

STANDARDS OF APPRENTICESHIP  
Adopted by

**PACIFIC NW CARPENTERS JATC**

<u>Occupational Title:</u>	<u>SIC #</u>	<u>SOC #</u>	<u>SYMBOL</u>	<u>SUFFIX</u>	<u>Term</u>
<b>Millwright</b>	<b>1751</b>	<b>49-9044</b>	<b>0335</b>	<b>000</b>	<b>8,000 hours</b>

MA#: **1057**    SOC Title: **Millwrights**    License: **N/A**



APPROVED BY THE  
Oregon State Apprenticeship and Training Council (OSATC)

Registered with the

Apprenticeship and Training Division  
Oregon Bureau of Labor and Industries  
1800 SW 1<sup>st</sup> Avenue, Suite 500  
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Appendices A – H contain information specific to this program.

## Introduction – Apprenticeship Standards

The Oregon State Apprenticeship and Training Council (OSATC) has the authority, under the direction of the Apprenticeship and Training Division, to develop, administer, and enforce apprenticeship program standards (Standards) for the operation and success of an apprenticeship or on-the-job training program in the State of Oregon. Apprenticeship programs and committees function to administer, exercise or relinquish authority only with the consent of the OSATC. Only apprentices registered with or recognized by the Oregon Bureau of Labor and Industries (BOLI), Apprenticeship and Training Division (ATD) will be recognized by the OSATC. Parties' signatory to these apprenticeship standards declare that their purpose and policy is to establish and sponsor an organized system of registered apprenticeship and training education.

These Standards are in conformity with and are to be used in conjunction with the Apprenticeship Rules, Chapter 839-011 OAR (Oregon Administrative Rules); Apprenticeship and Training Statutes, Chapter 660 ORS (Oregon Revised Statute); The National Apprenticeship Act, 29 U.S.C. (United States Code) 50; Apprenticeship Programs, Title 29 Part 29 CFR (Code of Federal Regulations); and Equal Employment Opportunity in Apprenticeship and Training, Title 29 Part 30 CFR which collectively govern the employment and training in apprenticeable occupations. They are part of the apprenticeship agreement and bind all signers to compliance with all provisions of registered apprenticeship.

If approved by the OSATC, such amendment(s) and such changes as adopted by the OSATC shall be binding to all parties on the first day of the month following such approval. Sponsors shall notify apprentices and training agents of changes as they are adopted by the OSATC. If and when any part of these Standards becomes illegal, as it pertains to federal and/or state law, that part and that part alone will become inoperative and null and void, and the Oregon Bureau of Labor and Industries (BOLI) may recommend language that will conform to applicable law for adoption by the OSATC. The remainder of the Standards will remain in full force and effect.

See ORS Chapter 660.010 & OAR 839-011-0070 for the definitions of terms used within these Standards.

**Notes:** The body of this document contains boilerplate language that applies to all registered apprenticeship programs in the State of Oregon. Boilerplate language may only be modified by the Oregon State Apprenticeship and Training Council.

Appendices A-H are specific to the individual standard and may be modified by the sponsor by submitting a revised standard for approval by the Oregon State Apprenticeship and Training Council or by the Apprenticeship and Training Division (ATD) with concurrence from OSATC where permitted by ORS 660 and OAR 839-011.

1. **GEOGRAPHIC AREA COVERED:**

These standards establish the apprenticeable occupation to be taught and designate the geographical area or areas in which the standards will apply. (ORS 660.126) The Sponsor shall have a plan to ensure that participating employers will provide work in all areas covered by the program standards (OAR 839-011-0084). The Sponsor shall ensure compliance with the provisions for and of any Reciprocity Agreement recognized by the OSATC. (ORS 660.120 / OAR 839-011-0260)

**The geographic area covered by these standards are located in Appendix A: Geographical Area.** ([Ctrl + Click to follow link](#))

2. **MINIMUM QUALIFICATIONS:**

Minimum qualifications, including a minimum age of at least 16, must be clearly stated, comply with federal and state regulations, and be applied in a nondiscriminatory manner (ORS 660.126 (1b)). The Sponsor shall maintain documentation for all minimum qualifications for any apprentice who is registered.

**Minimum Qualifications for this standard are located in Appendix B: Minimum Qualifications.** ([Ctrl + Click to follow link](#))

3. **OREGON PLAN for EQUAL EMPLOYMENT OPPORTUNITY IN APPRENTICESHIP (OAR 839-011-0200) – PROGRAM OBLIGATIONS:**

Standards must include the Oregon Equal Employment Opportunity in Apprenticeship and Training Pledge as specified in the Oregon Plan for Equal Employment Opportunity in Registered Apprenticeship Programs (OPEEO) Section 3(h)(i).

EEO PLEDGE

**PACIFIC NW CARPENTERS JATC** shall not discriminate against apprenticeship applicants or apprentices based on race, color, religion, national origin, sex (including pregnancy and gender identity), sexual orientation, genetic information, or because they are an individual with a disability or a person 18 years old or older. **PACIFIC NW CARPENTERS JATC** shall take affirmative action to provide equal opportunity in apprenticeship and shall operate the apprenticeship program as required under these rules and Title 29 CFR, part 30.

Sponsors with five (5) or more apprentices must adopt an Equal Employment Opportunity Plan and Selection Procedures and submit the plan for OSATC approval. (OAR 839-011-0200 / OPEEO Sections 4 & 10).

A. EQUAL EMPLOYMENT OPPORTUNITY PLAN:

- i. A Sponsor's commitment to equal opportunity in recruitment, selection, employment and training of apprentices shall include the adoption of a written affirmative action plan. (OAR 839-011-0200 / OPEEO section 8). Each Sponsor required under OPEEO section 4 to

develop and maintain an EEO program must retain both the written EEO plan and documentation of its component elements set forth in OPEEO sections 5, 6, 7, 8, 9, and 11.

- ii. In addition, the sponsor will set forth the specific steps that it will take under this plan, review and update the specific steps that it will take to implement the plan at least yearly and submit the updated steps to the Apprenticeship and Training Division (ATD) for review and approval. (OPEEO section 8)
- iii. Numerical utilization goals for the selection of minorities, females, and individuals with disabilities for apprenticeship shall be submitted to ATD at least every three (3) years and prior to the date that any previous goals expire. (OPEEO sections 6 & 7).
- iv. The sponsor hereby adopts the following activities, at a minimum, in order to generate an increase in applications for apprenticeship and improve retention of apprentices from the targeted groups and/or individuals with disabilities:
  - a. RECRUITMENT
 

Advertising openings for apprenticeship opportunities using methods and in locations that result in applications from candidates from the underutilized groups.
  - b. OUTREACH
 

Dissemination of information to organizations serving underutilized groups regarding the nature of apprenticeship.

