

Construction Career Pathways

Fall 2008 Northwest College of Construction Course Schedule
A Special Supplement to DJC | July 28, 2008



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Our Mission

Northwest College of Construction is a privately funded, non-profit technical facility promoting life-long learning by delivering craft, supervisory, management education and career placement services to the construction industry.

Governance:

NWCC is governed by a board of directors consisting of members of the four business associations that sponsor the school. The board consists of the following: Associated Builders and Contractors (ABC), Associated General Contractors (AGC), The Home Builders Association of Portland (HBA), and the National Utility Contractors Association of Oregon and SW Washington (NUCA).

Accreditation:

NWCC is accredited by the **National Center for Construction Education and Research (NCCER)** (www.nccer.org) that was created to address the critical workforce shortage facing the construction industry and to develop industry driven standardized craft training programs with portable credentials.

The **NCCER Mission** is to assure that industry clients receive quality services and industry workers have rewarding, progressive careers. The NCCER provides world-class craft training materials, opportunities for leadership growth, and effective safety training that will enhance productivity, cost-effectiveness, and the image of the construction and maintenance industry.

The quality and standardization of NCCER's Centren® Learning Series and Skills Assessments is accomplished through a formal accreditation process. Through this process, participants receive quality training based on uniform standards and criteria. These standards are presented as policies in the NCCER "Accreditation Guidelines".

Licensing and Registration:

Programs licensed and subject to Oregon Department of Education (ODE) Private Career School regulation: Carpentry, Concrete Finishing, Construction Craft Laborers, Heating, Ventilation & Air Conditioning (HVAC), Heavy Equipment Operations, Masonry, and Sheet Metal.

Programs of study registered with the Oregon State Apprenticeship and Training Council: Carpentry, Concrete Finishing, Heavy Equipment Operations, Heating, Ventilation & Air Conditioning (HVAC), Heavy Equipment Operations, Masonry, Tile Trades and Sheet Metal. (Some programs approved by the Washington State Apprenticeship Training Council - Call for details.)

Courses for personal and professional development, and for the purposes of Continuing Education, are not subject to ODE licensure or regulation.

Legal Structure:

The Northwest College of Construction (NWCC) is a non-profit 501(c)(3) corporation formed under the laws of the State of Oregon.

Campus Locations:

NWCC = Northwest College of Construction
8111 N.E. Holman Street, Portland Oregon 97218
(503) 256-7300

LCC = Lane Community College
4000 East 30th Avenue, Eugene Oregon 97405
(541) 463-3000

BMCC = Blue Mountain Community College
2411 NW Carden Avenue, Pendleton Oregon 97801
(541) 276-1260

Overview:

NWCC provides open enrollment and admits students of any race, color, national origin, and ethnic origin to all the rights, privileges, programs, and activities generally accorded or made available to students at the school. It does not discriminate on the basis of race, color, national origin, and ethnic origin in administration of its educational policies, admission policies, scholarship and loan programs, and other school-administered programs. NWCC delivers courses for students seeking education to fulfill the following career needs: apprenticeship, career track, personal development, continuing education, supervision and management.

NOTE: Modular classes may be taken by individuals with the understanding that little remediation will be possible, and all pre-requisites must be met prior to admittance to class.

Refund and withdrawal policies apply to all students. (See Registration Form for Refund Policy)

It is not necessary to be a registered apprentice to take courses at NWCC. Apprentices, however, must take classes as mandated by the Standards of Apprenticeship for their craft to receive a Journey Card from the Bureau of Labor and Industries.

Customized Training Program

Customized Training is becoming a popular option for employers and Operations Managers. These programs are tailored for either on-site company meetings, or may be facilitated at the Northwest College of Construction in Portland. Some Customizable programs available include:

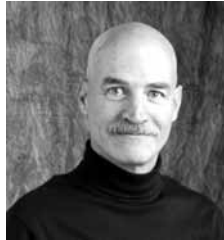
- OSHA 10-hour
- First Aid/CPR
- Flagging Certifications
- Light Equipment Operations
- Management Seminars including:
 - Construction Law, Planning & Scheduling
 - Productivity Improvement
 - Estimating and Cost Control
 - Contract Documents and more...

Pricing and Availability may vary depending on the nature of the program, size of group, location, advance notice, length of program and other variables. Please call NWCC at 503-256-7300 for further details and price quotes.

Academic Calendar
(Classes start throughout each term)

| | Fall 2008 | Winter 2009 |
|----------------------------|------------|-------------|
| Course Schedules Available | Jul. 28 | Nov. 24 |
| Registration Begins | Aug. 4 | Open |
| Classes begin | Sep. 29 | Jan. 5 |
| Campus Closed | Nov. 27-28 | Jan. 1-2 |
| | Dec. 25-26 | Jan. 19 |
| Finals Week | Dec. 15-20 | Mar. 23-28 |
| Last Day of Term | Dec. 20 | Mar. 28 |
| Grades available | Dec. 29 | Apr. 6 |

Welcome to NWCC



Dan Graham
President

Northwest College of Construction (NWCC, www.nwcc.com) is the new professional-technical College created by the construction industry to meet the workforce needs of our industry. Our goal as a private, non-profit educational organization is to provide the highly skilled workers needed in order for the Oregon and SW Washington construction industry to continue to build the homes, office towers, small business facilities, shopping centers, and the myriad structures that make up a our communities. Of course we also must educate and train the workers who tie it all together with water, power, and communication utilities not to mention the roads, light-rail lines and bridges that make it all work. In other words, we play a critical role in our NW economy.

We recruit and train entry-level students who are "Born-To-Build!" and are seeking their first job in the construction industry as well as provide continuing education for incumbent workers with years in the industry. Many of our students are registered in formal apprenticeship programs while others are open-enrollment students who need just a few courses to fill in a specific skill gap in their trade, craft or specialty.

Most truly skilled workers understand that OJT (on-the-job-training) isn't enough. After all, construction products and methods continue to change and develop, sometimes at a rapid pace. This makes it imperative for workers to obtain the latest theory and technical knowledge available if they wish to compete for the top-tier positions in the industry, taught by experienced instructors, using lecture and hands-on application methods create the optimal learning environment for students at all levels of their career.

NWCC's combination of the latest curriculum, taught by experienced instructors, using lecture and hands-on application methods create the optimal learning environment for students at all levels of their career.

We also provide the courses needed by those in the industry who are advancing into supervisory and management level responsibilities. Of course we also offer those important, certifications such as OSHA, first aid, traffic control, and other specialty courses needed by the industry.

NWCC is in the business of building successful careers in the Northwest construction industry. Be sure to take a look at our course selections and contact us today for more information.

CERTIFICATION CLASSES ★
Classes that offer certifications include:

First Aid/CPR:
First Aid/CPR (Medic First Aid)

Flagging:
Flagging (Evergreen Safety)

Jump Start:
OSHA 10-Hour (OSHA)
First Aid/CPR (Medic First Aid)
Flagging (Evergreen Safety)

Laborers L-2:
1. Confined Space Entry (OSHA)
2. Competent Person, trenching and Excavation (OSHA)

Heavy Equipment Operations L-3:
HE0304
1. Competent Person (OSHA)

Heavy Equipment Operations L-4:
HE0401
1. Boom Trucks (Ives & Associates)

Light Equipment Training:

1. Counterbalanced Forklifts (Ives & Associates)
2. Boom and Scissor Lift (Ives & Associates)
3. Skid-Steer Loader (Ives & Associates)
4. Rough-Terrain Forklift (Ives & Associates)
5. Boom Truck (Ives & Associates)

Supervisory Training Program:

1. Unit 1: Leadership and Motivation (AGC)
2. Unit 2: Oral and written Communication (AGC)
3. Unit 3: Problem Solving and Decision Making (AGC)
4. Unit 4: Contract Document and Construction Law (AGC)
5. Unit 5: Planning and Scheduling (AGC)
6. Unit 6: Understanding and Managing Project Cost (AGC)
7. Unit 7: Accident Prevention and Loss Control (AGC)
8. Unit 8: Managing the Project: The Supervisor's Role (AGC)
9. Unit 9: Productivity Improvement (AGC)
10. Unit 10: General and Specialty Contractor Dynamics (AGC)
11. Units 1 - 10: (AGC)

Instructor Education:

1. Vocational Instructor Certification (NCCER)
2. Instructor Certification Training Program (NCCER)

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SAFETY

OSHA 10-HOUR ★

This course meets OSHA's requirements for a 10 hour construction industry training program. This 10-hour course provides participants with best practices for some of the most common and hazardous situations on the job site. Designed for all employees on the job site. Students who successfully complete this training will receive an OSHA-10 Hour card. Successful completion of OSHA 10-Hour and First Aid/CPR meets and exceeds minimum criteria for successful completion of the apprentice required Basic Safety. Courses in this category are offered for the purpose of continuing education and/or self-improvement and do not require Oregon Department of Education licensure. (OAR 581-045-0019(e))

OSHA 10-Hour

CRN #2717
 Date: Fri, Sat, 9/12/9/13 Fri, 12:00 AM-5:00 PM & Sat, 8:00 AM-1:00 PM Location: NWCC, Room: 101
 Member: Tuition: \$185.00 Books: N/A Total: \$185.00
 Non-Member: Tuition: \$185.00 Books: \$14.00 Total: \$199.00

OSHA 10-Hour

CRN #2718
 Date: Fri, Sat, 10/10/10/11 Fri, 12:00 AM-5:00 PM & Sat, 8:00 AM-1:00 PM Location: NWCC, Room: 101
 Member: Tuition: \$185.00 Books: N/A Total: \$185.00
 Non-Member: Tuition: \$185.00 Books: \$14.00 Total: \$199.00

OSHA 10-Hour

CRN #2719
 Date: Fri, Sat, 11/14-11/15 Fri, 12:00 AM-5:00 PM & Sat, 8:00 AM-1:00 PM Location: NWCC, Room: 101
 Member: Tuition: \$185.00 Books: N/A Total: \$185.00
 Non-Member: Tuition: \$185.00 Books: \$14.00 Total: \$199.00

Competent Person; Trenching and Excavation ★

The four hour course will cover these areas:

Federal, Oregon and Washington rules related to trenching and excavation requirements, Soil analysis/classification methods, Use of protective systems, Sloping and benching, Shield systems, Surface/underground installations, Access/egress, Exposure to vehicular traffic and falling loads, Hazardous atmosphere, Water accumulation, and Emergency rescue equipment.

