VOCATIONAL TRAINING CATALOG

NATEOVATION.COM INSTITUTE OF SAFETY AND VOCATIONAL TRAINING

6525 W. Warm Springs Road Suite 102

Las Vegas, Nevada 89118

Accredited By:

University of Southern California – San Diego OSHA Extension

OSHA 500 – Construction 20014

Chabot – Las Positas Community College District – OSHA Extension

OSHA 500 – General Industry – 2018

Authorized by The United States Department of Labor

American Welding Society - 2018

AWS American Welding Society®

Certifies That

NateOvation Institute of Safety and Vocational Training

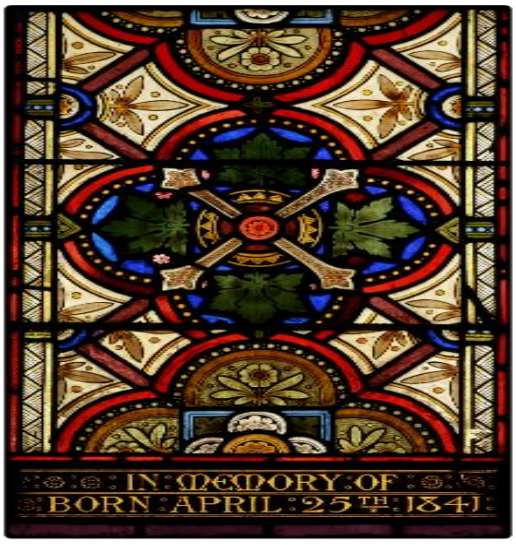
is a School Excelling through National Skills Standards Education and has agreed to Act as a Participating Organization in the AWS SENSE Training and Testing Program. Further, there is agreement to Abide by provisions of AWS QC10 Specification for Qualification and Certification of Level I - Entry Welder and AWS EG2.0 Guide for the Training of Welding Personnel: Level I - Entry Welder

AMERICAN WELDING SOCIETY INCORPORATED 1932 NEW YORK

CERTIFICATE # *40061739*

07/18/2018

Corporate Director of Education



What does NateOvation.com Mean?

Nate or Nathanial was my 4th sons name. "Behold an Israelite indeed in whom is found no guile". As stated in this 1841 Stained Glass Window. Thus, I honored the Institute with the honor of this fine young mans name.

Ovation: Means a Roman Military Parade after a battle, when the Romans paraded their captured slaves down main street as they celebrated entering Rome. Today it means inventiveness,

NateOvation.com: Means A father's celebration in helping his son's struggle to overcome his fears of "What he should do with My Life"? And, His Purpose in life!; and thus be triumphant and celebrate his sons search for prosperity in finding his "Purpose" …. Hence,…. NateOvation.com helps every single student attending this Institute overcome their own set of personal problems with getting and keeping employment, advancing, and finding a purpose in their life.

Maybe, the training received here will enable you to save your life or someone else's life. NateOvation.com celebrates with it's students when they are successful! Training and Certification is Key to their Success.

NISVT.ORG
NateOvation.com

TRADE MARK: Our Trade Mark is a Silver Plague Shield, with Round Circle. Our Name written there. The lines signify the path's of the students. The beveled sides signify Polished Lives. The Brushed Silver means Polished Metal Polished Lives. Our Call Letters inside call the prospective student to class.

NateOvation.com was invented in 2009. And registered with Clark County. It was recorded in Godaddy.com in 2009. The NISVT.ORG and NISVT.COM Call Letters were registered with Godaddy.com in 2018 when NateOvation.com became NateOvation.com Institute of Safety and Vocational Training, a Non-Profit Corporation 10-28-2019.

Robert L. Vincent,

Founder and President

Facilities and Location

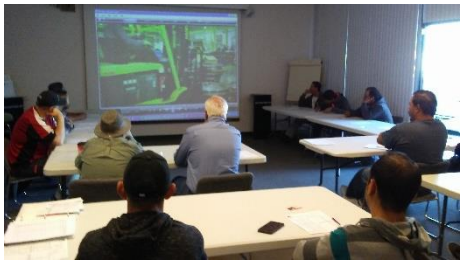
NISVT.ORG
NateOvation.com

6525 West Warm Springs Road Suite 102, Las Vegas, Nevada 89118

702-772-9303

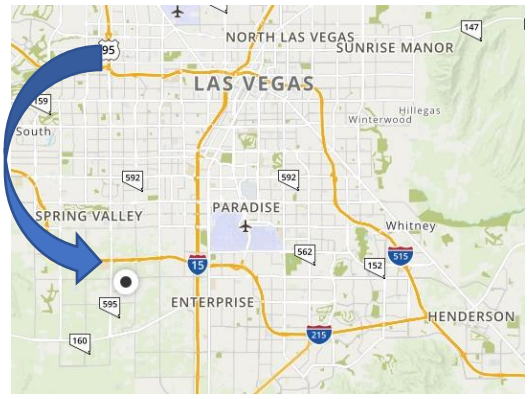
New AWS WELDING

SCHOOL!



HOURS OF OPERATION

DAY	Monday	Tuesday	Wends	Thurs	Friday	Sat.	Sun
OPEN AM	8:00	8:00	8:00	8:00	8:00	8:00	Closed
CLOSED PM	8:00	8:00	8:00	8:00	5:00	5:00	



NATEOVATION.COM INSTITUTE

OF SAFETY AND VOCATIONAL TRAINING

6525 W. Warm Springs Road, Suite 102, Las Vegas, NV 89118

Organization Chart

Robert L. Vincent, President & CEO, OSHA 500 Construction, OSHA 500 General Industry, Retired General Contractor

Board of Directors

Connie Vincent, Secretary, Facilities Director	**Nathanial Vincent**, Administration,	Victor Taube, Ph D, CPA, Certified Public Accountant
Carry Anne Harrington, Human Resource Specialist:	Dr. Kim Borselli D.C. Certified Work Comp Examiner	

Decall Thomas, Welding Instructor	Annette Romero, Outreach Coordinator, Scholarships, Funding, Resource Referrals	Carry Ann Huntington, Human Resources, Job Placement

Apprentice Welders	Apprentice Welders	Apprentice Welders	Apprentice Welders

Kevin Spektor, Administrator, Computer Technical Support

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OSHA SAFETY TRAINING

500+ Students!

SAFETY TRAINING CURRICULA

OSHA 10

Basic Safety (Construction Site Safety Orientation) OSHA 10 – **Price: $110.00 + $10.00 OSHA CARD**

Your Cost is reinvested. You can apply 50% of your NISVT OSHA CARD TO Construction Project Management Courses can be applied to Construction Management Courses!