Cooperation with local school boards and career technical education systems to develop and/or establish relationships with pre-apprenticeship programs targeting students from the underutilized groups to prepare them to meet the standards and criteria required to qualify for entry into apprenticeship programs.

Establishment of formal agreements or partnerships enlisting the assistance and support of pre-apprenticeship programs, community-based organizations, advocacy organizations, or other appropriate organizations, in recruiting qualified individuals for apprenticeship.
  - c. RETENTION:
 

Practices to retain targeted populations and maintain working and learning environments which supports current apprentices to remain with the program.

#### B. SELECTION PROCEDURES:

Sponsors with five (5) or more apprentices must adopt a selection procedure and apply it uniformly to all applicants regardless of race, color, religion, national origin, sex, sexual orientation, age (18 or older), genetic information, and disability. (ORS 660.137 (3) / OPEEO section 10).

**Selection Procedures for this program are located in Appendix C: Selection Procedures.**  
[\(Ctrl + Click to follow link\)](#)

**C. DISCRIMINATION COMPLAINTS:**

- i. Any apprentice or applicant for apprenticeship who believes they have been discriminated against with regards to apprenticeship by the committee may file a complaint. (OAR 839-011-0200 / OPEEO Section 14)
- ii. The basis of the complaint may be:
  - a. Discrimination on the basis of race, sex, color, religion, national origin, age, disability or as otherwise specified by law by a sponsor or a sponsor's program
  - b. The equal employment opportunity plan has not been followed; or
  - c. The Sponsor's equal employment opportunity plan does not comply with the requirements of the Oregon Equal Employment Opportunity in Apprenticeship Plan.
- iii. Generally, a complaint must be filed within three hundred (300) days of the alleged discrimination or specified failure to follow the equal opportunity standards. However, for good cause shown, the Registration Agency may extend the filing time.
- iv. The written complaint must include the name, address and telephone number of the person allegedly discriminated against, the sponsor involved and a description of the circumstances of the complaint, a short description of the events that took place, and the complainant's signature.
- v. For complaints dealing with program operations see section 10 (Administrative Disciplinary Procedures) of this standard.

**4. TERM of APPRENTICESHIP:**

- A. The term of apprenticeship, which for an individual apprentice may be measured either through the completion of the industry standard for on-the-job learning (at least 2,000 hours in the time-based approach), the attainment of competency (competency-based approach), or a blend of the time-based and competency-based approaches (hybrid approach).
- B. The time-based approach measures skill acquisition through the individual apprentice's completion of at least 2,000 hours of on-the-job learning as described in a work process schedule.
  - i. The term of apprenticeship for a time-based approach must be stated in hours unless otherwise required by a collective bargaining agreement, civil service or other governing regulation. (ORS 660.126)
- C. The competency-based approach measures skill acquisition through the individual apprentice's successful demonstration of acquired skills and knowledge, as verified by the program sponsor. Programs utilizing this approach must still require apprentices to complete an on-the-job learning component of Registered Apprenticeship. The program standards must address how on-the-job

learning will be integrated into the program, describe competencies, and identify an appropriate means of testing and evaluation for such competencies.

- D. The hybrid approach measures the individual apprentice's skill acquisition through a combination of specified minimum number of hours of on-the-job learning and the successful demonstration of competency as described in a work process schedule. (Title 29 Part 29(5)(b)(2) CFR) OAR 839-011-0084(A)(B)(C))
- E. When the apprentice is granted advanced standing, the employer must pay the apprentice at the appropriate wage per the wage progression schedule specified in these standards or higher. (ORS 660.142)

NOTE: In licensed occupations the apprentice must complete the minimum hours of documented legal experience.

**The term of apprenticeship for this program is located in Appendix D: Term, Probationary Period, Ratio. ([Ctrl + Click to follow link](#))**

#### 5. **INITIAL PROBATIONARY PERIOD:**

- A. All apprentices are subject to an initial probationary period, stated in hours of employment, beginning on the effective date of the apprentice's current registration into the program. During this time, the apprentice's appeal rights are restricted, and the Sponsor may terminate an apprenticeship agreement without cause. (ORS 660.126 (1g))
- B. The initial probationary period must be reasonable in relationship to the full term of the apprenticeship unless otherwise required by Civil Service, Collective Bargaining Agreement (CBA) or law. It cannot exceed one year (12 months) or 25 percent of the length of the program, whichever is shorter. (ORS 660.126 (1g))
- C. During the initial probationary period either party to the agreement may terminate the apprenticeship agreement upon written notice to the Apprenticeship and Training Division of the Oregon Bureau of Labor and Industries. (ORS 660.126 (1g) & ORS 660.060 (6))
- D. Full appeal rights are available to apprentices who have completed the initial probationary period. After the probationary period the Sponsor may only suspend, cancel or terminate the apprenticeship agreement for good cause, with prior written notice to the apprentice, and with written notice to the apprentice and to the Apprenticeship and Training Division of the Bureau of Labor and Industries of the final action taken by the committee. (ORS 660.060 (6) & (7) and section 10 of this standard)

**The probationary period for this program is located in Appendix D: Term, Probationary Period, Ratio. ([Ctrl + Click to follow link](#))**

#### 6. **RATIO OF APPRENTICES TO JOURNEY LEVEL WORKERS**

- A. There shall be a maximum numeric ratio of apprentices to journey-level workers consistent with proper supervision, training, safety and continuity of employment. (ORS 660.126 (1f))

- B. The ratio shall be specifically and clearly stated as to its application to the job site, workforce, department, shift, plant or combination therein. (ORS 660.126 (1f))
- C. To ensure safety and training in all phases of the work, the Sponsor and its Training Agents shall ensure that apprentices are under the supervision of competent and qualified journey-level workers on the job who are responsible for the work being performed. (ORS 660.126 (1f), ORS 660.137 (5), OAR 839-011-0143)

**The ratio of apprentices to journey level workers for this program is located in Appendix D: Term, Probationary Period, Ratio. ([Ctrl + Click to follow link](#))**