CRN #2739

Date: Mon, 11/17, 6:00 PM-10:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$115.00 Total: \$115.00
 Non-Member: Tuition: \$115.00 Total: \$115.00

Confined Space Entry ★

Introduces participants to the hazards and safeguards associated with confined-space work. Participants learn the proper on-site safety and emergency-response procedures, and the difference between permit-required and non-permit-required confined spaces.

CRN #2737

Date: Mon, 11/10, 6:00 PM-10:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$115.00 Total: \$115.00
 Non-Member: Tuition: \$115.00 Total: \$115.00

Company Safety Program Development

This course provides instruction on how to implement and administer a company safety program. It is designed for field managers, safety directors, safety committees, owner safety representatives, and insurance/loss control representatives.

CRN #2833

Date: Fri, Sat, 10/24-10/25 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$208.00 Books: \$117.00 Total: \$325.00
 Non-Member: Tuition: \$208.00 Books: \$167.00 Total: \$375.00

First Aid/CPR ★

MEDIC FIRST AID Training Programs cover first aid, CPR, AED, blood-borne pathogens, emergency oxygen, and OSHA safety compliance. Successful participants receive basic First Aid/CPR Certification. Successful completion of OSHA 10 hour and First Aid/CPR meet and exceed minimum criteria for successful completion of the apprentice required Basic Safety.

First Aid/CPR

CRN #2784
 Date: Fri, 9/19, 8:00 AM-12:00 Location: NWCC, Room: TBA
 Member: Tuition: \$50.00 Books: N/A Total: \$50.00
 Non-Member: Tuition: \$50.00 Books: \$10.00 Total: \$60.00

First Aid/CPR

CRN #2785
 Date: Fri, 10/17, 8:00 AM-12:00 AM Location: NWCC, Room: TBA
 Member: Tuition: \$50.00 Books: N/A Total: \$50.00
 Non-Member: Tuition: \$50.00 Books: \$10.00 Total: \$60.00

First Aid/CPR

CRN #2786
 Date: Fri, 11/21, 8:00 AM-12:00 AM Location: NWCC, Room: TBA
 Member: Tuition: \$50.00 Books: N/A Total: \$50.00
 Non-Member: Tuition: \$50.00 Books: \$10.00 Total: \$60.00

OSHA 30-HOUR

This class meets OSHA's requirements for a 30-hour construction industry training program. Course contents provide the necessary safety task training to all field personnel. This course is designed for individuals involved with completing or overseeing a specific task, from the craftsman, crew leader, safety supervisor, to superintendent. Participants must successfully complete all five modules to be awarded OSHA 30 Certification.

Topics Covered: Introduction to Safety * Hazard Communication * Personal Protective Equipment * Work-Zone Safety * Electrical and High-Voltage Hazards * Fire Protection and Prevention * Hand-and Power-Tool Safety * Welding Safety * Steel Erection * Walking and Working Surfaces * Ladders and Scaffolding * Horizontal Directional Drilling Hazards * Heavy-Equipment, Crane, and Rigging Safety * Trenching Safety * Forklift Safety * Lockout/Tagout * Confined Spaces * Concrete and Masonry

OSHA 30-hour

Full Term
 CRN #FS10108
 Date: Tue, 10/7-12/9 6:00 PM-9:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$408.00 Books: \$117.00 Total: \$525.00
 Non-Member: Tuition: \$408.00 Books: \$167.00 Total: \$575.00

Flagging ★

Successful participants of the flagger training class receive a Flagger Certification.

Flagging

CRN #2815
 Date: Fri, 9/19, 12:30 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$110.00 Total: \$110.00
 Non-Member: Tuition: \$110.00 Total: \$110.00

Flagging

CRN #2816
 Date: Fri, 10/17, 12:30 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$110.00 Total: \$110.00
 Non-Member: Tuition: \$110.00 Total: \$110.00

Flagging

CRN #2817
 Date: Fri, 11/21, 12:30 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$110.00 Total: \$110.00
 Non-Member: Tuition: \$110.00 Total: \$110.00

CONSTRUCTION CRAFT TRAINING

Carpentry

This program is licensed by the Oregon Department of Education. (OAR 581-045-0033(6)(7))

Carpentry Level 1

Carpentry Fundamentals is a 144-hour course that meets the annual requirement of related training for registered apprentices. This course is also available to open enrollment students. It is offered over three 12-week terms and is comprised of several individual course modules. Textbooks: Core Curriculum and Carpentry Fundamentals, published by Prentice Hall, are used for the entire course of study (1st year of apprenticeship).

Full Term Includes: Basic Employability Skills * Communication Skills * Orientation to the Trade * Introduction to Hand Tools * Building Materials, Fasteners and Adhesives * Introduction to Power Tools * Hand and Power Tools * Introduction to Construction Math * Introduction to Concrete and Reinforcing Concrete

Carpentry Level 1 Full Term

CRN #2432
 Date: Mon, 9/29-12/15 6:00 PM-10:00 PM Location: NWCC, Room: 202
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$149.00 Total: \$654.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$213.00 Total: \$739.00

Carpentry Level 1 Full Term Lane County

CRN #2489
 Date: Mon, 10/1-12/17 6:00 PM-10:00 PM Location: LCC, Room: TBA
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$149.00 Total: \$654.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$213.00 Total: \$739.00

Carpentry Level 2

Carpentry Level 2 is a 144-hour course offered over three 12-week terms and is comprised of several individual course modules. Textbook: Carpentry Finishing & Framing, published by Prentice Hall, is used for the entire course of study.

Full Term Includes: Cold Formed Steel Framing * Drywall Installation * Drywall Finish * Roofing Applications

Carpentry Level 2 Full Term

CRN #C20108
 Date: Tue, 9/30-12/16 6:00 PM-10:00 PM Location: NWCC, Room: 202
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

Carpentry Level 2 Full Term Lane County

CRN #2492
 Date: Tue & Thr 10/1-12/18 First class to meet at LCC on Wed 10/1, from 6 - 10pm. No Class Thr., 11/27; Meet on Tue11/25 from 6 - 10pm Location: LCC, Room: TBA
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

Carpentry Level 3

Carpentry Level 3 is a 144-hour course offered over three 12-week terms and is comprised of several individual course modules. Textbook: Carpentry Level 3, published by Prentice Hall, is used the entire course of study.

Full Term Includes: Rigging Equipment * Rigging Practices * Properties of Concrete * Trenching and Excavating

Carpentry Level 3 Full Term

CRN #C30108
 Date: Wed 10/1-12/17 6:00PM-10:00PM. No class Wed, 11/26. Class will meet Fri, 12/5 6:00PM-10:00PM Location: NWCC, Room: 203
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

Carpentry Level 3 Full Term Lane County

CRN #2493
 Date: Wed, 10/1-12/17 6:00 PM-10:00 PM Location: LCC, Room: TBA
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00



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Carpentry Level 4

Carpentry Level 4 is a 144-hour course offered over three 12-week terms and is comprised of several individual course modules. Textbook: Carpentry Level 4, published by Prentice Hall, is used the entire course of study. Fall term includes: Site Layout One-Distance Measuring and Leveling * Advanced Floor Systems * Advanced Wall Systems

Carpentry Level 4 Full Term

CRN #C40108
Date: Thr, 10/2-12/18 6:00 PM-10:00 PM, No class Thr 11/27, Class will meet Fri, 11/21 6:00 PM-10:00 PM Location: NWCC, Room: 203
Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

Carpentry Level 4 Full Term Lane County

CRN #2496
Date: First class to meet at LCC on W10/1, from 6 - 10pm.; Meets on T/Th 10/2-12/18; No class Th 11/27 Location: LCC, Room: 201
Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

Concrete Finishing Level 3

Concrete Finishing Level 3 is a 144-hour course divided into four, 1-week modules. Students who complete all 4-weeks satisfy the annual apprenticeship requirement for related training. This course is also available to open enrollment students. This course may be taken as a whole (required of apprentices), or by the week.

Concrete Finishing Level 3-1

Topics Covered: Industrial Floors
CRN #CF30108
Date: Mon, Tue, Wed, Thr, 11/3-11/6 7:30 AM-5:00 PM Location: NWCC, Room: SHOP
Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$126.00 Total: \$520.00
Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$180.00 Total: \$596.00

Concrete Finishing Level 3-2

Topics Covered: Superflat Floors
CRN #2595
Date: Mon, Tue, Wed, Thr, 12/8-12/11 7:30 AM-5:00 PM Location: NWCC, Room: 106
Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$126.00 Total: \$520.00
Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$180.00 Total: \$596.00

Concrete Finishing

This program is licensed by the Oregon Department of Education. (OAR 581-045-0033(6)(7))

Concrete Finishing Level 1

Concrete Finishing Level 1 is a 144-hour course divided into four, 1-week modules. Students who complete all 4-weeks satisfy the annual apprenticeship requirement for related training. This course is also available to open enrollment students. This course may be taken as a whole (required of apprentices), or by the week. Textbooks: Core Curriculum and Concrete Finishing, published by Prentice Hall.