Leads to employment in the construction field, in any trade. Accepted Nationwide

To walk on a construction site in Nevada you must have a OSHA 10 SAFETY CARD. The "*Basic Safety (Construction Site Safety Orientation)*" module (00101-15) that aligns to OSHA's 10-hour program. Combined with an NISVT credential, the OSHA 10-hour card will show employers a credible and valuable training record. STUDENT WILL RECEIVE A CERTIFICATE at the end of class and will receive their plastic OSHA Card in 2-3 weeks. Modules covered are

01. Introduction to OSHA.
02. Focus Four Hazards: Falls, Electrocution, Struck By, Caught In Between
03. PPE, Personal Protective and Life Saving Equipment
04. Health Hazards in Construction (HASCOM)
05. Stairways & Ladders
06. Managing Safety & Health Programs
07. Cranes
08. Tools & Hand Power
09.

OSHA 10

General Industry – OSHA 10 Hour

Price: $110.00

The General Industry OSHA 10 safety course leads to a NISVT Certificate of Achievement and OSHA ID Card for General Industry, stage hands, manufacturing environments, entertainment, hotels, etc. The OSHA 10 is comprised of 08 required modules and 20 elective subjects.

01 Required Modules
02 Introduction to OSHA
03 Exit Routes, EAP, FPP, Fire Protection
04 Electrical Safety
05 PPE – Personal Protective Equipment
06 Hazard Communications
07 Walking and Working Surfaces
08 Managing Safety and Health
09 Electives
10 Tools and Hand Power
11 Fall Protection
12 Hazardous Materials
13 Materials Handling
14 Machine Guarding
15 Introduction to Industrial Hygiene
16 Blood Pathogens
17 Ergonomics
18 Safety and Health Programs
19 Fall Protection
20 Tools and Hand Power

OSHA 30

General Industry- OSHA 30 Hour

Price: $250.00

The OSHA General Industry 30 Hour safety course leads to a NISVT Certificate of Achievement and OSHA – GENERAL INDUSTRY SAFETY CARD. It is for supervisors, leads, foremen. Anyone working in Hotels, Gaming, Stage hands, manufacturing, Film, Productions should have this card.

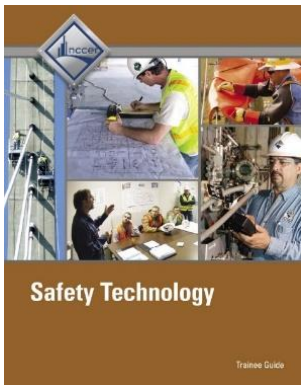
Required:

01 Introduction to OSHA
02 Exit Routes, EAP, FPP, Fire Protection
03 Electrical Safety
04 Falls
05 Electrocution
06 Struck By
07 Caught in Between
08 PPE – Personal Protective Equipment
09 Hazard Communications
10 Walking and Working Surfaces
11 Managing Safety and Health
12 Tools and Hand Power
13 Fall Protection
14 Hazardous Materials
15 Materials Handling
16 Machine Guarding
17 Introduction to Industrial Hygiene
18 Blood Pathogens
19 Ergonomics
20 Safety and Health Programs
21 Fall Protection
22 Tools and Hand Power
23 Excavations
24 Cranes
25 Focus Four Hazards
26 Welding and Cutting

OSHA 30

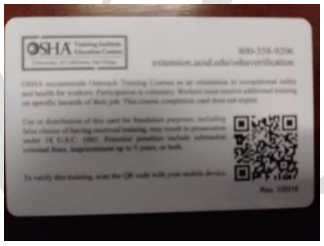
OSHA 30 – Construction Field Safety – (OSHA 30)

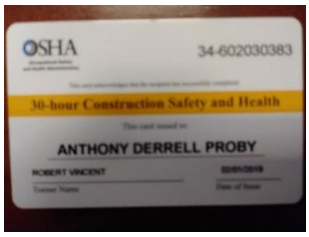
CONSTRUCTION **PRICE: $250.00 + $10.00 FOR OSHA CARD** **Book Price: $ 117.00 (Optional - not required).**



From craft person to superintendent, OSHA 30 Hour Safety Class. All leads, superintendents, General Foreman, must have this Class. This is the only sign that a person is a competent person, in OSHA'S eyes. The OSHA 30 hour Construction class is composed of 13 Required modules and the balance are electives.

Field Safety has been designed for individuals who are involved with completing or overseeing tasks in the construction industry. This curriculum reinforces safety training and the safety culture for every worker. It discusses how to recognize, understand, and address common hazards associated with the construction and maintenance environments





01. Introduction to OSHA.
02 Focus Four Hazards: Falls, Electrocution, Struck By, Caught In Between
03 PPE, Personal Protective and Life Saving Equipment
04 Health Hazards in Construction (HASCOM)
05 Stairways & Ladders
06 Managing Safety & Health Programs
07 Cranes
08 Tools & Hand Power
09 Scaffolds
10 Confined Space Entry
11 Ergonomics
12 Excavations
13 Fire Protection and Prevention
14 Powered Industrial Vehicles
15 Concrete and Masonry
16 Steel Erection
17 Welding and Cutting
18

Construction Safety Officer Training

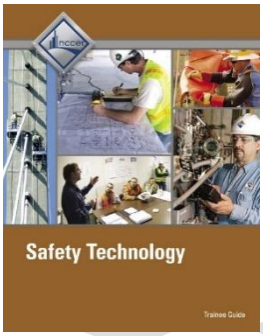
CREDENTIALS OSHA 500+

Construction Safety Officer Training

CREDENTIALS OSHA 500+

Prerequisite: OSHA 10, OSHA 30 HOUR SAFETY PROGRAM:

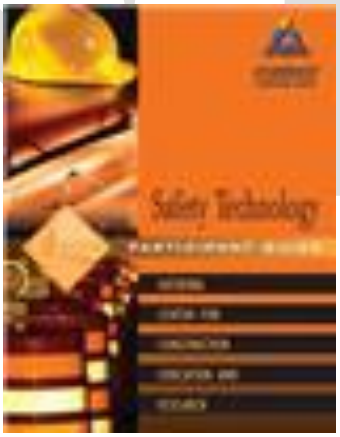
SAFETY OFFICER Credential - For Books **Price: $1500.00 + $250.00**



Those who successfully complete a prescribed set of modules from the NCCER safety curricula receive a certificate, transcript and wallet card. These designations are:

- **Construction Site Safety Officer Technician (CSSOT)**

NISVT - NateOvation.com Institute of Safety and Vocational Training IS ACCREDITED by NCCER TO SPONSOR THE PROGRAM. Most Materials are based upon the NCCER training credential requirements.



NISVT and NCCER has developed an industry-wide approach to safety through a formal, nationally recognized training program. The **Construction Site Safety OFFICER Training Program** is a widely used safety system employed by contractors and owners who demand more from their on-site supervisors and safety technicians. This comprehensive standardized safety program deals with site-specific hazards and provides unparalleled national recognition.