#### **7. APPRENTICE WAGES and WAGE PROGRESSION:**

- A. The apprentice shall be paid according to a progressively increasing schedule of wage based on specified percentages of the average journey-level wage consistent with skills acquired. (ORS 660.126 (1h), OAR 839-011-0082(6a), OAR 839-011-0093, & OAR 839-011-0310)
- B. Wage progressions shall be indicated in hourly or monthly periods (the registration agency recommends the use of hour periods) set by the Sponsor. (ORS 660.126 (1h))
- C. The entry wage listed in this standard shall not be less than the federal or state minimum wage rate for the region covered by the geographical jurisdiction by that standard, whichever is higher. (ORS 660.142 (4))
- D. The wage listed in this standard at all periods establishes a minimum, but a higher wage shall be paid if it is required by other applicable federal law, state law, respective regulations, or by a collective bargaining agreement. (ORS 660.126 (1h), ORS 660.137 (6), ORS 660.142 & OAR 839-011-310 (3))
- E. The sponsor must re-determine the average journey-level wage at least annually and submit the new average journey wage to the Director of the Apprenticeship and Training Division with a statement explaining how such determination was made and the effective date of the new average journey wage. (ORS 660.137 (6))
- F. Upon receipt of a committee's determination of its current journey worker hourly wage rate, the Director, the Division shall notify all training agents and apprentices of the new wage. (ORS 660.142 (2))

**The average wage and wage progression for this apprenticeship standard are located in Appendix E: Wage and Wage Progression. ([Ctrl + Click to follow link](#))**

#### **8. WORK PROCESSES:**

- A. The Sponsor shall provide the necessary instruction and experience for apprentices to become journey-level workers versed in the theory and practice of the occupation. (ORS 660.137 / OAR 839-011-0270(1b))
- B. The Sponsor shall require the approximate hours listed in the standard's Work Processes as closely as conditions will permit for every apprentice. A Sponsor unable to provide an apprentice



with work experience equaling at least 50% of the hours listed in any of the work processes must provide and document additional related training to compensate for the lack of on-the-job training. (ORS 660.126 (1e), OAR 839-011-0084(3b), and OAR 839-011-0265(1))

NOTE: In licensed occupations apprentices must complete the minimum required total hours prior to being referred to the license examination. (OAR 839-011-0265(2))

**Work processes for this program are located in Appendix F: Work Processes.** ([Ctrl + Click to follow link](#))

9. **RELATED TRAINING:**

- A. The apprentice must attend related/supplemental instruction for at least 144 hours per year unless otherwise stated in this standard. Time spent in related/supplemental instruction will not be considered as hours of work, and the apprentice is not required to be paid for time so spent except where the training agent states by policy or CBA whether and under what circumstances an apprentice is entitled to be financially compensated for attending related instruction. (ORS 660.126 (1e), ORS 660.157, OAR 839-011-0084, and OAR 839-011-0088(1b))
- B. The Committee must provide for instruction of the apprentice during the related/supplemental instruction in safe and healthful work practices in compliance with the Oregon OSHA regulations and applicable federal and/or state regulations. (ORS 660.137 / OAR 839-011-0082 (6a), OAR 839-011-0084, & OAR 839-011-0310)
- C. In case of failure on the part of any apprentice to fulfill the related instruction obligation, the sponsor has the authority to withhold the apprentice's periodic wage advancement; or with a reasonable opportunity to remedy deficiencies, suspend, or cancel the Apprenticeship Agreement. (ORS 660.137 (4))
- D. Clock hours of actual attendance by the apprentice in related/supplemental instruction classes at the community college, training trust or other approved training provider shall be documented and tracked by the Committee. (ORS 660.137 (2a))
- E. Related instruction activities must be at the direction of a qualified instructor. (ORS 660.120 (3), ORS 660.157 (5), ORS 660.160, OAR 839-011-0084 (3f))

The Sponsor must identify the methods of related/supplemental training must consist of one or more of the following: (ORS 660.120 (3), ORS 660.157, OAR 839-011-0084 (3f)).

A minimum number of 144 hours per year are required unless the program has received a waiver from the Oregon State Apprenticeship and Training Council. (ORS 660.157(2))

**A summary of related training topics, hours, and methods are located in Appendix G: Related Training.** ([Ctrl + Click to follow link](#))

10. **ADMINISTRATIVE/DISCIPLINARY PROCEDURES:**

- A. The Sponsor shall administer its program in conformity with its approved standards, with the provisions of ORS 660.002 to 660.210, and with the rules and policies of the council and the division. The Sponsor shall establish policies to meet these requirements and list them in this

section. The Sponsor shall maintain a separate document for the procedures it will utilize to implement its policies. (ORS 660.137 (2) and OAR 839-011-0073)

- B. The committee may include provisions for committee-imposed “disciplinary probation,” which is a time assessed when the apprentice's progress is not satisfactory; a “disciplinary probation” may only be used to provide an opportunity for the apprentice to correct deficiencies and cannot affect the apprentice’s appeal rights after the initial probation is completed. (ORS 660.137 (4))
- C. During disciplinary probation the committee may withhold periodic wage advancements, suspend or cancel the apprenticeship agreement, or take other disciplinary action. (ORS 660.137 (4))
- D. The apprentice has the right to file an appeal of the committee's disciplinary action with the Director of the Apprenticeship and Training Division. (ORS 660.120, OAR 839-011-0090 and OAR 839-011-0093)
- E. Complaint and Appeal Procedures:
  - i. Each committee shall adopt and submit complaint review procedures for Division approval. (OAR 839-011-0084 (3g))
  - ii. All approved committees are expected to administer the program's approved complaint review process in a fair and consistent manner. (ORS 660.120, ORS 660.060 & OPEEO Section 14)
  - iii. Complaints that involve matters covered by a collective bargaining agreement are not subject to the complaint review procedures in this section. (ORS 660.126 (2))
  - iv. After the initial probationary period the apprenticeship agreement may be canceled by a written request from the apprentice. (ORS 660.126 (1g) ORS 660.060 (7))
  - v. After the initial probationary period the committee may only suspend, cancel or terminate the apprentice agreement for good cause, which includes but is not limited to: failure to report to work, nonattendance at related instruction, failure to submit work progress reports and lack of response to committee citations. (ORS 660.060 (7))
    - a. Due notice and a reasonable opportunity for correction must be provided to the apprentice.
    - b. Upon suspension a written notice must be provided to the apprentice and to the Apprenticeship and Training Division.
    - c. Upon cancellation a written notice must be provided to the apprentice and to the Apprenticeship and Training Division.
  - vi. Each committee shall utilize the following procedures and timelines for disciplinary action (cancellation or termination). Committees may adopt and submit alternate complaint procedures, for Division review and approval, providing the procedures are reasonably expected to offer equal protection to the apprentice. (ORS 660.137, OAR 839-011-0175)
    - a. At least 22 days prior to potential disciplinary action by a committee (OAR 839-011-0175):
      - The committee must notify the apprentice in writing of alleged reason for the proposed disciplinary action and potential action to be taken if the allegation is substantiated