Concrete Finishing Level 1-1

Topics Covered: Basic Employability Skills * Intro. To Construction Math * Intro. to Blueprints * Intro. to Hand Tools * Intro. to Power Tools * Tools and Equipment
CRN #CF10108
Date: Mon, Tue, Wed, Thr, 10/20-10/23 7:30 AM-5:00 PM Location: NWCC, Room: 106
Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$149.00 Total: \$543.00
Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$213.00 Total: \$629.00

Concrete Finishing Level 1-2

Topics Covered: Introduction to Concrete Construction and Finishing * Safety Requirements * Basic Rigging * Applied Rigging * Properties of Concrete
CRN #2583
Date: Mon, Tue, Wed, Thr, 12/1-12/4 7:30 AM-5:00 PM Location: NWCC, Room: 106
Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$149.00 Total: \$543.00
Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$213.00 Total: \$629.00

Concrete Finishing Level 2

Concrete Finishing Level 2 is a 144-hour course divided into four, 1-week modules. Students who complete all 4-weeks satisfy the annual apprenticeship requirement for related training. This course is also available to open enrollment students. This course may be taken as a whole (required of apprentices), or by the week. Textbook: Concrete Finishing Level 2, published by Prentice Hall.

Concrete Finishing Level 2-1

Topics Covered: Forming
CRN #CF20108
Date: Mon, Tue, Wed, Thr, 11/3-11/6 7:30 AM-5:00 PM Location: NWCC, Room: SHOP
Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$126.00 Total: \$520.00
Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$180.00 Total: \$596.00

Concrete Finishing Level 2-2

Topics Covered: Site Concrete
CRN #2592
Date: Mon, Tue, Wed, Thr, 12/8-12/11 7:30 AM-5:00 PM Location: NWCC, Room: 106
Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$126.00 Total: \$520.00
Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$180.00 Total: \$596.00

Heavy Equipment Operations

This program is licensed by the Oregon Department of Education. (OAR 581-045-0033(6)(7))

Heavy Equipment Operations Level 1 Full Term

Heavy Equipment Operations, Level 1, Full Term, includes 160 Hours of training divided into four forty-hour weeks. Weekly topics are as follows:
Week One-Basic Employability Skills, Communication Skills, Introduction to Blue Prints, Introduction to Construction Math, Introduction to Hand Tools, Introduction to Power Tools, Basic Rigging
Week Two-Orientation to the Trade, Tractors, Heavy Equipment Safety, Basic Rigging, Applied Rigging, Identification of Heavy Equipment, Tractors
Week Three-Grades, Part One, Basic Operational Techniques (Dozers, Scrapers, Loaders)
Week Four-Basic Operational Techniques (Backhoes, Excavators, and Dump Trucks)
This course is available to open enrollment students. The same book is used for all four weeks.

HED Level 1 Full Term

CRN #2849
Date: Mon, Tue, Wed, Thr, 11/10-12/11 7:30 AM-5:30 PM Class will not meet the week of 11/24-11/27 Location: NWCC, Room: TBA
Member: Tuition: \$1520.00 Lab Fee: \$1716.00 Books: \$149.00 Total: \$3385.00
Non-Member: Tuition: \$1520.00 Lab Fee: \$2452.00 Books: \$213.00 Total: \$4185.00

Heavy Equipment Operations Levels 2, 3 and 4 will be available in the winter schedule.

Heating, Ventilation & Air Conditioning (HVAC)

This program is licensed by the Oregon Department of Education. (OAR 581-045-0033(6)(7))

HVAC Level 1

HVAC Level 1 is the first year of a four year program and meets the standards of apprenticeship. This course is also available to open enrollment students. Textbooks: Core Curriculum and HVAC Level 1, published by Prentice Hall, are used for the entire course of study. This first term includes the following subjects: * Basic Employability Skills * Introduction to HVAC * Introduction to Construction Math * Trade Mathematics * Basic Rigging * Introduction to Blueprints * Copper and Plastic Pipe fittings.

HVAC Level 1 Full Term

CRN #HV10108
Date: Tue, 9/30-12/16 6:00 PM-10:00 PM Location: NWCC, Room: 107 & LAB
Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$149.00 Total: \$654.00
Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$213.00 Total: \$739.00

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HVAC Level 2

HVAC Level 2 is the second year of a four year program and meets the standards of apprenticeship. This course is also available to open enrollment students. Textbooks: HVAC Level 2, published by Prentice Hall, is used for the entire course of study.
 Fall Term Includes: Commercial Airside Systems * Air Quality Equipment * Chimneys, Vents, and Flues * Introduction to Hydronic Systems * Leak Detection, Evacuation, Recovery, and Charging

HVAC Level 2 Full Term

CRN #HV20108
 Date: Wed, 10/1-12/17 5:30pm-9:30pm, except W11/26, rescheduled to F12/5 5:30-9:30. Location: NWCC, Room: 107 & LAB
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

HVAC Level 3

HVAC Level 3 is the third year of a four year program and meets the standards of apprenticeship. This course is also available to open enrollment students. Textbooks: HVAC Level 3, published by Prentice Hall, is used for the entire course of study.
 Fall Term Includes: Refrigerants and Oils * Compressors * Metering Devices * Retail Refrigeration

HVAC Level 3 Full Term

CRN #HV30108
 Date: Thu, 9/29-12/18 6:00 PM-10:00 PM, No class Thu, 11/27, Class will meet Fri, 11/21 Location: NWCC, Room: 107 & LAB
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

HVAC Level 4

HVAC Level 4 is the fourth year of a four year program and meets the standards of apprenticeship. This course is also available to open enrollment students. Textbook: HVAC Level 4, published by Prentice Hall, is used for the entire course of study.
 Fall Term Includes: Construction Drawings and Specifications * Indoor Air Quality * Energy Conservation Equipment * Water Treatment

HVAC Level 4 Full Term

CRN #HV40108
 Date: Mon, 9/29-12/15 6:00 PM-10:00 PM Location: NWCC, Room: 107 & LAB
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$126.00 Total: \$631.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$180.00 Total: \$706.00

Jump Start ★

Courses in this category are offered for the purpose of continuing education and/or self-improvement and do not require Oregon Department of Education licensure. (OAR 581-045-0019(e))

Jump Start is a 7-day pre-career/pre-apprenticeship course for individuals with no construction experience designed to "jump start" their careers. Some of NWCC's apprenticeship programs require successful completion of this course to qualify for entry into the apprenticeship program. This course includes: OSHA 10-Hour Certification * Introduction to Construction Math * Introduction to Hand Tools * Introduction to Power Tools * Introduction to Blueprints * First Aid/CPR Certification * Flagging Certification

Jump Start

CRN #2641
 Date: Mon, Tue, Wed, Thu, Fri, Sat, 9/12-9/19 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$425.00 Lab Fee: \$9.00 Books: \$66.00 Total: \$500.00
 Non-Member: Tuition: \$425.00 Lab Fee: \$18.00 Books: \$94.00 Total: \$537.00

Jump Start

CRN #2643
 Date: Mon, Tue, Wed, Thu, Fri, Sat, 10/10-10/17 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$425.00 Lab Fee: \$9.00 Books: \$66.00 Total: \$500.00
 Non-Member: Tuition: \$425.00 Lab Fee: \$18.00 Books: \$94.00 Total: \$537.00

Jump Start

CRN #2644
 Date: Mon, Tue, Wed, Thu, Fri, Sat, 11/14-11/21 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$425.00 Lab Fee: \$9.00 Books: \$66.00 Total: \$500.00
 Non-Member: Tuition: \$425.00 Lab Fee: \$18.00 Books: \$94.00 Total: \$537.00

Construction Craft Laborers

This program is licensed by the Oregon Department of Education. (OAR 581-045-0033(6)(7))

Laborers Level 1

Construction Craft Laborers Level 1 is a 144-hour course that meets the annual requirement of related training for registered apprentices. The class is offered over three 12-week terms and is comprised of several individual course modules. The course is designed for students with little or no construction background or as a review of basic subjects for those working in the industry or with some previous construction related training or education. Tuition, book, and lab fees are paid for registered apprentices by the apprenticeship committee.
 Topics Covered: Basic Employability Skills * Orientation to the Trade (Carpentry) * Building Materials * Introduction to Hand Tools * Introduction to Power Tools * Hand and Power Tools * Introduction to Construction Math

Laborers Level 1 Full Term

CRN #L10108
 Date: Tue, 9/30-12/16 6:00 PM-10:00 PM Location: NWCC, Room: 203
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$149.00 Total: \$654.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$213.00 Total: \$739.00

Laborers Level 2 ★

Construction Craft Laborers Level 2 is a 144-hour course that meets the annual requirement of related training for registered apprentices. The class is offered over three, 12-week terms and is comprised of several individual course modules. Tuition, book, and lab fees are paid for registered apprentices by the apprenticeship committee.
 Topics Covered: Introduction to Concrete Construction & Finishing * Safety Requirements * HAZMAT Emergency Response * Confined Space Entry * Competent Person, Trenching and Excavation * Introductory Skills for the Crew Leader

Laborers Level 2 Full Term

CRN #L20108
 Date: Mon, 9/29-12/15 6:00 PM-10:00 PM Location: NWCC, Room: 202
 Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$143.00 Total: \$648.00
 Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$204.00 Total: \$730.00

Masonry

This program is licensed by the Oregon Department of Education. (OAR 581-045-0033(6)(7))

Masonry Level 1

Masonry Level 1 is a 144-hour course divided into four, 1-week modules. Students who complete all 4-weeks satisfy the annual apprenticeship requirement for related training. This course is also available to open enrollment students. Tuition, book, and lab fees are paid for registered apprentices by the apprenticeship committee. This course may be taken as a whole (required of apprentices), or by the week.
 Textbooks: Core Curriculum and Brick Masonry Level 1, published by Prentice Hall.