- The program was designed to prepare trainees for the widely recognized safety certifications offered by the Board of Certified Safety Professionals, including the Construction Health and Safety Technician (CHST).

- This approach includes curriculum, instructor certification, and the use of the NCCER Registry System to track and maintain training records and certifications. NISVT Instructors Hold OSHA 500 Training Credentials for both Construction and General Industry.

- The safety training within NCCER's curricula provides the foundation for change in safety culture, promoting a safety-first philosophy throughout every level of an organization – from the new employee to every level of management.

- **Safety Technology** – *Safety Technology* provides instruction on how to implement and administer a company's safety program. This manual is designed for field managers, safety directors, safety committees, owner safety representatives,

and insurance/loss control representatives.

- Note: This is above the OSHA 500 offered by OSHA. OSHA 500 is for those wanting to teach OSHA 10 AND 30 Classes only. While the Site Safety Technician Officer curriculum gives the tools needed to properly administer the companies Safety Programs, monitor Construction activities, and protect the company from future lawsuits.
-

Construction Site Safety Supervisor (CSSS)

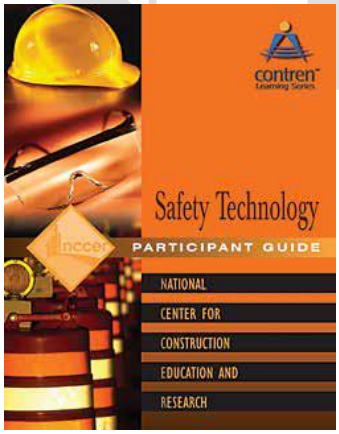
Field Safety		
Module Number	**Hours 45**	**Module Title**
75101-13	2.5	**Introduction to Safety** (Module ID 75101-13) Presents basic safety concepts and explains the difference between regulatory compliance and best practices. Introduces OSHA and describes how accidents and their associated costs affect everyone on a job site. Describes the OSHA focus four hazards. Discusses the selection and use of appropriate personal protective equipment (PPE). Describes fire protection and prevention. Provides an overview of the hazards and safeguards associated with hot and cold weather work, walking and working surfaces, and tools
75120-13	5	**Confined Spaces and Excavations** (Module ID 75120-13) Covers safety precautions related to work in confined space, including the responsibilities and duties of each member of the confined-space entry team. It also covers the safety hazards and safeguards required when working in an excavation, including an explanation of various trenching supports and soil types.
75104-13	5	**Work Zone Safety** (Module ID 75104-13) Explains how to recognize and use the signs, signals, and barricades commonly found on a job site. Also describes the hazards and safeguards associated with highway work zones.
75121-13	5	**Electrical Safety** (Module ID 75121-13) Discusses the risks associated with work around electricity and the effects of shock on the human body. Describes lockout/tagout procedures. Explains how to avoid electrical hazards.
75122-13	5	**Working From Elevations** (Module ID 75122-13) Discusses the hazards and safeguards associated with the use of aerial lifts, ladders, and scaffolding. Describes how to safely set up and use this equipment. Explains how to identify, avoid, and react to unsafe conditions when working from elevations. Covers the selection and use of appropriate fall-protection equipment.
75110-13	3	**Steel Erection** (Module ID 75110-13) Discusses how to recognize, avoid, and prevent hazards associated with the use of steel-erection equipment. Describes the use of appropriate personal protective equipment.
75123-13	5	**Heavy Equipment, Forklift, and Crane Safety** (Module ID 75123-13) Covers the safety hazards and precautions necessary when working near heavy equipment. It also covers the general safety requirements for the use of forklifts and cranes.

75119-13	2.5	**Concrete and Masonry** Module ID 75119-13) Describes the safety hazards related to concrete and masonry work. Explains how to identify, avoid, and respond to these hazards. Covers job-site safety and personal protective equipment.
75124-13	5	**Introduction to Materials Handling** (Module ID 75124-13) Explains the safety precautions required when transporting, handling, rigging, stacking, and storing various types of loads. It also covers safe lifting procedures.
Total	**45.5**	
		Safety Technology ISBN 978-0-13-106258-0
75201-03	2.5	**Introduction to Safety Technology - Introduction to Safety Technology** (*2.5 hours*) Describes the responsibilities of a safety technician and identifies the basic components of a safety program. It also provides an overview of regulatory requirements. (*Module ID 75201*)
75202-03	**2.5**	**Hazard Recognition, Evaluation, and Control-Hazard Recognition, Environmental Awareness, and Occupational Health** (*5 hours*) Covers environmental and safety hazards. It explains how to evaluate risks and identify appropriate methods of hazard control. It also discusses environmental regulations for hazardous materials and describes the elements of a medical surveillance program. (*Module ID 75219*)
75203-03	**2.5**	**Risk Analysis and Assessment** (Module ID 75204-03) Introduces the roles and responsibilities of the safety technician with regard to on-site inspections, audits, and observations. Explains the purpose of safety inspections and how to properly conduct safety audits and employee observations.
75204-03	**2.5**	**Inspections, Audits, and Observations** *(2.5 Hours)* (Module ID 75204-03) Introduces the roles and responsibilities of the safety technician with regard to on-site inspections, audits, and observations. Explains the purpose of safety inspections and how to properly conduct safety audits and employee observations.
75205-03	**2.5**	**Employee Motivation** – Stresses the importance of effectively communicating safety policies and procedures to all employees on the job site. Discusses how to provide employee recognition, discipline, and motivation.
75206-03	**2.5**	**Site-Specific ES&H Plans** (Module ID 75206-03) Environmental Safety and Health (Module ID 75206-03) Environmental Safety and Health (ES&H) plans must be modified to meet job-specific conditions. Explains how to make these modifications, coordinate implementation of ES&H plans, identify job-specific hazards and requirements using pre-bid checklists, and evaluate hazard risks. (ES&H) plans must be modified to meet job-specific conditions. Explains how to make these modifications, coordinate implementation of ES&H plans, identify job-specific hazards and requirements using pre-bid checklists, and evaluate hazard risks.
75207-03	**2.5**	**Emergency-Action Plans** (Module ID 75207-03) Focuses on the basics of emergency action plans and media communications.
75208-03	**2.5**	**JSAs and TSAs** (Module ID 75208-03) Covers the purposes of and differences between job safety analyses and task safety analyses. Explains how to properly conduct safety analyses.