- The decisions are effective immediately upon committee action
  - The committee will send written reason(s) for such action to the apprentice by registered or certified mail and will include the appeal rights of the apprentice.
- b. Within 30 days of receipt of committee decision the apprentice may request reconsideration of the action taken by the committee
- The apprentice's request for the local committee to reconsider their disciplinary action must be submitted in writing and must include the reason(s) the apprentice believes the committee should reconsider the disciplinary action.
- vii. Within 30 days of apprentice's request for reconsideration
- The local committee must provide written notification of their final decision including the appeal rights of the apprentice if the committee upholds its decision on the disciplinary action
- viii. If the apprentice chooses to pursue the complaint further
- a. Within 30 days of notification of the committee's final action
- The apprentice must submit the complaint describing in writing the issues associated with the disciplinary action to the Director of the Apprenticeship and Training Division
  - The apprentice must describe the controversy and provide any backup information
  - The apprentice must also provide this information to the local committee/organization
- b. Within 60 working days the Director of the Apprenticeship and Training Division will complete a review of the record
- If no settlement is agreed upon during review, the Director must issue a non-binding written decision resolving the controversy.
- ix. If the apprentice or local committee disputes the Director's decision
- a. Within 30 days of Director's decision the dissenting party must submit a request for the OSATC to hear its case
- Request must be in writing
  - Must specify reasons supporting the request
  - Request and supporting documents must be given to all parties
  - OSATC Rules and Policy Sub-Committee conducts hearing within 45 days and reports its findings to the next regular quarterly meeting of the OSATC
  - The OSATC renders a decision based on the sub-committee's report.
- b. Within 30 days of the OSATC meeting
- The Secretary of the OSATC issues the decision in writing.

## 11. **COMMITTEE – RESPONSIBILITIES AND COMPOSITION**

The following is an overview of the requirements associated with administering an apprenticeship committee and/or program. These provisions are to be used in conjunction with the corresponding ORS and/or OAR.

- A. The committee is the policymaking and administrative body responsible for the operation and success of this Apprenticeship program.

- B. The committee is responsible for the day-to-day operation of the apprenticeship program and must be knowledgeable in the application of Chapter 660 ORS, OAR 839 division 011 and other law and rule as appropriate to the occupation(s).
- C. Sponsors must develop policies and procedures for committee operations and provide a copy to registered apprentices (ORS 660.060 (8), ORS 660.135, ORS 660.137, OAR 839-011-0170, and OAR 839-011-0310 (1b)). The committee's specific policies pertaining to the operation of the program are included in this standard. The procedures for the implementation of the approved policies are maintained by the committee. After approval by the division the approved procedures shall be distributed to all apprentices and training agents.
- D. Committees shall meet as often as is necessary to transact business and at least semi-annually with a quorum in order to review and evaluate the progress of each apprentice. (ORS 660.137 (4) and ORS 660.145)
- i. A quorum shall consist of at least two (2) members representing the employers and two (2) members representing the employees. (ORS 660.135 (3), ORS 660.145)
  - ii. Sponsors must hold a physical meeting for all disciplinary actions. Electronic polling is prohibited for issues requiring the personal appearance of applicants, apprentices, trainees, training agents or employers. (OAR 839-011-0170)
  - iii. Minutes of all meetings must be submitted to the Apprenticeship and Training Division within 10 working days of the meeting. (OAR 839-011-0170)
- E. Program Operations (ORS 660.135, ORS 660.137, OAR 839-011-0170, OAR 839-011-0200):
- i. The Committee will record and maintain records pertaining to the local administration of its Apprenticeship Program and make them available to the OSATC or its representative on request.
    - a. These records include, but are not limited to:
      - Selection of applicants
      - Administration of the apprenticeship program
      - Affirmative action plans
      - Documentation necessary to establish a sponsor's good faith effort in implementing its affirmative action plan
      - Qualification standards
    - ii. Records required by the Oregon Equal Employment Opportunity in Apprenticeship Plan (OAR 839-011-0200) will be maintained for five (5) years; all other records will be maintained for five (5) years after the final action taken by the committee on the apprenticeship agreement.

The following must be submitted by all programs through the Oregon Apprenticeship Tracking System (OATS) apprenticeship management portal:

- a. Apprenticeship Registration Agreement – within the first 45 days of employment as an apprentice. (ORS 660.020, OAR 839-011-0088) (In licensed occupations registration must occur prior to employment in the trade)

- b. Committee Minutes – within 10 working days of the meeting. (OAR 839-011-0170)
- c. Authorized Training Agent Agreements – with the meeting minutes at which they are approved. (ORS 660.020, OAR 839-011-0162)
  - Interim recognition may be authorized by committee policy but may not exceed 45 calendar days.
  - Any recognition of a training agent prior to formal action of the committee must be in conformance with the committee's OSATC approved policy.
- d. Revision of Occupation Standards - as necessary, no later than 45 days prior to OSATC meeting. (OAR 839-011-0030) (Programs should review their Standards at least annually)
- e. Revision of Committee Member Composition as necessary (included in committee minutes). (OAR 839-011-0074)
- f. Average Journey Level Wage – at least annually or whenever changed (included in committee meeting minutes with a summary of how the average wage was determined). (ORS 660.137 (6), ORS 660.142)
- g. Adopt, as necessary or as directed, local program policies and procedures for the administration of the apprenticeship program in compliance with this Standard. (ORS 660.060 (9), ORS 660.120 (4a), OAR 839-011-0073)
  - Policies must be submitted to the OSATC for review and approval.
  - Procedures must be submitted for Division (ATD) approval and inclusion by reference in this Standard prior to implementation.
- h. Authorization for issuance of initial license may be granted after the committee is found to be in compliance for operational purposes.
- i. Forms are available from the Apprenticeship and Training Division. If approved by the OSATC, such amendment(s) and such changes as adopted by the OSATC will be binding to all parties on the first day of the month following OSATC approval.

