offered by S & B is known as *New Employee Accelerated Training (N.E.A.T.)*. A brief outline of this course is presented below.

**12 week New Employee Accelerated Training (N.E.A.T.)**



**Phase I**

**Week 1:**

- ① Basic safety
- ② Hand/power tools
- ③ Pipefitting hand tools

**Week 2:**

- ① Tape measure reading
- ② Introduction to power tools
- ③ Pipefitting power tools

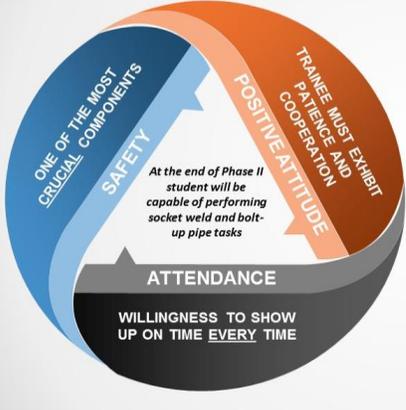
**Week 3:**

- ① Introduction to construction math
- ② Introduction to blueprints

**Week 4:**

- ① Threaded pipe fabrication
- ② Drawing/detail sheets

**12 week New Employee Accelerated Training (N.E.A.T.)**



**Phase II**

**Week 5:**

- ① Introduction to above ground piping
- ② Standards and specifications

**Week 6:**

- ① Field routing vessel trim
- ② Identification and installation of valves

**Week 7:**

- ① Rigging equipment/practices
- ② Oxy-fuel cutting

**Week 8:**

- ① Pipefitting trade mathematics
- ② Socket weld pipe fabrication

**12 week New Employee Accelerated Training (N.E.A.T.)**



**Phase III**

**Week 9:**

- ① Piping systems
- ② Pipe hangers/supports

**Week 10:**

- ① Advanced blueprint reading

**Week 11:**

- ① Butt weld pipe fabrication

**Week 12:**

- ① Testing piping systems
- ② Understanding test packages



A typical project site organizational chart is shown below.