Masonry Level 1-1

Topics Covered: Basic Employability Skills * Introduction to Construction Math * Introduction to Hand Tools * Introduction to Power Tools * Masonry Tools and Equipment
 CRN #2645
 Date: Mon, Tue, Wed, Thu, 10/20-10/23 7:30 AM-5:00 PM Location: NWCC, Room: 203
 Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$149.00 Total: \$543.00
 Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$213.00 Total: \$629.00

Masonry Level 1-2

Topics Covered: Introduction to Masonry * Basic Rigging * Applied Rigging * Masonry Tools and Equipment
 Date: Mon, Tue, Wed, Thu, 11/17-11/20 7:30 AM-5:00 PM Location: NWCC, Room: 203
 Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$149.00 Total: \$543.00
 Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$213.00 Total: \$629.00

Masonry Level 2

Masonry Level 2 is a 144-hour course divided into four, 1-week modules. Students who complete all 4-weeks satisfy the annual apprenticeship requirement for related training. This course is also available to open enrollment students. Tuition, book, and lab fees are paid for registered apprentices by the apprenticeship committee. This course may be taken as a whole (required of apprentices), or by the week.
 Textbooks: Brick Masonry Level 2, published by Prentice Hall.

Masonry Level 2-1

Topics Covered: Residential Plans and Drawing Interpretation * Residential Masonry
 CRN #2656
 Date: Mon, Tue, Wed, Thu, 10/27-10/30 7:30 AM-5:00 PM Location: NWCC, Room: 203
 Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$126.00 Total: \$520.00
 Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$180.00 Total: \$596.00

Masonry Level 3

Masonry Level 3 is a 144-hour course divided into four, 1-week modules. Students who complete all 4-weeks satisfy the annual apprenticeship requirement for related training. This course is also available to open enrollment students. Tuition, book, and lab fees are paid for registered apprentices by the apprenticeship committee. This course may be taken as a whole (required of apprentices), or by the week.
 Textbooks: Brick Masonry Level 3, published by Prentice Hall.

Masonry Level 3-1

CRN #2659
 Date: Mon, Tue, Wed, Thu, 11/10-11/13 7:30 AM-5:00 PM Location: NWCC, Room: 203
 Member: Tuition: \$342.00 Lab Fee: \$52.00 Books: \$126.00 Total: \$520.00
 Non-Member: Tuition: \$342.00 Lab Fee: \$74.00 Books: \$180.00 Total: \$596.00

Sheet Metal

This program is licensed by the Oregon Department of Education. (OAR 581-045-0033(6)(7))

Sheet Metal Level 1

Sheet Metal Level 1 is the first year of a four year program and meets the standards of apprenticeship. This course is also available to open enrollment students. Textbooks: Core Curriculum and Sheet Metal Level 1, published by Prentice Hall.
 Fall Term Includes: Basic Safety * Basic Employability Skills * Introduction to Sheet Metal Trade * Introduction to Hand Tools * Introduction to Power Tools * Tools of the Trade * Introduction to Construction Math * Introduction to Sheet Metal Layout and Processes

Sheet Metal Level 1 Full Term

CRN #SM10108
 Date: Mon, 9/25-12/15 5:30 PM-10:00 PM Location: NWCC, Room: 101
 Member: Tuition: \$541.50 Lab Fee: \$82.00 Books: \$149.00 Total: \$772.50
 Non-Member: Tuition: \$541.50 Lab Fee: \$117.00 Books: \$213.00 Total: \$871.50

Sheet Metal Level 2

Sheet Metal Level 2 is the second year of a four year program and meets the standards of apprenticeship. Textbooks: Sheet Metal Level 2, published by Prentice Hall.
 Topics Covered: Chimneys, Vents and Flues * Fabrication Two: Radial Line Development * Air Quality Equipment

Sheet Metal Level 2 Full Term

CRN #SM20108
 Date: Tue, 9/25-12/16 5:30 PM-10:00 PM Location: NWCC, Room: 101
 Member: Tuition: \$707.00 Lab Fee: \$107.00 Books: \$126.00 Total: \$940.00
 Non-Member: Tuition: \$707.00 Lab Fee: \$153.00 Books: \$180.00 Total: \$1040.00

Sheet Metal Level 3

Sheet Metal Level 3 is the third year of a four year program and meets the standards of apprenticeship. This course is also available to open enrollment students. Textbooks: Sheet Metal Level 3, published by Prentice Hall, is used for the fall, winter, and spring terms.

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2008 Fall Schedule

Topics Covered: Trade Math Three: Field Measuring and Fitting * Air Systems * Principles of Refrigeration * Principles of Air Flow

Sheet Metal Level 3 Full Term

CRN #SM30108
Date: Wed, 9/25-12/17 5:30 PM-10:00 PM. No class Wed, 11/26. Class will meet Fri, 12/5 Location: NWCC, Room: 101
Member: Tuition: \$541.00 Lab Fee: \$82.00 Books: \$126.00 Total: \$749.00
Non-Member: Tuition: \$541.00 Lab Fee: \$117.00 Books: \$180.00 Total: \$838.00

Sheet Metal Level 4

Sheet Metal Level 4 is the fourth year of a four year program and meets the standards of apprenticeship. This course is also available to open enrollment students. Textbooks: Sheet Metal Level 4, published by Prentice Hall, is used for the fall, winter, and spring terms. Topics Covered: Shop Production and Organization * Air Balance

Sheet Metal Level 4 Full Term

CRN #SM40108
Date: Thr, 9/25-12/18 5:30 PM-10:00 PM. No class Thr 11/27. Class will meet Fri 11/21 Location: NWCC, Room: 101 Location: NWCC, Room: 128
Member: Tuition: \$541.00 Lab Fee: \$82.00 Books: \$126.00 Total: \$749.00
Non-Member: Tuition: \$541.00 Lab Fee: \$117.00 Books: \$180.00 Total: \$838.00

Tile Finishing

Courses in this category are offered for the purpose of continuing education and/or self-improvement and do not require Oregon Department of Education licensure. (OAR 581-045-0019(e))

The Tile Finishing program consists of nine modules. This program has been approved and endorsed by the National Tile Contractors Association. The curriculum is comprised of several sources including OSHA, the National Center for Construction Education and Research, the National Tile Contractors Association, and the book Setting Tile by Michael Byrne. Modules may be taken independently for purposes of professional development, and may be utilized in the process of Career Development, provided all the prerequisites are met. Topics Covered: First Aid/CPR * Communication Skills and Employability skills for the Tile Finishing professional * Hand and Power Tools and Masonry Tools and Equipment for the Tile Finishing professional * Trade Safety * Stationary Scaffolds * Setting Materials. This course is open to NWCC registered apprentices and current trade workers only.

Tile Finishing Full Term

This course introduces experienced trade workers and registered apprentices hands-on training taught by an experienced, certified, instructor. Topics Covered: First Aid/CPR * Communication Skills and Employability skills for the Tile Finishing professional * Hand and Power Tools and Masonry Tools and Equipment for the Tile Finishing professional * Trade Safety * Stationary Scaffolds * Setting Materials. This course is open to NWCC registered apprentices and current trade workers only.
CRN #2832
Date: Fri, Sat, 10/17-12/13 8:00 AM-4:30 PM Location: Room: TBA
Member: Tuition: \$380.00 Lab Fee: \$57.00 Books: \$186.00 Total: \$623.00
Non-Member: Tuition: \$380.00 Lab Fee: \$82.00 Books: \$266.00 Total: \$728.00

Tile Setting

Courses in this category are offered for the purpose of continuing education and/or self-improvement and do not require Oregon Department of Education licensure. (OAR 581-045-0019(e))

Tile Setting Level 1

Tile Setting is the first year of a three year program designed to give participants a working knowledge of the art and science of Tile Setting. The entire program consists of nine modules. This program has been approved and endorsed by the National Tile Contractors Association. Textbooks: Craft Training for the Tile Professional-Apprentice 1 (CTTP), Craft Training for the Tile Professional-Apprentice 1a (CTTP). This course is open to NWCC registered apprentices and current trade workers only.

Tile Setting Level 1 Full Term

This course introduces experienced trade workers and registered apprentices hands-on training taught by an experienced, certified, instructor. Topics Covered: Personal Protective Equipment * Responsibilities of the Apprentice Tile Setter * Lifting Basics * Material Safety Data Sheets: The Basics * Dry-set Mortar or Latex Portland Cement Mortar, Floors Exterior * Dry-set Mortar or Latex Portland Cement Mortar, Floors Interior * Reading and Understanding Material Safety Data Sheets * Ceramic Tile Finishes, Sizes and Shapes * Material Handling * Organic Adhesive over Wood Subfloors, Interior Residential Traffic * Dry-set Mortar or Latex Portland Cement Mortar over Cementitious Backer Units on Plywood Subfloor, Floors Interior * Ceramic Tile in History * Ceramic Tile in Construction * Dry-set Mortar or Latex Portland Cement Mortar over Cementitious Back Units on Plywood Subfloor, Floors Interior * Organic Adhesive Over Solid Backing, Interior Walls. This course is open to NWCC registered apprentices and current trade workers only.