F. Apprentice Management:

- i. Applicants accepted by the committee, who have documented legal experience creditable to the apprenticeship in the skilled occupation or in some other related capacity, may be granted advanced standing as apprentices. (OAR 839-011-0088 (3a)) Apprentices admitted to advanced standing will be paid the wage rate for the period to which such credit advances them. In licensed occupations previous credit must be documented legal experience. (OAR 839-011-0088 (3b))
- ii. Each apprentice (and, if under 18 years of age, the parent or guardian) will sign an Apprenticeship Agreement with the Sponsor, who will then register the Agreement, with the Apprenticeship and Training Division of the Bureau of Labor and Industries within the first 45 days of employment as an apprentice. (ORS 660.020 (1), ORS 660.060, OAR 839-011-0088)
- iii. The Sponsor shall provide a copy of the committee meeting minutes approving any change of disposition or modification of the Registration Agreement to the Apprenticeship and Training Division within 10 working days of the committee meeting. (OAR 839-011-0170)

- a. Requests for disposition or modification of Agreements include: (1) Certificate of completion, (2) Additional credit, (3) Suspension, military service, or other, (4) Reinstatement, (5) Cancellation, (6) Re-rates, (7) Holds, (8) Examination Referral, (9) Corrections, (10) Limited Supervision-electrical, (11) Phased Supervision-plumbing.
- iv. Rotate apprentices in the various processes of the skilled occupation to ensure the apprentice is trained to be a competent journey-level worker. (ORS 660.137 (2c), OAR 839-011-0265.
- v. At least once every six months the sponsor must review and evaluate each apprentice's progress and take action to advance based on the apprentice's progress or hold the apprentice at the same level for a reasonable period and opportunity for corrective action or terminate for continued inadequate progress. (ORS 660.137 (4))
- vi. The evidence of such action will be the record of the apprentice's progress on the job and during related/supplemental instruction.
  - a. If the apprentice's progress is not satisfactory, the committee has the obligation to withhold the apprentice's periodic wage advancements, suspend or cancel the Apprenticeship Agreement, or take other disciplinary action as established under the "Administrative/Disciplinary Procedures."
- vii. The Sponsor has the obligation and responsibility to provide, within the constraints of industry and market conditions, reasonably continuous employment for all apprentices in the program. (ORS 660.126, ORS 660.020, and OAR 839-011-0310 (2))
  - a. The committee may arrange to transfer an apprentice from one training agent to another or to another committee when the committee is unable to provide reasonably continuous employment, or they are unable to provide apprentices the diversity of experience necessary for training and experience in the various work processes as stated in this Standard.
  - b. If, for any reason, a layoff of an apprentice occurs, the Apprenticeship Agreement will remain in effect unless canceled by the committee.
- viii. An apprentice who is unable to perform the on-the-job portion of apprenticeship training may, if the apprentice so requests and the committee approves, participate in related/supplemental instruction classes, subject to the apprentice obtaining and providing written medical approval for such participation. However, time spent will not be applied toward the on-the-job portion of apprenticeship training. (ORS 660.126 (i))
- ix. The Sponsor shall hear and address all complaints of violations of apprenticeship agreements. (ORS 660.137)
- x. Upon successful completion of apprenticeship, as provided in these Standards, and passing any examination that the committee may require, the committee will recommend that the Oregon Commissioner of Labor award a Certificate of Completion of Apprenticeship. (ORS 660.137, ORS 660.205)

G. Training Agent Management:

- i. The Sponsor shall afford all employers and their qualified employees the opportunity to participate, on a non-discriminatory basis, in existing programs. (OAR 839-011-0084 (2))
- ii. The Sponsor shall provide equal treatment and opportunity for all apprentices through reasonable working and training conditions and apply those conditions to all apprentices uniformly. (OAR 839-011-0200)
- iii. The Sponsor shall provide training agents and prospective training agents with a written statement of costs for program participation. (OAR 839-011-0084(3c))
- iv. The Sponsor shall not require an employer to sign a collective bargaining agreement or join an association as a condition of participation. (OAR 839-011-0162 (3))
- v. The Sponsor shall determine the adequacy of an employer to furnish proper on-the-job training in accordance with the provisions of these Standards. (ORS 660.137(5))
- vi. The Sponsor shall require all employers requesting approved training agent status to complete a training agent application and comply with all Oregon State apprenticeship laws and the appropriate apprenticeship Standards. (ORS 660.137(5))
- vii. The Sponsor shall submit approved training agent agreements to the Apprenticeship and Training Division within ten (10) working days of committee approval with a copy of the agreement and/or the list of approved training agents and committee minutes where approval was granted. (OAR 839-011-0170)
- viii. The Sponsor shall make periodic checks of approved training agents and withdraw approval when approval qualifications are no longer met or when it appears to the committee that the employer is in violation of the terms of the apprenticeship agreement, standards, rules, regulations and policies of the committee or OSATC. (ORS 660.137(5))
- ix. If a committee acts to withdraw training agent status from an employer, the action must be recorded in the committee minutes and submitted to the Apprenticeship and Training Division within 10 working days of the committee action. (OAR 839-011-0170)

H. OSATC Required Policies: (ORS 660.120 - ORS 660.137/OAR 839-011-0073)

- i. All local committees shall develop and administer operating policies and procedures to govern program operations as directed by the OSATC and administer such policies and procedures in a consistent manner. Policies and procedures will be approved by the committee and recorded in the meeting minutes.
- ii. When adopted or revised, the Sponsor shall submit these policies and procedures to ATD staff who will advise the Sponsor regarding their conformity with apprenticeship laws, rules and OSATC guidelines.
- iii. Committee policies and procedures must include the following written policies:
  - a. Credit for prior experience
  - b. OJT requirements (hours, work processes, rotation/partial rotation, monthly progress reports, timelines, applicable penalties)
  - c. Related training requirements (attendance, grades):

- d. Complaint procedures:
  - e. Process for the review and evaluation of apprentice progress:
  - f. Advancement requirements (re-rates, completions):
  - g. Disciplinary process (appearances, holds, cancellations):
  - h. Training agent requirements (approval, discipline, removal):
  - i. Traveling training agent policy:
  - j. Initial employment policy:
  - k. Placement procedures for out-of-work apprentices:
  - l. License requirements, including exam referral and completion requirements (for licensed trades only).
- I. Composition of Committee:
- i. Joint apprenticeship and training committees must be composed of an equal number of employee and employer representatives composed of at least four principal members but no more than eight principal members. An alternate member may be appointed for each principal member. A quorum shall consist of at least two employer members and two employee members. (ORS 660.135; OAR 839-011-0074)
  - ii. Trades apprenticeship and training committees must be composed of an equal number of employee and employer representatives composed of one principal employee and one principal employer member for each occupation covered by the trades committee. An alternate member may be appointed for each principal member. A quorum shall consist of at least two employer members and two employee members. (ORS 660.145; OAR 839-011-0074)
  - iii. Employee representatives shall
    - a. be skilled practitioners of the trade or occupation and be a member of the collective bargaining unit if a collective bargaining agreement exists for the trade or occupation that is the subject of the apprenticeship or training program administered by the committee (OAR 660.135); or
    - b. be a bargaining unit representative for the employees of a participating training agent (OAR 839-011-0074(1b)); and
    - c. not serve in a supervisory capacity as defined in the National Labor Relations Act, as amended. (OAR 839-011-0074(1b))
  - iv. The committee shall elect a chairperson and a secretary from the committee members. One of the offices must be held by an employer member and one office must be held by an employee member. (OAR 839-011-0074(8))
  - v. The Council or the Sponsor may remove committee members or officers for failure to abide by ORS 660 or the rules and policies of the OSATC or committee. (OAR 839-011-0078)

The program administered by this committee is a:

**JATC**

(ORS 660.135) or (ORS660.145)

The employer representatives shall be: (See attached committee list)



The employee representatives shall be: (See attached committee list)

12. **SUBCOMMITTEE**

Subcommittee(s) may be approved by the sponsor but may only recommend actions to the parent Committee.