75209-03	**2.5**	**Safety Orientation and Training – Covers the basics of safety training program coordination as it teaches participants to effectively implement safety training.**
75210-03 75224	**2.5**	**Work Permit Policies Permits and Policies** (*5 hours*) Provides an overview of the various work permits required on a construction site. It also provides detailed procedures for completing a hot work permit, lockout/tagout, and confined-space entry permit. (*Module ID 75224*)
75211-03	**2.5**	**Confined-Space Entry Procedures** (Module ID 75211-03) Stresses the safety requirements of confined-space work. Describes permit, entry, emergency, and rescue procedures. Also covers the main types of atmospheric hazards and the procedures used for testing for them in confined spaces.
75212-03 75223	**2.5**	**Safety Meetings - Safety Orientation and Safety Meetings** (*5 hours*) Covers describes how to prepare and deliver effective training using both formal safety meetings and tailgate talks. (*Module ID 75223*)
75213-03	**2.5**	**Accident Investigation: Policies and** (Module ID 75213-03) Explains the connection between accident investigation and accident prevention and describes the purposes and uses of accident investigations. Teaches participants to properly conduct accident investigation interviews and fill out related forms.
75214-03	**2.5**	**Accident Investigation: Data Analysis** *(2.5 Hours)* (Module ID 75214-03) Expands on the concept of accident investigation as a preventative tool. Participants study and practice the methods commonly used for performing accident investigation data analysis.
75215-03 75226	**2.5**	Recordkeeping - **OSHA Inspections and Recordkeeping** (*5 hours*) Discusses the OSHA requir keeping and explains how to manage the safety and health records for a job site. It also co types of OSHA inspections. (*Module ID 75226*)
75216-03	**2.5**	OSHA Inspection Procedures (Module ID 75216-03) Focuses on the safety technician's role during OSHA inspections. Covers the process and purpose of OSHA site inspections. Explains the difference between focused and wall-to-wall inspections, the appropriate follow-up actions resulting from an inspection, and the consequences of OSHA citations, violations, and fines.
75217-03 75221	**2.5**	ES&H Data Tracking and Trending - **Safety Data Tracking and Trending** (*5 hours*) Covers how to conduct safety inspections, audits, and employee safety observations. It discusses both traditional and predictive methods of performance measurement, and explains how to analyze safety data in order to prevent future incidents. (*Module ID 75221*)
75218-03	**2.5**	Environmental Awareness (Module ID 75218-03) Introduces ways to minimize hazardous-waste production and prevent water and soil contamination. Covers the training and medical surveillance requirements for personnel working with materials such as hazardous waste, lead, asbestos, and silica. Also covered are the primary types of environmental problems and the hazardous-waste shipping requirements common on a construction site.
75219-03	**2.5**	Describes the personal protective equipment that must be used when working with concrete and masonry as well as the common jobsite and health hazards associated with this type of work.
	45.00	Hours

75220		**Job Safety Analysis and Pre-Task Planning** (*5 hours*) Provides guidance on safety performance analysis and employee coaching. It also explains how to complete job and task safety planning. (*Module ID 75220*)
75222		**Site-Specific Safety Plans** (*5 hours*) Explains how to use pre-bid checklists to identify hazards and develop a site safety plan. It also describes how to develop an emergency action plan. (*Module ID 75222*)
75223		**Safety Orientation and Safety Meetings** (*5 hours*) Covers describes how to prepare and deliver effective training using both formal safety meetings and tailgate talks. (*Module ID 75223*)
75225		**Incident Investigations, Policies, and Analysis** (*5 hours*) Describes how to conduct an incident investigation, including employee interviews and reporting requirements. It also explains how to analyze an incident to determine the root cause and prevent future incidents. (*Module ID 75225*)
75226		**OSHA Inspections and Recordkeeping** (*5 hours*) Discusses the OSHA requirements for record-keeping and explains how to manage the safety and health records for a job site. It also covers the two main types of OSHA inspections. (*Module ID 75226*)

The CSSS is designed for the project personnel responsible for safety on the job site, and specifically to provide field managers the expertise to understand safety to a high degree. The trainee must complete the entire *Field Safety* curriculum and either 11 modules from the *Safety Technology* 1st Edition curriculum or five modules from the *Safety Technology* Version 2 curriculum for this credential.



Recognition

This is to Certify that

Marcelino Junior Lara

HAS SUCCESSFULLY COMPLETED

The NISVT Construction Site Safety Officer Training Program

A coveted 80 Hour Construction Safety Officer Training Program in Compliance with NCCER National Guidelines. Successfully Studied and Passed with Honors the complete Safety Technology Program including; Hazard Recognition and Control; Risk Analysis and Assessment; Inspections, Audits, and Control; Risk Analysis and Assessment; Inspections, Audits, and Observations; Employee Motivation; Site Specific ES&H Plans; Emergency-Action Plans; JSA's and TSA's; Safety Orientation and Training; Work Permit Policies; Confined Space Entry Procedures; Safety Meetings; Accident Investigation: Policies and Procedures; Accident Investigation: Data Analysis; Recordkeeping; OSHA Inspection Procedures; ES&H Data Tracking and Trending; Environmental Awareness; Passed with Honors the Field Safety Program; Introduction to Safety; Confined Spaces; Work Zone Safety; Electrical

02-18-2019 – 03-07-2019

Robert L. Vincent

6525 W. Warm Springs Road, Las Vegas Nevada 89118

702-772-9303

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OF SAFETY AND VOCATIONAL TRAINING

CONSTRUCTION

PROJECT MANAGEMENT PROGRAM

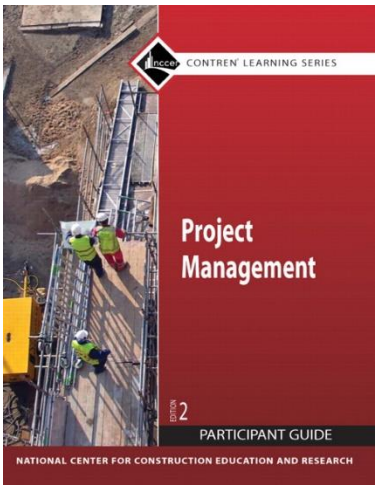
1. Project management for Construction
2. Construction Project Administration
3. Estimating for Building Construction
4. Unique Module Approach allows for *FLEXABLE* schedules and days off to .

Wow! Flexable schedules!

Group Corporate Discounts.

Now you can upgrade your whole staff on a economical scale with our Corporate Group Advantage Learning Program.

1. Discount for previously taken NISVT OSHA 10 & 30 Classes – Wow! 50% Credit.
2. Company Education Program – Each Student get 20% off for one at a time from your company, if your company pays the tuition. Books Extra.
3. Group Classes: Deduct 50% off 2nd Student to 25 Students. Books Extra.
4. Must Book Classes in advance: Can be at your facility or hours..



PAPERBACK ISBN
Participant Guide: $98 **978-0-13-604486-4**
Instructor's Guide: $98 **978-0-13-604487-1**

2008 Revised Edition 2nd Edition

Hours: 60 $1500.00

Payment: $500.00 Down.