CRN #TS10108

Date: Fri, Sat, 10/10-11/10 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$43.00 Total: \$548.00
Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$62.00 Total: \$588.00

Tile Setting Level 2

Tile Setting Level 2 is the second year of a three year program designed to give participants a working knowledge of the art and science of Tile Setting. The entire program consists of nine modules. This program has been approved and endorsed by the National Tile Contractors Association. Textbooks: Craft Training for the Tile Professional-Apprentice 2 (CTTP), Craft Training for the Tile Professional-Apprentice 2a (CTTP). This course is open to NWCC registered apprentices and current trade workers only.

Tile Setting Level 2 Full Term

Topics Covered: Responsibilities of the Apprentice Tile Setter * Material Safety Data Sheets: The Basics * Reading and Understanding MSDS's * Cement Mortar over Wood Subfloor, Floors Interior * Cement Mortar Bonded over Concrete Slab, Floors Exterior * Using Ladders and Scaffolding Safely * Using Power Tools Safely * Cement Mortar over Concrete or Masonry, Walls Interior and Exterior * Cement Mortar Bonded to Concrete or Masonry, Walls Interior and Exterior * Fire Safety on the Job Site * Effective Communication: Surviving Evaluations * Cement Mortar over Solid Backing, Walls Interior * Cement Mortar over Solid Backing, Walls Interior. This course is open to NWCC registered apprentices and current trade workers only.

CRN #2687

Date: Fri, Sat, 10/17-12/13 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$43.00 Total: \$548.00
Non-Member: Tuition: \$456.00 Lab Fee: \$170.00 Books: \$62.00 Total: \$688.00

Tile Setting Level 3

Tile Setting Level 3 is the third year of a three year program designed to give participants a working knowledge of the art and science of Tile Setting. The entire program consists of nine modules. This program has been approved and endorsed by the National Tile Contractors Association. Textbooks: Craft Training for the Tile Professional-Apprentice 3 (CTTP), Craft Training for the Tile Professional-Apprentice 3a (CTTP). This course is open to NWCC registered apprentices and current trade workers only.

Tile Setting Level 3 Full Term

Topics Covered: Responsibilities of the Apprentice Tile Setter * Cement Mortar over Concrete Subfloors with epoxy or Furan Grout, Floors Interior * Thinsset with Waterproof Membrane, Floors Interior * Personal Protective Equipment Review * Protective Equipment You Need * Reinforced Cement Mortar Bed over Filter Fabric, Drainage Layer, and Roof Membrane, Roofs and Decks, Exterior * Cement Mortar over Concrete, Metal, or Wood Stairs, Interior or Exterior * Lifting Review * Ceramic Tile on Ceilings and Soffits over a Mortar Bed, CBU's, Concrete or Masonry, or Lath Attached to Wood Joists * Ceramic Tile on Ceilings and Soffits on Gypsum Board over Wood or Metal Framing. This course is open to NWCC registered apprentices and current trade workers only.

CRN #2688

Date: Fri, Sat, 10/10-12/6 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$43.00 Total: \$548.00
Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$62.00 Total: \$588.00

CONTINUING EDUCATION

Continuing Education courses are designed for experienced trades people with three or more years field experience. Basic Construction Math skills are required. Prerequisites, their equivalent, or instructor approval, are required as specified within each course description. When appropriate hands-on application of principles and procedures takes place in a safe shop environment. Instructors are seasoned veterans currently working in their field and are certified by the National Center for Construction Education and Research.

Courses in this category are offered for the purpose of continuing education and/or self-improvement and do not require Oregon Department of Education licensure. (OAR 581-045-0019(e))

Building Envelope

Best Practices for Installation of Windows and Doors - The 2-day Window & Door Seminar is the first in a projected series of Building Envelope Certification programs offered by NWCC designed to provide "best practices" in effective methods for control of moisture intrusion into residential buildings.

These courses are targeted to experienced trades workers and contractors involved with installation of products to the exterior (building envelope) of single and multi-family residences. Curriculum is designed and in keeping with the latest industry standards, legislation, building codes, and manufacturers' installation recommendations. This course will help you and/or your company standardize building practices, meet the demands of consumers and potentially reduce your risk and insurance costs.

Building Envelope

CRN #2810
Date: Fri & Sat 9/12 & 9/13, Fri, 8:00 AM-5:00 PM, Sat, 8:00 AM-1:00 PM Location: NWCC, Room: 202
Member: Tuition: \$198.00 Lab Fee: \$26.00 Books: \$93.00 Total: \$317.00
Non-Member: Tuition: \$198.00 Lab Fee: \$37.00 Books: \$132.00 Total: \$367.00

Building Envelope

CRN #2811
Date: Fri & Sat 10/3 & 10/4, Fri, 8:00 AM-5:00 PM, Sat, 8:00 AM-1:00 PM Location: NWCC, Room: 202
Member: Tuition: \$198.00 Lab Fee: \$26.00 Books: \$93.00 Total: \$317.00
Non-Member: Tuition: \$198.00 Lab Fee: \$37.00 Books: \$132.00 Total: \$367.00

Building Envelope

CRN #2812
Date: Fri & Sat 11/7 & 11/8, Fri, 8:00 AM-5:00 PM, Sat, 8:00 AM-1:00 PM Location: NWCC, Room: 202
Member: Tuition: \$198.00 Lab Fee: \$26.00 Books: \$93.00 Total: \$317.00
Non-Member: Tuition: \$198.00 Lab Fee: \$37.00 Books: \$132.00 Total: \$367.00

Carpentry

Drywall Installation and Finish Techniques


Describes the various types of gypsum drywall, their uses, and the fastening devices and methods used to install them. Contains detailed instructions for installing drywall on walls and ceilings using nails, drywall screws, and adhesives. Also covers fire- and sound-rated walls. Covers the materials, tools, and methods used to finish and patch gypsum drywall. Includes coverage of both automatic and manual taping and finishing tools.
CRN #C30108L

Date: Tue, 10/14-11/18 6:00 PM-10:00 PM Location: NWCC, Room: 203
Member: Tuition: \$228.00 Lab Fee: \$35.00 Books: \$126.00 Total: \$379.00
Non-Member: Tuition: \$228.00 Lab Fee: \$50.00 Books: \$180.00 Total: \$458.00

Basic Site Layout

Covers the equipment, principles, and methods used to perform distance measurement and leveling. Also covers the layout responsibilities of surveyors, field engineers, and carpenters; interpretation and use of site/plot plan drawings; and methods use for on-site communication.
CRN #2506

Date: Thr, 10/2-10/23 6:00 PM-10:00 PM Location: NWCC, Room: 202
Member: Tuition: \$152.00 Lab Fee: \$23.00 Books: \$126.00 Total: \$301.00
Non-Member: Tuition: \$152.00 Lab Fee: \$33.00 Books: \$180.00 Total: \$365.00







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- 3D MODELING
- TOTAL STATION/GPS LAYOUT
- GPS GRADE CONTROL



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Crew Leadership

This 16-hour course teaches the basic leadership skills required to supervise personnel. It discusses principles of project planning, scheduling, estimating, management, and presents several case studies for CRN #2788.

Date: Fri, Sat, 10/17-10/18 8:00 AM-4:30 PM Location: Room: TBA
 Member: Tuition: \$152.00 Books: \$57.00 Total: \$209.00
 Non-Member: Tuition: \$152.00 Books: \$81.00 Total: \$233.00

GPS Surveying Systems

GPS Surveying: Procedures and Practice

This class familiarizes participants with GPS Surveying Systems and their utilization with Heavy Equipment. Topics include: Fundamentals of GPS-, Fundamentals of Pocket 3D w/class & field exercises, Introduction to Topcon Software, Topcon 3D Machine Control and an overview of Add-On Components.

CRN #2741
 Date: Mon, Tue, 11/3-11/4 8:00 AM-4:30 PM Location: Room: TBA
 Member: Tuition: \$400.00 Lab Fee: \$235.00 Total: \$635.00
 Non-Member: Tuition: \$400.00 Lab Fee: \$336.00 Total: \$736.00

Heavy Equipment Operations

HEO Level 1-3

Topics Covered: Grades, Part One * Basic Operational Techniques (Dozers, Scrapers, Loaders)

CRN #2744
 Date: Mon, Tue, Wed, Thr, 12/1-12/4 - Location: NWCC, Room: TBA
 Member: Tuition: \$840.00 Lab Fee: \$429.00 Books: \$149.00 Total: \$1418.00
 Non-Member: Tuition: \$840.00 Lab Fee: \$613.00 Books: \$213.00 Total: \$1666.00

HEO Level 1-4

Topics Covered: Basic Operational Techniques (Backhoes, Excavators, and Dump Trucks) * Equipment Rodeo

CRN #2745
 Date: Mon, Tue, Wed, Thr, 12/8-12/11 - Location: NWCC, Room: TBA
 Member: Tuition: \$840.00 Lab Fee: \$429.00 Books: \$149.00 Total: \$1418.00
 Non-Member: Tuition: \$840.00 Lab Fee: \$613.00 Books: \$213.00 Total: \$1666.00

Heating, Ventilation & Air Conditioning (HVAC)

Commercial Airside Systems

Describes the systems, equipment, and operating sequences used in a variety of commercial airside system configurations, such as constant volume single-zone and multi-zone, VAV, VAV, and dual-duct VAV.