13. **PROGRAM CONTACT INFORMATION**

The Sponsor may employ a person(s) as a full or part-time Training Coordinator(s)/Training Director(s)/Administrator(s). This person(s) will assume responsibilities and authority for the operation of the program as are specifically delegated by the Sponsor. (ORS 660.135(5)) See Appendix H for this program's contact information.

**Program contact information is located in Appendix H: Program Contact. ([Ctrl + Click to follow link](#))**

**APPENDIX A: GEOGRAPHICAL AREA**

The geographic area covered by these standards are

**all counties**

in the State of Oregon.

*These standards shall also cover **Clark, Cowlitz, Klickitat, Skamania and Wahkiakum Counties, and that portion of Pacific County south of a straight line made by extending the north boundary of Wahkiakum County west to Willapa Bay to the Pacific Ocean and, thence, north through the natural waterway to the Pacific Ocean to include the entire peninsula west of Willapa Bay** in the State of Washington for notification purposes under the terms and conditions of the reciprocal agreement.*

**APPENDIX B: MINIMUM QUALIFICATIONS**

Minimum Qualifications for this standard are:

<b>Age:</b>	Eighteen (18) years of age.
<b>Education:</b>	High school diploma or GED Equivalency Certificate
<b>Physical:</b>	None
<b>Testing:</b>	None
<b>Other:</b>	None

<b>Note:</b>	<p>Training Agents may conduct Drug and Alcohol Testing as a condition of employment as long as it is in compliance with the Collective Bargaining Agreement (CBA) and all applicable regulatory requirements, including state and federal laws.</p> <p>Training Agents may require a Background Check as a condition of employment as long as it is required by an established written employment policy and is in compliance with all applicable regulatory requirements, including state and federal laws.</p>
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## APPENDIX C: SELECTION PROCEDURES

### Selection Procedure:

All out of work apprentices in good standing will be offered the opportunity for re-employment prior to new applicants being registered in conformance with the Committee's approved initial employment policy. To remain in good standing, apprentices must adhere to the committee's policies and procedures.

The Committee shall select apprentices from a pool of eligible applicants according to the following procedure:

### **Application Notice and Schedule:**

- A. The Committee will distribute openings announcements throughout the year based on geographic needs and in accordance with its Targeted Outreach, Recruitment and Retention Plan. Applications will be made available in person at the training centers or online.

### **Application Process, Orientation, and Interview:**

- A. Interested applicants must submit a completed application with all supporting documentation.
- B. The Committee will review applications and supporting documentation to verify that the applicant meets minimum requirements. The Committee will score all applications based on the following:

Valid Driver's License	5 Points
Military (DD214 with honorable discharge)	15 Points
<b>Education</b>	<b>Maximum of 40 Points</b>
High School Diploma	15 Points
GED or Work Keys – Bronze Level and above	15 Points
Associate's, bachelor's, or higher degree	5 Points
Trades Related Course Completion (such as welding, architecture, blueprint etc.)	5 Points per course with passing grade
Schools with CTE/Construction Program Course Completion	5 Points per course with passing grade
<b>General Work and Volunteer Experience</b>	<b>Maximum of 20 Points</b>
UBC Helper, Tender, or Utility Worker	5 points per 500 work hrs
Construction Experience	5 points per 750 work hrs
General Work Experience	5 Points per 1,000 work hrs
Volunteer Experience (unpaid)	1 point per 40 hrs
<b>Specialized Training</b>	<b>Maximum of 40 Points</b>
Pre-Apprenticeship Graduate with Memo of Understanding	20 points
Career Connections Curriculum Certification	20 points + 1 points per document
<b>Maximum total of 120 points possible</b>	

- C. Applicants who score in the top 35% will be scheduled to complete an Orientation Session designed to inform applicants about this trade and program.
- a. If industry needs exceeds the 35%, up to an additional 15% will be scheduled to complete an Orientation Session.
  - b. Applicants who fail to meet the minimum qualifications will be notified in writing by the Committee with the reason(s) stated.
- D. Upon completion of the Orientation Session, applicants will be scheduled for a scored interview with a maximum of 100 points possible.

**Ranked Lists and Placement:**

- A. The application score will be combined with the interview score, giving applicants an overall combined score.
- B. Applicants will be placed on Ranked Lists of Tier 1 or Tier 2, in descending order based on their combined score. Applicants who score over 120 points will be placed in Tier 1. All other applicants will be placed in Tier 2.
- C. Tier 1 applicants will be placed with a training agent in descending order based on their score and geographic regions indicated on their application. Once Tier 1 is exhausted, Tier 2 applicants will be added to Tier 1.
  - a. Tier 2 applicants are highly encouraged to request reevaluation to increase rankings.
- D. Applicants will be combined with the existing Ranked Lists.
- E. Applicants will be removed from the Ranked Lists under the following circumstances:
  - a. The applicant has been on the lists for two years without placement with a training agent.
  - b. The applicant has requested removal.
  - c. The applicant has failed to maintain current contact information or respond to communication from the Committee.
  - d. The applicant has improperly refused placement with a training agent as outlined in the committee's policy and procedures.
- F. Applicants may seek reevaluation of placement on the ranked list by re-applying. They must have completed 1 or more of the following items:
  - a. Documented carpentry related experience with a minimum 500 hours; or
  - b. 6 months of trade related experience (i.e. trades classes, construction related volunteer experience); or
  - c. Completion of a state approved pre-apprenticeship program with whom this committee has a MOU with; or
  - d. Completion of all WorkSource Oregon Workshops.
- G. The Committee will notify any applicant removed from any list with the reason(s) for removal. Applicants who are removed are encouraged to apply at a later time.