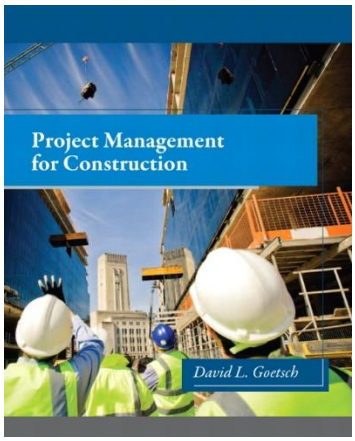
EVENING CLASSES ABAILABLE

Book Cost: $132.00 +

PROJECT MANAGEMENT LEVEL 1

NO.	NCCER	Module Name	Slides	Hours	Description
01	44101-09	Introduction to Project Management	18	5	(Module ID 44101-08) Introduces the role and responsibilities of project management, including technical and management skills. Presents an overview of the phases in a construction project and describes alternate project delivery methods.
02	44102-06	Safety	27	5	(Module ID 44102-08) Stresses the importance of job-site safety and identifies the project manager's duties and responsibilities regarding safety. Covers loss prevention and creating a zero-accident work environment. Presents several checklists as references.
03	44103-08	Interpersonal Skills	14	5	Module ID 44103-08) Discusses the values and expectations of the workforce, building relationships, and satisfying stakeholders. Describes the principles of effective communication, applying the management grid, and using relationship skills to create a leadership environment. Also discusses behavioral interviewing and professional development of personnel
04	44104-08	Issues and Resolutions	10	5	(Module ID 44104-08) Describes the key elements of successful negotiations and negotiating techniques. Explains how to recognize nonverbal signals, use negotiating tools, and apply conflict resolution strategies. Identifies symptoms and barriers to solving project-related problems and applying problem-solving techniques, brainstorming, and identifying root cause consequences.
05	44105-08	Construction Documents	35	5	(Module ID 44105-08) Emphasizes the importance of documentation and explains the types of documents, drawings, and specifications used on a project. Explains methods of obtaining work in the industry and types of contracts and insurance requirements. Describes the change order process and the documents required to close out a project
06	44106-08	Construction Planning	25	5	(Module ID 44106-08) Discusses the importance of formal job planning and creating a performance-based work environment. Discusses the Work Breakdown Structure (WBS) as the foundation that identifies deliverables, tasks, and time. Introduces the basics of quality control and defines the roles and responsibilities of an effective team and how to allocate resources.

07	**44107-08**	**Estimating and Cost Control**	**20**	10	Module ID 44107-08) Emphasizes the importance of accurate estimating and summarizes the estimating process and the steps in developing an estimate. Defines the purpose of a cost control methodology, explains how to perform simple cost analysis, and covers the project manager's role in controlling cost and tracking rework cost.
08	**44108-08**	**Scheduling**	**47**	5	(Module ID 44108-08) Explains the basics of scheduling from simple to-do lists through bar charts, network diagrams, and methods of managing resources. Discusses the importance of formal schedules, job planning, and establishing priorities. Describes alternative scheduling methods.
09	**44109-08**	**Resource Control (10 Hours)**	**41**	5	(Module ID 44109-08) Identifies resources that must be controlled, factors that affect production control, and production control standards. Explains the project manager's role in the process. Defines production and productivity, and describes how to evaluate and improve production control and productivity.
10	**44110-08**	**Quality Control and Assurance – (5 Hours)**	**22**	5	(Module ID 44110-08) Defines quality control and quality assurance, and stresses management's concerns about quality. Explains project quality management and how to develop an effective quality control plan. Discusses how to identify, assess, and measure weaknesses to avoid rework.
11	**44111-08**	**Continuous Improvement**	**16**	5	(Module ID 44111-08) Describes the project manager's role in creating a culture of continuous improvement. Explains the fundamentals of a continuous improvement program and how to identify the critical problems and processes that require improvement, implement a continuous improvement process, and measure results. Emphasizes the importance of satisfying internal and external stakeholders.
		Total	**275**	**60**	
	Book	**PAPERBACK**			Participant Guide: $98 **978-0-13-604486-4** Instructor's Guide: $98 **978-0-13-604487-1**



PROJECT MANAGEMENT FOR CONSTRUCTION – LEVEL 2

Book: ISBN-13: 9780132803243 Book Price: $126.65 FORMAT: CLOTH

Program Cost: $ 1500.00 40 Hours

Payments: $500 Down.

Hours: Evening Classes, Day Classes.

Now you can advance in your employment with this low cost investment in your future. In just a few hours you can earn a Certificate of Achievement in Project Management.

overview

Description

For all courses on construction project management.

The only complete, up-to-date guide to construction project management that fully aligns with the latest PMBOK standards.

Project Management for Construction is the up-to-date guide to construction-specific project management that fully reflects the latest standards in the "Project Management Body of Knowledge" (PMBOK). Unlike competitive texts, it covers not just project management process skills, but also crucial people skills such as teambuilding, communication, conflict management, leadership, motivation, decision-making, and negotiation. Topics covered include: project integration, scope management, time management, cost management, quality management, HR management, communication management, risk management, and procurement management. Readers will find up-to-date project management information related to LEED and green building construction, as well as introductions to all leading approaches to cost estimating, including CSI divisions, R.S. Means Assemblies Cost Data, and UNIFORMAT divisions. Throughout, key concepts are supported with a comprehensive package of pedagogical material, and teaching/learning aids provided in no other construction project management text.

Table of Contents

	.Project MANAGEMENT—PROCESS SKILLS		Book: ISBN-13: 9780132803243	SLIDES: 140
NO.	Module /Chapter	Hours		
01	Overview of Construction Project Management	2		
02	Roles and Responsibilities of Construction Project Managers	3		
03	Cost Estimating for Construction Projects	3		
04	Planning and Scheduling for Construction Projects	3		
05	Procuring for Construction Projects	3		
06	Managing Risk in Construction Projects	3		
07	Project Construction, Monitoring, and Closeout	3		
08	**CONSTRUCTION PROJECT MANAGEMENT—PEOPLE SKILLS**	3		
09	Leading Teams	3		
10	Building Teams and Managing Conflict	3		
11	Motivating Teams	3		
12	Communicating, Influencing, and Negotiating	3		
13	Managing Time	2		
14	Managing Change	2		
15	Managing Diversity	2		
16	Managing Adversity	2		
	Total Hours	**43**		

Teaching and Learning Experience

This Course will help construction professionals quickly master the best practices of construction project management. It provides:

- **Comprehensive construction-specific coverage fully aligned to the Project Management Body of Knowledge (PMBOK)**: Thoroughly in accordance with the latest standards in the "Project Management Body of Knowledge" (PMBOK), and focused entirely on construction – not a generic text that only touches on construction in passing
- **Up-to-date coverage of the latest construction industry trends as they relate to project management**: Addresses important trends such as LEED and green construction, as well as all leading forms of cost estimation
- **Hands-on focus, comprehensive pedagogical tools, and support for flexible approaches to teaching and learning:** Supported by comprehensive pedagogical tools, and designed for both classroom and online learning in a wide range of programs