CRN #2623
 Date: Wed, 10/1-10/15 5:30 PM-9:30 PM Location: NWCC, Room: LAB
 Member: Tuition: \$114.00 Lab Fee: \$17.50 Books: \$126.00 Total: \$257.50
 Non-Member: Tuition: \$114.00 Lab Fee: \$25.00 Books: \$180.00 Total: \$319.00

Introduction to Hydronic Systems

Introduces hot water heating systems, focusing on safe operation of the low-pressure boilers and piping systems commonly used in residential applications.

CRN #2627
 Date: Wed, 11/5-11/12 5:30 PM-9:30 PM Location: NWCC, Room: LAB
 Member: Tuition: \$76.00 Lab Fee: \$11.00 Books: \$126.00 Total: \$213.00
 Non-Member: Tuition: \$76.00 Lab Fee: \$16.00 Books: \$180.00 Total: \$272.00

Construction Drawings and Specifications

Discusses techniques for reading and using blueprints, specifications, and shop drawings. Refers to blueprints from the Core Curriculum.

CRN #2633
 Date: Mon, 9/29-10/20 6:00 PM-10:00 PM Location: NWCC, Room: LAB
 Member: Tuition: \$152.00 Lab Fee: \$23.00 Books: \$126.00 Total: \$301.00
 Non-Member: Tuition: \$152.00 Lab Fee: \$33.00 Books: \$180.00 Total: \$365.00

Energy Conservation Equipment

Introduces the trainees to various heat recovery/reclaim devices and other energy reduction and recovery apparatus.

CRN #2635
 Date: Mon, 11/17-12/1 6:00 PM-10:00 PM Location: NWCC, Room: LAB
 Member: Tuition: \$114.00 Lab Fee: \$17.50 Books: \$126.00 Total: \$257.50
 Non-Member: Tuition: \$114.00 Lab Fee: \$25.00 Books: \$180.00 Total: \$319.00

Indoor Air Quality

Introduces indoor air quality and its effect on the health and comfort of building occupants. Provides guidelines for performing a building IAQ survey and identifies equipment and methods used to test for and achieve good indoor air quality.

CRN #2634
 Date: Mon, 10/27-11/10 6:00 PM-10:00 PM Location: NWCC, Room: LAB
 Member: Tuition: \$114.00 Lab Fee: \$17.50 Books: \$126.00 Total: \$257.50
 Non-Member: Tuition: \$114.00 Lab Fee: \$25.00 Books: \$180.00 Total: \$319.00

Light Equipment Training ★

Aerial Boom and Scissor Lift Training

This five hour course familiarizes participants to the safe and efficient use of both Aerial Boom and Scissor Lifts, utilizing a nationally recognized curriculum, combined with hands-on training. Aerial Boom and Scissor Lift certification cards are issued to successful completers.

Aerial Boom and Scissor Lift Training

CRN #2794
 Date: Wed, 9/3, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$147.00 Total: \$147.00
 Non-Member: Tuition: \$147.00 Total: \$147.00

Aerial Boom and Scissor Lift Training

CRN #2795
 Date: Tue, 10/7, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$147.00 Total: \$147.00
 Non-Member: Tuition: \$147.00 Total: \$147.00

Aerial Boom and Scissor Lift Training

CRN #2796
 Date: Tue, 11/4, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$147.00 Total: \$147.00
 Non-Member: Tuition: \$147.00 Total: \$147.00

Aerial Boom and Scissor Lift Training

CRN #2797
 Date: Tue, 12/2, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$147.00 Total: \$147.00
 Non-Member: Tuition: \$147.00 Total: \$147.00

Boom Truck Training

This sixteen hour course familiarizes participants to the safe and efficient use of Boom Trucks utilizing a nationally recognized curriculum, combined with hands-on training. Boom Truck certification cards are issued to successful completers.

Boom Truck Training

CRN #2806
 Date: Fri, Sat, 9/12-9/13 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$297.00 Total: \$297.00
 Non-Member: Tuition: \$297.00 Total: \$297.00

Boom Truck Training

CRN #2807
 Date: Fri, Sat, 10/10-10/11 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$297.00 Total: \$297.00
 Non-Member: Tuition: \$297.00 Total: \$297.00

Boom Truck Training

CRN #2808
 Date: Fri, Sat, 11/7-11/8 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$297.00 Total: \$297.00
 Non-Member: Tuition: \$297.00 Total: \$297.00

Boom Truck Training

CRN #2809
 Date: Fri, Sat, 12/5-12/6 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$297.00 Total: \$297.00
 Non-Member: Tuition: \$297.00 Total: \$297.00

Counterbalanced Forklift Training

This five hour course familiarizes participants to the safe and efficient use of a counterbalanced forklift utilizing a nationally recognized curriculum, combined with hands-on training. Counterbalanced Forklift certification cards are issued to successful completers.

Counterbalanced Forklift Training

CRN #2790
 Date: Tue, 9/2, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$137.00 Total: \$137.00
 Non-Member: Tuition: \$137.00 Total: \$137.00

Counterbalanced Forklift Training

CRN #2791
 Date: Mon, 10/6, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$137.00 Total: \$137.00
 Non-Member: Tuition: \$137.00 Total: \$137.00

Counterbalanced Forklift Training

CRN #2792
 Date: Mon, 11/3, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$137.00 Total: \$137.00
 Non-Member: Tuition: \$137.00 Total: \$137.00

Counterbalanced Forklift Training

CRN #2793
 Date: Mon, 12/1, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$137.00 Total: \$137.00
 Non-Member: Tuition: \$137.00 Total: \$137.00

Rough-Terrain Forklift Training

This eight hour course familiarizes participants to the safe and efficient use of Rough-Terrain Forklifts utilizing a nationally recognized curriculum, combined with hands-on training. Rough-Terrain Forklift certification cards are issued to successful completers.

Rough-Terrain Forklift Training

CRN #2803
 Date: Thr, 9/5, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$216.00 Total: \$216.00
 Non-Member: Tuition: \$216.00 Total: \$216.00

Rough-Terrain Forklift Training

CRN #2804
 Date: Thr, 10/9, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$216.00 Total: \$216.00
 Non-Member: Tuition: \$216.00 Total: \$216.00

Rough-Terrain Forklift Training

CRN #2805
 Date: Thr, 11/6, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$216.00 Total: \$216.00
 Non-Member: Tuition: \$216.00 Total: \$216.00

Rough-Terrain Forklift Training

CRN #2802
 Date: Thr, 12/4, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
 Member: Tuition: \$216.00 Total: \$216.00
 Non-Member: Tuition: \$216.00 Total: \$216.00

Skid-Steer Loader Training

This six hour course familiarizes participants to the safe and efficient use of skid-steer loaders utilizing a nationally recognized curriculum, combined with hands-on training. Skid-Steer Loader certification cards are issued to successful completers.

Skid-Steer Loader Training

CRN #2798
 Date: Wed, 9/4, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$152.00 Total: \$152.00
 Non-Member: Tuition: \$152.00 Total: \$152.00

Skid-Steer Loader Training

CRN #2799
 Date: Wed, 10/8, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$152.00 Total: \$152.00
 Non-Member: Tuition: \$152.00 Total: \$152.00

Skid-Steer Loader Training

CRN #2800
 Date: Wed, 11/5, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$152.00 Total: \$152.00
 Non-Member: Tuition: \$152.00 Total: \$152.00

Skid-Steer Loader Training

CRN #2801
 Date: Wed, 12/3, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$152.00 Total: \$152.00
 Non-Member: Tuition: \$152.00 Total: \$152.00

Masonry

Residential Masonry

Covers the construction techniques for residential and small structure foundations, steps, patios, decks, chimneys, and fireplaces. Work activities that the mason must perform as well as those that tie into the masonry work are described.

CRN #2661
 Date: Mon, Tue, 10/27-10/28 7:30 AM-5:00 PM Location: NWCC, Room: 203
 Member: Tuition: \$171.00 Lab Fee: \$26.00 Books: \$126.00 Total: \$323.00
 Non-Member: Tuition: \$171.00 Lab Fee: \$37.00 Books: \$180.00 Total: \$388.00

Masonry Repair and Restoration

Explains the most common problems that appear in masonry structures and describes various techniques that can be used to repair them. Repair activities include tuckpointing, brick replacement, crack sealing, waterproofing, and stain removal.

CRN #2666
 Date: Wed, Thr, 11/12-11/13 7:30 AM-5:00 PM Location: NWCC, Room: 203
 Member: Tuition: \$171.00 Lab Fee: \$26.00 Books: \$126.00 Total: \$323.00
 Non-Member: Tuition: \$171.00 Lab Fee: \$37.00 Books: \$180.00 Total: \$388.00

Sheet Metal

Radial Line Development

Introduces trainees to the principles of radial line development that are used to determine layouts for sheet metal fittings. Includes practice layout and fabrication tasks that allow trainees to develop and demonstrate their skills.

CRN #2701
 Date: Tue, 9/30-10/16 5:30 PM-10:00 PM Location: NWCC, Room: 101
 Member: Tuition: \$513.00 Lab Fee: \$78.00 Books: \$149.00 Total: \$740.00
 Non-Member: Tuition: \$513.00 Lab Fee: \$111.00 Books: \$213.00 Total: \$837.00

NORTHWEST COLLEGE OF CONSTRUCTION

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2008 Fall Schedule

Field Measuring and Fitting

Describes the techniques used for field measuring and layout of ductruns and fittings. Also provides practice field measuring problems.