**Exceptions:****1. APPRENTICE TRANSFER**

An apprentice currently registered in a program affiliated with this program's sponsoring organizations, or with other registered apprentice carpenter programs which provide similar work experience and related instruction, may at any time seek entry into the program. The apprentice must have been registered for a minimum of six months, have at least 500 hours verifiable OJT, be in good standing with their JATC and meet the current minimum qualifications of these standards. Qualifying individuals will be placed at the bottom of the out-of-work apprentice list.

**2. EXPERIENCED APPRENTICE (Re-entry to this program)**

The Committee may permit an apprentice, who voluntarily withdrew from this carpenter program (MA 1057), to re-enter at any time and resume training at that level and term which the Committee finds appropriate to the skills, knowledge, education and training of the apprentice.

The Committee may permit an apprentice, who was dismissed for cause from this or any registered apprenticeship program, to apply to this program only after at least 12 months have expired since the date the committee entered the cancellation, termination or dismissal.

**3. NEW TRAINING AGENT**

If an employer has not participated in the training of an apprentice under ORS Chapter 660 for at least two years prior to seeking entry or re-entry into the apprenticeship program, the employer may select as his/her initial apprentice, without going to the pool, those bona fide employees who have been on his/her payroll for at least 480 hours prior to the employer's application for an apprentice and who meet the minimum qualifications for entry into the trade. Once the initial selection of an apprentice has been made the employer thereafter is restricted to a selection from applicants in the ranked pool of eligibles established by the sponsor.

**4. PREVIOUS EXPERIENCE**

Upon the following terms, the committee shall, at any time, consider an application for admission from an applicant with prior experience in the Carpenter occupation:

- The applicant must meet the minimum qualifications of this program;
- The applicant must document not less than 2,000 hours of OJT experience of which 1,500 were obtained within the immediately preceding 12 month period; or 750 on-the-job hours experience with a registered training agent with this committee and a letter of recommendation;
- The applicant must submit to a validated objective examination to verify skill level;
- If registered under this exception, the applicant shall be granted credit for experience in the Carpenter trade based upon the following:
  - Demonstrated skills;
  - Documented experience;
  - Documented classroom training;
  - Results of the objective examination.

The Committee will retain all evaluation data consistent with ORS 660, et seq.; Each apprentice registered under this exception will complete all related / supplemental instruction curricula in these Standards except insofar as credit was given for the same or similar validated curricula already completed. The applicant will be registered and placed at the bottom of the out of work list. The Committee will evaluate each registration to the program under this procedure and address in its Minutes, the impact, if any, on the Committee's Affirmative Action Plan, its Goals and Timetables, and Equal Employment Opportunity Pledge.

#### 5. PRE-APPRENTICESHIP

Graduates that have successfully completed carpenter and carpenter related occupation pre-apprenticeship programs jointly approved by the OSATC and the committee during the preceding four years will be registered and placed at the bottom of the apprentice out of work list, providing that the applicant meets the current minimum qualifications. Such priority is granted without regard to race, color, religion, national origin, or sex.

#### 7. ORGANIZING

Individuals who are employed by an employer who becomes signatory shall be provided direct referral into the program if they:

- a) Meet the current minimum qualifications of this program; and
- b) Do not qualify as a journey worker.

Individuals qualifying under this exception shall be evaluated by the committee and registered at the appropriate period of apprenticeship based upon previous work experience and related training.

#### 8. ORGANIZING (50% + 1 of the employees sign bargaining cards)

Individuals who sign an authorization card during an organizing effort wherein more than 50% of the employees have signed shall be provided direct referral into the program if they:

- a) Meet the current minimum qualifications of this program; and
- b) Do not qualify as a journey worker.

Individuals qualifying under this exception shall be evaluated by the committee and registered at the appropriate period of apprenticeship based upon previous work experience and related training.

#### 9. CONTRACTUAL REQUIREMENT

A training agent, able to document the existence of a valid contractual requirement for specific percentages of minority and/or female apprentices on the job, may request that the sponsor pierce the Out of Work List and Ranked Pool of Eligibles to reach the top minority or female qualified applicant(s). The sponsor will record on the registration agreement, and in its minutes, the use of this exception and retain a copy of applicable bid specifications.

#### 11. NATIVE AMERICAN PREFERENCE

Qualified Native American applicants referred and ranked by a Tribal Employment Rights or Human Services Office (TERO), and who otherwise meet the minimum qualifications of these Standards, may be selected for dispatch without regard to existing selection procedures if the work to be performed is in a geographic area on or near an existing Indian Reservation, Lands or Nation or has been funded by, or at the direction of, an Indian Tribe or Nation.

#### 12. VETERAN'S ENTRY

Upon the following terms, the committee shall, at any time, consider an application for admission from a Veteran of the United States armed forces or an active Service Member who is within 180 days of discharge under conditions Other than Dishonorable:

- The applicant must meet the minimum qualifications of this program and, at time of entry, either have been discharged from the United States armed forces under conditions other than Dishonorable, or be an active service member in good standing;
- The applicant must have been a member of the Regular Service, discharged within the preceding 10 years, and possess a DD-214 indicating that the discharge is under

conditions Other than Dishonorable;

- Or, the applicant must have been a member of the Selected Reserve, or Individual Ready Reserve, discharged within the preceding 10 years and possess a DD-214 indicating that the discharge is under conditions Other than Dishonorable;
- Or, the applicant must have been a member of the National Guard, discharged within the preceding 10 years and possess a DD-214 indicating that the discharge is under conditions Other than Dishonorable.

Individuals qualifying under this exception may seek direct entry and, if registered, will be placed at the bottom of the out of work list.



**APPENDIX D: TERM, PROBATIONARY PERIOD, RATIO****Term of Apprenticeship:**

This is a time-based apprenticeship standard. The term of this standard of apprenticeship shall be **8,000** hours of employment.

**Probationary Period:**

The probationary period shall be the first **1,600** OJT hours of employment, or one year after the current registration to this standard, whichever is shorter.  
(ORS 660.126 (g))

**Ratio:**

The ratio of apprentices to journey-level worker shall not be more than:

**One (1)** apprentice to the first **one (1)** journey-level worker on  
**the jobsite.**

Additional apprentices are authorized at a ratio of **one (1)** apprentice for each additional **one (1)** journey-level worker(s). (ORS 660.126 (f))

**APPENDIX E: WAGE AND WAGE PROGRESSION**

The average wage for those journey-level workers employed by the participating employers in this occupation on **January 1, 2024** is **\$55.20** per hour.