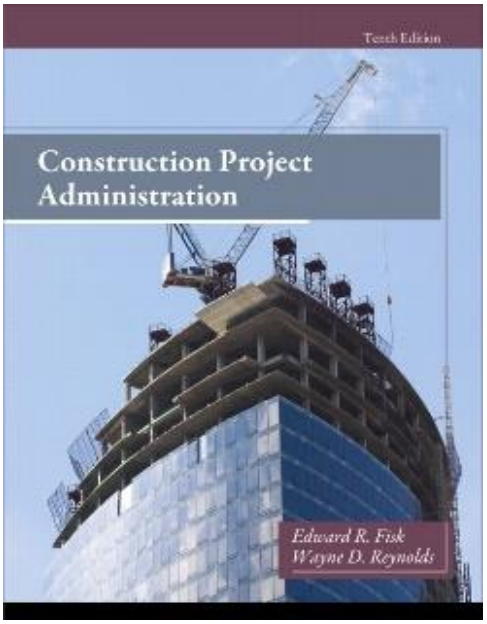
- **Systematically addresses best-practice processes**—including project integration, as well as techniques for managing scope, time, cost, quality, human relations, communication, risk, and procurement
- **Thoroughly addresses make-or-break "people" issues**—offering extensive practical insights into teambuilding, communication, conflict management, leadership, motivation, decision-making, negotiating, and more

Up-to-date coverage of the latest construction industry trends as they relate to project management:

- **Presents new information on managing LEED (Leadership in Energy and Environmental Design) and other Green Building projects**—preparing students to participate in one of the fastest-growing areas of construction
- **Covers the Critical Path Method (CPM) in depth**—teaching students today's most comprehensive and practical approach to scheduling large-scale projects
- **Covers the leading modern and emerging approaches to cost estimating**—including *both* Construction Specification Institute (CSI) divisions for cost estimating; R.S. Means Assemblies Cost Data; and UNIFORMAT divisions

Hands-on focus, comprehensive pedagogical tools, and support for flexible approaches to teaching and learning:

- **Challenging real-world construction projects, boxed discussion cases, and practical hands-on problems that promote discussion and mastery**—helping students go discover how modern project management techniques have permitted the successful completion of many of today's most challenging projects
- **Proven pedagogical tools to promote effective learning**—including chapter summaries, key terms and phrases, and review questions
- **Designed for use in both traditional classrooms and online classes**—helping instructors support
- **Comprehensive instructor support**—including PowerPoint presentations covering the entire text, a complete test bank, and an instructor's manual



CONSTRUCITON PROJECT ADMINISTRATION

Class:

- Book: Construction Project Administration 10 Edition 416 Pages.
- By Wayne Reynolds and Edward Fisk.
- ISBN-13: 9780132866736 $ 174.00 + Shipping+ tax
- COST: $1800.00, Payments $500.00 down.

Hours: 63

Cost: $ 1,800.00 Payments $500.00 Down

- *Description*
- **For courses in Construction Project Administration, Construction Project Management, Construction Administration, Construction Management.**
- *Construction Project Administration, Tenth Edition*, shows readers how a successful construction project is managed and administered from design through construction to closeout. From start to finish, the topics pertinent to each stage of a project are introduced and discussed as they occur throughout the life of the project. Students learn how to unite the key stakeholders (contractors, architects, engineers, etc.) and provide them with a workable system for operating as an effective construction team. Reflecting the latest technology, laws, and regulations, the text addresses concepts using simple, straightforward language and numerous real-world examples.

Features

For courses in Construction Project Administration, Construction Project Management, Construction Administration, Construction Management.

Construction Project Administration, Tenth Edition, shows readers how a successful construction project is managed and administered from design through construction to closeout. From start to finish, the topics pertinent to each stage of a project are introduced and discussed as they occur throughout the life of the project. Students learn how to unite the key stakeholders (contractors, architects, engineers, etc.) and provide them with a workable system for operating as an effective construction team. Reflecting the latest technology, laws, and regulations, the text addresses concepts using simple, straightforward language and numerous real-world examples.

Hallmark Features:

Reflects the latest technology, laws and regulations—shaping construction project administration. Covers the latest techniques in the field (CMP scheduling, liquidation of assets, etc.); discusses the DOT and local

standards specs; covers design-build laws for Federal and public projects, and more! **Traces a project from start to finish**—from design through construction to closeout.

Shows topics pertinent to each stage of a project and illustrates a project's lifecycle.

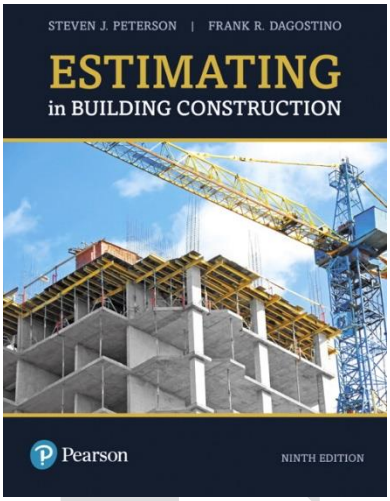
Uses simple, straightforward language—with many real world examples.

- Offers practical application that is relevant to all in the construction industry—from students to design professionals to project managers to contract administrators and construction engineers. **Includes a complete chapter on electronic project administration**—see Chapter 5.

No.	Name	Hours	Slides	QUIZ	Description
01	The Project Delivery System	3	13	12	
02	Responsibility and Authority	3	05	12	
03	Resident Project Representative Office Responsibilities	3	13	10	
04	Documentation: Records and Reports	3	22	9	
05	Electronic Project Administration	3	25	14	
06	Specifications and Drawings	3	8	09	
07	Using the Specifications in Contract Administration	3	6	09	
08	Construction Laws and Labor Relations	3	3	11	
09	Construction Safety	3	6	10	
10	Meetings and Negotiations	3		10	
11	Risk Allocation and Liability Sharing	3	3	12	
12	Preconstruction Operations	3	16	15	
13	Planning for Construction	3	13	09	
14	CMP Scheduling for Construction	3	13	10	
15	Construction Operations	3	02	08	
16	Value Engineering	3	06	7	
17	Measurement and Payment	3	26	11	
18	Construction Materials and Workmanship	3	10	8	
19	Changes and Extra Work	3	09	10	
20	Claims and Disputes	3	11	11	
21	Project Closeout	3	14	10	
	QUIZ – Every Chapter			217	
	Midterm Examination			20	
	Final Examination			83	
	Total	63	122	320	

ESTIMATING IN BUILDING CONSTRUCTION

LEVEL 11



- **For the new and experienced estimator who wants to become certified as a Estimator**
- **Estimating in Building Construction, 9th Edition**
-
- **TIME: 40 Hours $ 1500.00**
- **Book: $ 200.00**
- Discusses computer applications for procurement and project administration and keeps students abreast of the latest techniques in the field.