CRN #2705
Date: Wed, 10/1-10/15 5:30 PM-10:00 PM Location: NWCC, Room: 101
Member: Tuition: \$128.00 Lab Fee: \$20.00 Books: \$126.00 Total: \$274.00
Non-Member: Tuition: \$128.00 Lab Fee: \$28.00 Books: \$180.00 Total: \$336.00

Air Balance

Describes how to balance air distribution systems so that the right amount of air is correctly distributed at the proper velocities and returned to the heating and cooling units. Reviews the tools and techniques used for adjusting fans, volume dampers, registers, and grilles.

CRN #2712
Date: Thr, 11/13-12/18 5:30 PM-10:00 PM, No class 11/27, Class will meet on Fri, 11/21 Location: , Room: TBA Location: NWCC, Room: 128
Member: Tuition: \$228.00 Lab Fee: \$34.00 Books: \$126.00 Total: \$388.00
Non-Member: Tuition: \$228.00 Lab Fee: \$49.00 Books: \$180.00 Total: \$457.00

Tile Finishing

Tile Finishers 1-2

Topics Covered: Hand and Power Tools and Masonry Tools and Equipment for the Tile Finishing professional. This course is open to NWCC registered apprentices and current trade workers only.

CRN #2752
Date: Fri, Sat, 11/14-11/15 8:00 AM-4:30 PM Location: , Room: TBA
Member: Tuition: \$152.00 Lab Fee: \$23.00 Books: \$51.00 Total: \$226.00
Non-Member: Tuition: \$152.00 Lab Fee: \$33.00 Books: \$73.00 Total: \$258.00

Welding

Basic Field Welding

This twelve week program is designed to introduce students to practical applications of welding in a comfortable, safe environment. This course describes the preparation and setup of arc welding equipment and the process of striking an arc. It also explains how to detect and correct arc blow and describes how to make stringer, weave, overlapping beads, and fillet welds.

CRN #2819
Date: Mon, 9/29-12/15 6:00 PM-10:00 PM Location: , Room: TBA
Member: Tuition: \$456.00 Lab Fee: \$49.00 Books: \$51.00 Total: \$556.00
Non-Member: Tuition: \$456.00 Lab Fee: \$70.00 Books: \$73.00 Total: \$599.00

ELECTIVE SKILLS

Elective Skills courses are for personal enrichment and designed for individuals with little or no experience in the field. Basic Construction Math skills are assumed, however, no prerequisites are required. When appropriate hands-on application of principles and procedures takes place in a safe shop environment. Instructors are seasoned veterans currently working in their field and are certified by the National Center for Construction Education and Research

Carpentry

Drywall Installation and Finish Techniques

Describes the various types of gypsum drywall, their uses, and the fastening devices and methods used to install them. Contains detailed instructions for installing drywall on walls and ceilings using nails, drywall screws, and adhesives. Also covers fire- and sound-rated walls. Covers the materials, tools, and methods used to finish and patch gypsum drywall. Includes coverage of both automatic and manual taping and finishing tools.

CRN #C30108L
Date: Tue, 10/14-11/11 6:00 PM-10:00 PM Location: NWCC, Room: 203
Member: Tuition: \$190.00 Lab Fee: \$29.00 Books: \$126.00 Total: \$345.00
Non-Member: Tuition: \$190.00 Lab Fee: \$41.00 Books: \$180.00 Total: \$411.00

Light Equipment Training ★

Aerial Boom and Scissor Lift Training

This five hour course familiarizes participants to the safe and efficient use of both Aerial Boom and Scissor Lifts, utilizing a nationally recognized curriculum, combined with hands-on training. Aerial Boom and Scissor Lift certification cards are issued to successful completers.

Aerial Boom and Scissor Lift Training

CRN #2794
Date: Wed, 9/3, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$147.00 Total: \$147.00
Non-Member: Tuition: \$147.00 Total: \$147.00

Aerial Boom and Scissor Lift Training

CRN #2795
Date: Tue, 10/7, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$147.00 Total: \$147.00
Non-Member: Tuition: \$147.00 Total: \$147.00

Aerial Boom and Scissor Lift Training

CRN #2796
Date: Tue, 11/4, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$147.00 Total: \$147.00
Non-Member: Tuition: \$147.00 Total: \$147.00

Aerial Boom and Scissor Lift Training

CRN #2797
Date: Tue, 12/2, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$147.00 Total: \$147.00
Non-Member: Tuition: \$147.00 Total: \$147.00

Boom Truck Training ★

This sixteen hour course familiarizes participants to the safe and efficient use of Boom Trucks utilizing a nationally recognized curriculum, combined with hands-on training. Boom Truck certification cards are issued to successful completers.

Boom Truck Training

CRN #2806
Date: Fri, Sat, 9/12-9/13 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$297.00 Total: \$297.00
Non-Member: Tuition: \$297.00 Total: \$297.00

Boom Truck Training

CRN #2807
Date: Fri, Sat, 10/10-10/11 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$297.00 Total: \$297.00
Non-Member: Tuition: \$297.00 Total: \$297.00

Boom Truck Training

CRN #2808
Date: Fri, Sat, 11/7-11/8 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$297.00 Total: \$297.00
Non-Member: Tuition: \$297.00 Total: \$297.00

Boom Truck Training

CRN #2809
Date: Fri, Sat, 12/5-12/6 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$297.00 Total: \$297.00
Non-Member: Tuition: \$297.00 Total: \$297.00

Counterbalanced Forklift Training ★

This five hour course familiarizes participants to the safe and efficient use of a counterbalanced forklift utilizing a nationally recognized curriculum, combined with hands-on training. Counterbalanced Forklift certification cards are issued to successful completers.

Counterbalanced Forklift Training

CRN #2790
Date: Tue, 9/2, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$137.00 Total: \$137.00
Non-Member: Tuition: \$137.00 Total: \$137.00

Counterbalanced Forklift Training

CRN #2791
Date: Mon, 10/6, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$137.00 Total: \$137.00
Non-Member: Tuition: \$137.00 Total: \$137.00

Counterbalanced Forklift Training

CRN #2792
Date: Mon, 11/3, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$137.00 Total: \$137.00
Non-Member: Tuition: \$137.00 Total: \$137.00

Counterbalanced Forklift Training

CRN #2793
Date: Mon, 12/1, 8:00 AM-1:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$137.00 Total: \$137.00
Non-Member: Tuition: \$137.00 Total: \$137.00

Rough-Terrain Forklift Training ★

This eight hour course familiarizes participants to the safe and efficient use of Rough-Terrain Forklifts utilizing a nationally recognized curriculum, combined with hands-on training. Rough-Terrain Forklift certification cards are issued to successful completers.

Rough-Terrain Forklift Training

CRN #2803
Date: Thr, 9/5, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$216.00 Total: \$216.00
Non-Member: Tuition: \$216.00 Total: \$216.00

Rough-Terrain Forklift Training

CRN #2804
Date: Thr, 10/9, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$216.00 Total: \$216.00
Non-Member: Tuition: \$216.00 Total: \$216.00

Rough-Terrain Forklift Training

CRN #2805
Date: Thr, 11/6, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$216.00 Total: \$216.00
Non-Member: Tuition: \$216.00 Total: \$216.00

Rough-Terrain Forklift Training

CRN #2802
Date: Thr, 12/4, 8:00 AM-4:30 PM Location: NWCC, Room: TBA
Member: Tuition: \$216.00 Total: \$216.00
Non-Member: Tuition: \$216.00 Total: \$216.00

Skid-Steer Loader Training ★

This six hour course familiarizes participants to the safe and efficient use of skid-steer loaders utilizing a nationally recognized curriculum, combined with hands-on training. Skid-Steer Loader certification cards are issued to successful completers.

Skid-Steer Loader Training

CRN #2798
Date: Wed, 9/4, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$152.00 Total: \$152.00
Non-Member: Tuition: \$152.00 Total: \$152.00

Skid-Steer Loader Training

CRN #2799
Date: Wed, 10/8, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$152.00 Total: \$152.00
Non-Member: Tuition: \$152.00 Total: \$152.00

Skid-Steer Loader Training

CRN #2800
Date: Wed, 11/5, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$152.00 Total: \$152.00
Non-Member: Tuition: \$152.00 Total: \$152.00

Skid-Steer Loader Training

CRN #2801
Date: Wed, 12/3, 8:00 AM-2:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$152.00 Total: \$152.00
Non-Member: Tuition: \$152.00 Total: \$152.00

Tile Finishing

Tile Finishing 1-2

Topics Covered: Hand and Power Tools and Masonry Tools and Equipment for the Tile Finishing professional. This course is open to NWCC registered apprentices and current trade workers only.

CRN #2752
Date: Fri, Sat, 11/14-11/15 8:00 AM-4:30 PM Location: , Room: TBA
Member: Tuition: \$152.00 Lab Fee: \$23.00 Books: \$51.00 Total: \$226.00
Non-Member: Tuition: \$152.00 Lab Fee: \$33.00 Books: \$73.00 Total: \$258.00

MANAGEMENT AND SUPERVISION

Courses in this category are offered for the purpose of continuing education and/or self-improvement and do not require Oregon Department of Education licensure. (OAR 581-045-0019(e))

Crew Leadership

This 16-hour course teaches the basic leadership skills required to supervise personnel. It discusses principles of project planning, scheduling, estimating, management, and presents several case studies for

CRN #2788
Date: Fri, Sat, 10/17-10/18 8:00 AM-4:30 PM Location: , Room: TBA
Member: Tuition: \$152.00 Books: \$57.00 Total: \$209.00
Non-Member: Tuition: \$152.00 Books: \$81.00 Total: \$233.00

Project Management

This course introduces the role and responsibility of project management, including technical and management skills and an overview of the phases in a construction project.