<b>Period</b>	<b>Minimum OJT hours</b>	<b>Estimated School Hours needed for re-rates</b>	<b>% of the journey level rate</b>
1	0	0	60
2	750 - 1,000	80	65
3	1,500 - 2,000	160	70
4	2,250 - 3,000	240	75
5	3,000 - 4,000	320	80
6	3,750 - 5,000	400	85
7	4,500 - 6,000	480	90
8	5,250 - 7,000	560	95
9 = Completion	6,000 - 8,000	640	100

- While it is estimated that rerates will occur every six months, the JATC does have the discretion to advance a rerate as long as the OJT and RT requirements have been met.

**APPENDIX F: WORK PROCESSES**

The work processes and approximate training hours in each area are:

<b>Work processes</b>	<b>Approximate hours</b>
<p>A. Introductory Training</p> <ol style="list-style-type: none"> <li>1. Safe practices, safety precautions: clothing, eye and body protection, First Aid station location</li> <li>2. Tool room: names of tools, their uses, cost, care and repair of tools and equipment</li> <li>3. Operating simple machine tools</li> <li>4. Work cards, identifying materials, and material cost</li> <li>5. Good housekeeping: storing tools and accessories</li> <li>6. Carpentry Forms, Concrete, Timber Framing</li> <li>7. Drawing and Layout               <ol style="list-style-type: none"> <li>a. Blueprint reading</li> <li>b. Machine drawings</li> <li>c. Plant layout and layout plans</li> </ol> </li> </ol>	900
<p>B. Optical Tooling</p> <ol style="list-style-type: none"> <li>1. Set-up procedures of leveling transits builders level, laser equipment, precision levels, optical micrometers, tilting levels, and jig transits</li> <li>2. Elevations, profiling, and surveying procedures</li> <li>3. Reading the various measuring devices</li> <li>4. Names and uses of precision tools &amp; get feel of instruments on predetermined sizes               <ol style="list-style-type: none"> <li>a. Tri-square, protractor and center head</li> <li>b. Inside and outside micrometers</li> <li>c. Inside and outside calipers</li> <li>d. Dial indicator</li> <li>e. Depth gauge</li> </ol> </li> </ol>	1,325
<p>C. Machine Shop Technique</p> <ol style="list-style-type: none"> <li>1. Plane surfacing, various metals, leveling, and holding work, shaper cutting tools, shaper speeds for job, strokes per minutes, setting ram position</li> <li>2. Measuring: checking to sketch or print</li> <li>3. Vertical or side cutting, adjusting head</li> <li>4. Angular and formwork: Engine Lathe</li> <li>5. Straight and taper turning on center, preparation of material truing centers, holding of driving devices, lathe dogs, jigs, mandrel lathe cutting tools, speed and feeds, roughing, finishing cuts, knurling</li> <li>6. Measuring: checking to sketch or print</li> <li>7. Thread cutting</li> <li>8. Taper attachment, offset tailstock</li> <li>9. Chuck work, face plate work, turning and boring, radial facing, form work, drilling, reaming, tapping, taper boring</li> <li>10. Various machine fits, tolerances and allowance, sliding and turning drive, force shrink Milling Machine</li> <li>11. Milling machine work: plane and slab milling, angular and side form or irregular</li> <li>12. Speeds and feeds</li> <li>13. Attachments and work holding devices, dividing head, vise and chuck, slotting, arbors and cutters</li> </ol>	1,600

14. Keyways, grooves 15. Welding	
D. Bench and Floor	4,175
1. Filing and fitting, scraping, reaming, tapping, chipping, honing (oil stone), sharpening tools, cutting gaskets	
2. Pneumatic tools, portable air and electric drills, hammers, grinders	
3. Rabbeting	
4. Testing and checking	
5. Inspection	
6. Rigging and Climbing	
a. Erection of scaffold	
b. Use of slings, hitches, pulleys, blocks and chain hoists	
c. Setting up ladders and runways	
d. Miscellaneous equipment	
e. Safety methods	
f. Cable splicing	
7. Installation	
a. Installation, erection and assembly of all machinery	
b. Installation of special equipment and fixtures	
c. Moving installations	
d. Placement of brackets, benches, tables, stands, tanks	
e. Template layouts to determine necessary floor space of machines	
f. Machine footing, tightening hold down bolts	
g. Testing and inspection	
8. General Fabricating and Assembly	
TOTAL	8,000

In licensed occupations apprentices must complete the minimum required total hours prior to being referred to the license examination. (OAR 839-011-0265(2)) (For electrical licenses, ORS 479.630 & OAR 918-282-0270) (For plumbing licenses, ORS 693.060 & OAR 918-695-0140)

Apprentices must complete a total of **8,000** hours of on-the-job training. However, the committee recognizes that most apprentices will not be able to fulfill the total amount of hours specified in every work process as set forth in this standard. When an apprentice is unable to fulfill the total work hours in each work process the committee will evaluate the apprentice’s knowledge, skills and abilities and provide appropriate additional related instruction to assure that competency is acquired in each work process. The evaluation and summary of the additional instruction will be noted in the apprentice’s file. (OAR 839-011-0265(1))

**APPENDIX G: RELATED TRAINING**

A minimum of **144** hours of related training shall be required during each **for each of the first four (4) years of the program or until all required related training hours as set forth in the program standards are completed. During any subsequent year(s) that the apprentice remains in the program, a minimum of 40 hours of related training shall be required.** (ORS 660.126 (e) / ORS 660.175(2))

The following is a summary of related instruction including required class hours in each element of instruction. A committee may establish and submit clear objectives and outcomes in lieu of hours for each class subject. (ORS 660.157)

<b>Course</b>	<b>Hours</b>
Introduction to Millwright Trade	40
Machine Installation	40
Introduction to Lifting and Hoisting	40
Welding, Cutting & Burning	40
Mechanical Blueprint Reading	40
Machinery Alignment Procedures 1	40
Machinery Alignment Procedures 2	40
Machinery Alignment Procedures 3	40
Fabrication	40
Machine Shop	40
Power Transmission Systems	40
Millwright Precision Optical Alignment	40
Hydraulics and Pneumatics	40
Pump Repair	40
Advanced Welding	40
Foreman / Supervisor	40
<b>Total</b>	<b>640</b>
Optional Classes	
Industrial Equipment	40
Millwright – Total Station	40
Supplemental / Specialized Maintenance	40
Conveyor and / or Monorail	40
OSHA – 16; UBC Turbines	40
Paper Machines	40
Construction Mathematics	40

Methods of related/supplemental training shall consist of the following:

- Community college;
- Training trust;
- Other: Pacific Northwest Carpenters Institute

**APPENDIX H: PROGRAM CONTACT INFORMATION**

**ADMINISTRATOR/COORDINATOR**

Sam Moles

Pacific Northwest Carpenters Institute

4222 NE 158th Ave

Portland, OR 97230

503-287-3708 (phone)