Incorporates case law examples, sample documentation forms, and completed examples.

- Gives students real-world examples and information on the laws impacting day-to-day job activities.

New to This Edition

Updated to provide readers with the latest coverage of technology and industry practices.

- Since so many projects are now being constructed using the Design-Build (DB) project delivery system, this edition offers expanded coverage on how DB impacts the principles discussed throughout the book.
- With almost universal usage of computers to schedule projects, arrow diagramming has fallen into disuse and hence most of the arrow diagramming discussion was removed from Chapter 14.
- The National Pollutant Discharge Elimination System (NPDES) was added to Chapter 8 because those permits are required on the vast majority of construction projects and a Resident Project Representative needs to understand them.
- Due to the widespread use of electronic project administration on construction projects, more emphasis was placed on electronic reporting and usage of electronic devices.

Revised to improve the flow of material and help students study more effectively.

- The material covering Preconstruction Conferences in Chapters 10 and 12 has been combined into Chapter 12 to minimize redundancy and to improve readability.
- Chapter questions have been updated in order to be consistent with the revised text material.

Enhanced coverage of the latest environmental and safety issues.

- Leadership in Energy and Environmental Design (LEED) has become so prevalent in the construction industry that the author felt it appropriate to address its impacts on material already incorporated in the book.
- Experience Modification Rating (EMR) was also added to Chapter 8 to further emphasize the importance of safety on all construction sites.

Price: $199.99 + shipping and Tax

Estimating in Building Construction, 9th Edition

ISBN-13: 978013470165 Format: Cloth 368 Pages

Online Purchase Price: $44.99 EBOOK.

Overview

Description

For beginning to intermediate courses in cost estimating and construction estimation.

The only complete, up-to-date guide to estimating modern building construction projects
Estimating in Building Construction covers all the skills the beginning student needs to estimate simple to moderately complex commercial and residential buildings. Ideal for construction, architecture, and engineering students, the text covers bid preparation from the general contractor's perspective, using a combination of theory and principles, step-by-step procedures, instructor resources, and practice problems.

The **9th edition** aligns the text with the learning outcomes of the major accreditation bodies ABET and ACCE, giving instructors measurable standards for gauging student success. It includes a new chapter on specialty contractors, two rewritten chapters, and reorganized appendices.

Features

- **Coverage of current industry practices, techniques, and challenges:**
  - **Updated -** The text has been realigned to the **student learning outcomes of the major accreditation bodies ABET and ACCE**.
  - Students learn methods for **estimating labor, equipment, overhead costs, markups, and profit** — including computer-based estimations — helping them account for a range of practical expenses.
  - **New - A new chapter covering specialty contractors** covers soliciting quotes from specialty contractors, writing scopes of work for subcontracts, and selecting specialty contractors.
  - **Updated - Two chapters have been rewritten** to conform to current industry practices: Chapter 15 covering thermal and moisture protection, and Chapter 17 covering finishes.
  - **Updated - Labor and equipment costs** in multiple chapters have been updated, making example problems more realistic and bringing them in line with current market costs.

- **Updated - Discussion of BIM (building information model) techniques** for estimating has been updated to reflect updates to Autodesk Revit 2017.

- **Hundreds of examples and problems applying theory to practice:**
  - **Sample worksheets** and **questions at the end of each chapter** — including essay and estimating problems and problems based on drawing sets — help students apply estimating procedures.
  - **Book-length running case study** draws connections between all the stages of the construction estimating process.
  - An **instructor's guide** includes solutions to all problems and identifies which problems can be used to document student learning outcomes established by ABET and ACCE.
- **Extensive references for professional estimating:**
  - **Drawings and outline specifications** for small and large commercial buildings and residential buildings show students how these visuals should look and how to use them in estimating.
  - **Bid-Sim**, a bid day simulation, replicates the process of preparing a competitive bid, from the general contractor's perspective.
  - **Updated - Appendices have been reorganized** to group similar types of plans together.

No.	Chapter	Slides	Time	Descriptions
01	**INTRODUCTION TO ESTIMATING;**			1—1 General Introduction; 1—2 Estimating Methods Detailed Estimate; Assembly Estimating Square-Foot Estimates; Parametric Estimates Model Estimating; Project Comparison Estimates 1—3 Estimating Opportunities; 1—4 The Estimator 1—5 Quantity Surveying; 1—6 Types of Bids 1—7 Contract Documents; 1—8 Bidding Information 1—9 Availability of Contract Documents 1—10 Sources of Estimating Information Web Resources; Review Questions
02	**CONTRACTS, BONDS, AND INSURANCE**			2—1 The Contract System; 2—2 Types of Agreements; Lump-Sum Agreement (Stipulated Sum, Fixed Price); Unit-Price Agreement Cost-Plus-Fee Agreement; 2—3 Agreement Provisions; 2—4 Bonds; Bid Bond; Performance Bond; Payment Bond 2—5 Obtaining Bonds; 2—6 Insurance Web Resource; Review Questions
03	**PROJECT MANUAL**			3—1 Introduction 3—2 Construction Specifications Institute 3—3 Invitation to Bid (Advertisement for Bids) 3—4 Instructions to Bidders (Information for Bidders); 3—5 Bid Form; 3—6 Form of Owner—Contractor Agreement 3—7 General Conditions 3—8 Supplementary General Conditions 3—9 Specifications; 3—10 Alternates 3—11 Addenda; 3—12 Errors in the Specifications Web Resources Review Questions
04	**THE ESTIMATE**			4—1 Roll of Estimating; 4—2 Organization 4—3 Notebook; 4—4 To Bid or Not to Bid