Course is two terms in length, so a tuition fee will be assessed for the second term of study.

Topics Covered: Introduction to Project Management * Safety * Interpersonal Skills * Successful Negotiations * Construction Documents * Construction Planning

CRN #2814

Date: Mon, 9/29-12/15 6:00 PM-9:00 PM Location: NWCC, Room: TBA
Member: Tuition: \$342.00 Books: \$136.00 Total: \$478.00
Non-Member: Tuition: \$342.00 Books: \$194.00 Total: \$536.00

Supervisory Training Program ★

Supervisory skills, or the lack thereof, directly affect every company's bottom line. Each day, decisions made by every foreman and superintendent are crucial to the success or failure of every construction project. You make your money in the field. The Supervisory Training Program (STP) developed by the Associated General Contractors, is designed specifically to meet the needs of the construction industry. Developed, updated, and field-tested by and for contractors, the STP Program is 10-seminar courses that focus on the knowledge and skills that every supervisor needs in order to be an effective manager of people, time, equipment and materials. Units may be taken consecutively or independently. No prerequisites are required.

Unit 1: Leadership and Motivation

This course will teach the value of effective supervision of workers and improve the construction supervisor's ability to lead and motivate others. Unit 1 explores:
 Dollars and sense of people in construction * The role of the construction supervisor * Helping people perform better * Motivating others * Leading others * You get what you expect * Positive feedback * Training and orienting crew members * Teams and team building * Leadership skills in action
 CRN #2667
 Date: Thr, Fri, Sat, 9/11-9/13 8:00 AM-4:30 PM Location: NWCC, Room: 101
 Member: Tuition: \$350.00 Books: \$143.00 Total: \$493.00
 Non-Member: Tuition: \$350.00 Books: \$204.00 Total: \$554.00

Unit 2: Oral and Written Communication

This course presents a body of knowledge and skills that today's construction supervisors need in order to be effective communicators on their job site. Unit 2 explores: Effective communication * Supervisors as effective communicators * Learn to listen * Carrying on conversations * Persuasion, negotiation, and confrontation * Communicate with your crew * Put it in writing * Meetings that work * Electronic communication * Improving communication
 CRN #2668
 Date: Thr, Fri, Sat, 10/9-10/11 8:00 AM-4:30 PM Location: NWCC, Room: 101
 Member: Tuition: \$350.00 Books: \$143.00 Total: \$493.00
 Non-Member: Tuition: \$350.00 Books: \$204.00 Total: \$554.00

Unit 3: Problem Solving and Decision Making

This course will help construction supervisors identify problems and how they occur and learn techniques for solving them in the construction industry. Supervisors will learn how to use the decision making process and the important considerations to take into account. Unit 3 explores: Problems in the construction industry * Establishing a problem solving environment * Human performance problems * The problem identification process * The decision making process * Labor costs and subcontractors * Effective production planning * Production process improvement * Projectwide applications * Risk, emergencies, and crisis situations
 CRN #2669
 Date: Thr, Fri, Sat, 11/6-11/8 8:00 AM-4:30 PM Location: NWCC, Room: 101
 Member: Tuition: \$350.00 Books: \$143.00 Total: \$493.00
 Non-Member: Tuition: \$350.00 Books: \$204.00 Total: \$554.00

INSTRUCTOR EDUCATION

Courses in this category are offered for the purpose of continuing education and/or self-improvement and do not require Oregon Department of Education licensure. (OAR 581-045-0019(e))

Instructor Certification Training Program (ICTP) ★

The Instructor Certification Training Program (ICTP) was designed by the National Center for Construction Education and Research (NCCER) as a Train-the-Trainer program. The program is taught by an NCCER Certified Master Trainer. Successful participants receive recognition and certification by the NCCER in a specific program of study, provided the minimum NCCER qualifications are met. All NWCC instructors are required to take the ICTP. Teachers showing proof of current licensure with the Oregon Teachers Standards and Practices Commission are only required to take the first day of class to be eligible for NCCER Certification. NCCER Certification is required of any secondary school teachers desiring articulation with NWCC.
 CRN #2813
 Date: Class meet Fri, 9/12 2:00 PM-7:00 PM and Sat, 9/13 8:00 AM-7:00 PM Location: NWCC, Room: 101
 Member: Tuition: \$250.00 Books: \$78.00 Total: \$328.00
 Non-Member: Tuition: \$250.00 Books: \$112.00 Total: \$362.00

Vocational Instructor Certification

Teachers showing proof of current licensure with the Oregon Teachers Standards and Practices Commission are only required to take the first day of class to be eligible for NCCER Certification.
 CRN #2849
 Date: 9/12, 2:00 PM-7:00 PM Location: NWCC, Room: TBA
 Member: Tuition: \$150.00 Books: \$78.00 Total: \$228.00
 Non-Member: Tuition: \$150.00 Books: \$112.00 Total: \$262.00



**Fifth Annual PCC
Foundation Golf Invitational**

PRESENTED BY

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Thursday, September 18, 2008

Your chance to join friends of Portland Community College Foundation to play golf and support educational programs and scholarships while networking with construction industry leaders.

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www.pcc.edu/about/foundation/golf-invitational

Proceeds from the PCC Golf Foundation Invitational support the Building Construction Scholarship Endowment, general scholarship and program funds, program enhancements, special projects and equipment.

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Fax 503-252-9560

NOTICE TO THE STUDENT: DO NOT SIGN THIS AGREEMENT BEFORE YOU READ IT OR IF IT CONTAINS ANY BLANK SPACES. THIS IS A LEGAL INSTRUMENT. THIS CONTRACT IS BINDING. READ ENTIRE FRONT AND BACK OF PAGE BEFORE SIGNING.

This Enrollment Agreement, dated _____, is between Northwest College of Construction and:

Name _____

Address _____

City/State/Zip _____

Phone _____

E-mail _____

Social Security Number _____

Birth Date _____

Sex Male Female

Ethnic Origin – Your response is voluntary and will not affect admission to NWCC

Asian Black American Indian
 Hispanic White Other

Emergency Contact _____

Relationship _____

Phone Number _____

Educational Goals – Check one that applies to your current standing
 Apprentice* – Registered with the State of Oregon, Bureau of Labor and Industries
 Personal/Professional Development – Taking classes to upgrade specific skills
 Career Track* – Pursuing courses toward a Certificate of Completion
 Continuing Education – Taking approved Continuing Education courses

Course Information (Mandatory)

Member vs. Non-Member pricing: NWCC "Members" include students currently employed by a firm that is a member of any of NWCC's four founding sponsors. (See website or current schedule for pricing.)

| | |
|--------|---------------|
| Title: | Tuition: |
| CRN: | Books: |
| Dates: | Lab Fees: |
| Times: | Total: |

| | |
|--------|---------------|
| Title: | Tuition: |
| CRN: | Books: |
| Dates: | Lab Fees: |
| Times: | Total: |

| | |
|--------|---------------|
| Title: | Tuition: |
| CRN: | Books: |
| Dates: | Lab Fees: |
| Times: | Total: |

Registration Fee \$ 10.00
Total Course Fees \$ _____
TOTAL AMOUNT DUE \$ _____

Agreement is Binding:

This agreement will be binding only when officially accepted and the agreement is fully completed, signed and dated by the student and chief administrative officer or authorized representative of the school prior to the time instruction begins.

EFFECTIVE DATE OF ACCEPTANCE: I certify that (1) I have read and understood the cancellation and refund policy; (2) that I have received a copy of the school catalog or schedule of classes; and (3) that I AM ENTITLED TO AN EXACT COPY OF THIS ENROLLMENT AGREEMENT, SCHOOL CATALOG AND ANY OTHER PAPERS I MAY SIGN.

Any inquiry a student may have regarding this contract may be made in writing to the Northwest College of Construction or to the Superintendent of Public Instruction, Oregon Department of Education, 255 Capitol NE, Salem, OR 97310-0203 or by calling (503) 947-5751.

Additionally, I understand the following:

- 1) That tuition charges will accrue based on the hours that the program is offered by the school and that I have contracted/scheduled to attend, rather than my actual attendance;
- 2) That any refund calculation is based on my last date of physical attendance;
- 3) If a lab fee is included, the school must indicate what the lab fee covers; and
- 4) A student may cancel enrollment by giving written notice to the school. If notice occurs:
 - a) Within five business days of the date of enrollment, all monies paid shall be refunded; or
 - b) After five business days of the date of enrollment and prior to the commencement of classes, the school may retain only the published registration fee.
- 5) If student withdraws prior to completion of 50% of the contracted instructional program, the student shall be entitled to a pro rata refund of the tuition charged and paid for such instructional program, less registration fees, supply fees, and any other charges owed by the student.
- 6) If student withdraws upon completion of 50% or more of the contracted instructional program, the student shall be obligated for the tuition charged for the entire instructional program and shall not be entitled to any refund.
- 7) The term "Pro rata refund" means a refund of tuition paid for that portion of the program beyond the last recorded date of attendance. The date for determining that portion shall be the published class schedule and the last recorded date of attendance by the student.

MY SIGNATURE INDICATES THAT I HAVE RECEIVED THESE DOCUMENTS, READ ALL PAGES, AND AGREE TO ANY STIPULATIONS LISTED IN THEM.

Signature of Student _____ Date _____
Signature of Parent/Guardian (if student is under 18) _____ Date _____
Signature of School Official _____ Date _____



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For information contact: **Jim Trapp, Executive Director**
503-943-5664
jimtrapp@caws-pdx.org

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or on-line at: www.caws-pdx.org





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