				4—5 Planning the Estimate; 4—6 Site Investigation 4—7 Quantity Takeoff; 4—8 Materials; 4—9 Labor; 4—10 Equipment; 4—11 Specialty Contractors 4—12 Overhead and Contingencies; 4—13 Profit and Home Office Costs; 4—14 Workup Sheets; 4—15 Summary Sheet; 4—16 Errors and Omissions; Web Resources; Review Questions
05	**COMPUTERS IN ESTIMATING**			5—1 Overview; 5—2 Benefits and Dangers of Computerized Estimating; 5—3 Spreadsheets; 5—4 Specialized Estimating Software; 5—5 Takeoff Software 5—6 Building Information Modeling Model Creation; Limitations and Potential Problems; Uses in Estimating; Potential Effects of BIM on Estimating; Extracting Quantities from Revit; Exporting Quantities to Excel Web Resources; Review Questions
06	**OVERHEAD AND CONTINGENCIES**			6—1 Overhead; 6—2 Home Office Overhead 6—3 Job Overhead (General Conditions, Direct Overhead);6—4 Scheduling; 6—5 Contingencies; 6—6 Checklist Undistributed Labor, Temporary Buildings, Enclosures, and Facilities, Temporary Office Barricades and Signal Lights, Temporary Utilities Repairs and Protection, Relocating Utilities Cleaning, Permits, Professional Services Labor Burdens and Taxes; Bonds and Insurance Miscellaneous Equipment and Services Web Resources; Review Questions
07	**LABOR**			7—1 Labor Hours and Productivity 7—2 Fair Labor Standards Act 7—3 Davis-Bacon Act 7—4 Unions–Wages and Rules 7—5 Open Shop; 7—6 Labor Burden; 7—7 Pricing Labor; Web Resources; Review Questions
08	**EQUIPMENT**			8—1 General; 8—2 Equipment Productivity 8—3 Operating Costs; 8—4 Ownership Costs 8—5 Leasing Costs; 8—6 Rental Costs 8—7 Miscellaneous Tools; 8—8 Cost Accounting 8—9 Mobilization ; 8—10 Checklist, Review Questions
09	**SPECIALTY CONTRACTORS**			9—1 Specialty Contractors 9—2 Request for Quote 9—3 Writing a Scope of Work 9—4 Checking Specialty Contractor Bids 9—5 Selecting Specialty Contractors Review Questions
10	**EXCAVATION**			10—1 General; 10—2 Specifications; 10—3 Soil 10—4 Calculating Excavation; 10—5 Equipment 10—6 Earthwork–New Site Grades and Rough Grading; Cross-

				Section Method; Average End Area; 10—7 Perimeter and Area; 10—8 Topsoil Removal; 10—9 General Excavation; 10—10 Special Excavation; 10—11 Backfilling; 10—12 Excess and Borrow; 10—13 Spreading Topsoil, Finish Grade 10—14 Landscaping; 10—15 Pumping (Dewatering) 10—16 Rock Excavation; 10—17 Subcontractors 10—18 Excavation Checklist; 10—19 Piles 10—20 Pile Checklist ; 10—21 Asphalt Paving Web Resources; Review Questions
11	**CONCRETE**			11—1 Concrete Work; 11—2 Estimating Concrete 11—3 Reinforcing; 11—4 Vapor Retarder 11—5 Accessories; 11—6 Concrete Finishing 11—7 Curing; 11—8 Transporting Concrete 11—9 Forms; 11—10 Form Liners 11—11 Checklist; 11—12 Precast Concrete 11—13 Specifications; 11—14 Estimating 11—15 Precast Tees; 11—16 Precast Slabs 11—17 Precast Beams and Columns 11—18 Miscellaneous Precast; 11—19 Precast Costs 11—20 Precast Checklist Web Resources; Review Questions
12	**:MASONRY**			12—1 General; 12—2 Specifications; 12—3 Labor 12—4 Bonds (Patterns); 12—5 Concrete Masonry Concrete Block; 12—6 Specifications–Concrete Masonry 12—7 Estimating–Concrete Masonry;12—8 Clay Masonry; 12—9 Specifications–Brick; 12—10 Estimating Brick;12—11 Specifications–Tile 12—12 Estimating Tile; 12—13 Stone Masonry 12—14 Specifications–Stone;12—15 Estimating Stone; 12—16 Mortar; 12—17 Accessories 12—18 Reinforcing Bars; 12—19 Cleaning 12—20 Equipment; 12—21 Cold Weather 12—22 Subcontractors; 12—23 Checklist Web Resources; Review Questions
13	**METALS**			13—1 General; 13—2 Structural Metal; 13—3 Structural Metal Framing; 13—4 Metal Joists; 13—5 Metal Decking; 13—6 Miscellaneous Structural Metal; 13—7 Metal Erection Subcontractors; 13—8 Miscellaneous Metals; 13—9 Metal Checklist Web Resources; Review Questions
14	**WOOD**			14—1 Frame Construction;14—2 Board Measure 14—3 Floor Framing; 14—4 Wall Framing; Exterior Walls Interior Walls; 14—5 Ceiling Assembly 14—6 Roof Assembly14—8 Labor; 14—9 Wood Systems 14—10 Wood Trusses; 14—11 Laminated Beams and Arches 14—12 Wood Decking; 14—13 Plywood Systems

				14—14 Wood Checklist; Web Resources; Review Questions
15	**THERMAL AND MOISTURE PROTECTION**			15—1 Waterproofing and Damp proofing; 15—2 Membrane Waterproofing; 15—3 Integral Method; 15—4 Painted Method 15—5 Insulation; 15—6 Air and Water Barriers 15—7 Aluminum and Vinyl Siding, Soffit, and Fascia 15—8 Stucco; 15—9 Roofing; 15—10 Roof Areas; 15—11 Asphalt Shingles; 15—12 Wood Shingles; 15—13 Slate Shingles 15—14 Clay and Concrete Tile; 15—15 Sheets, Tile, and Shingles Formula; 15—16 Metal Roofing; 15—17 Roof Insulation 15—18 Built-up Roofing; 15—19 Membrane Roofing 15—20 Flashing and Trim; 15—21 Roofing Accessories 15—22 Labor; 15—23 Equipment; 15—24 Caulking; 15—25 Checklist; Web Resources; Review Questions
16	**DOORS AND WINDOWS**			16—1 Window and Curtain Wall Frames; 16—2 Accessories 16—3 Doors; 16—4 Prefitting and Machining (Premachining) Doors 16—5 Prefinishing Doors; 16—6 Door Frame; 16—7 Hardware 16—8 Accessories; 16—9 Checklist for Doors and Frames 16—10 Glass; Review Questions
17	**FINISHES**			17—1 Drywall and Wetwall Construction; 17—2 Supporting Construction; 17—3 Types of Assemblies; 17—4 Drywall Types 17—5 Drywall Accessories; 17—6 Estimating Drywall; 17—7 Column Fireproofing; 17—8 Wetwall Construction; 17—9 Plaster 17—10 Lath; 17—11 Accessories; 17—12 Suspended Ceilings 17—13 Flooring; 17—14 Wood Flooring; 17—15 Laminate Flooring 17—16 Resilient Flooring; 17—17 Carpeting; 17—18 Tile 17—19 Wood Panels; 17—20 Painting; 17—21 Finishes Checklist Web Resources; Review Questions
18	**ELECTRICAL**			18—1 Electrical Work; 18—2 Single Contracts; 18—3 Separate Contracts; 18—4 Coordination Requirements; 18—5 Electrical Estimates; 18—6 Electrical Estimates Using Assemblies 18—7 Detailed Electrical Estimates; 18—8 Conduit and Wiring 18—9 Checklist; Review Questions
19	PLUMBING			19—1 Plumbing Work; 19—2 Single Contracts; 19—3 Separate Contracts; 19—4 Coordination Requirements; 19—5 Plumbing Estimates; 19—6 Plumbing Estimates Using Assemblies 19—7 Detailed Plumbing Estimates; 19—8 Piping 19—9 Fire Sprinklers; 19—10 Checklist; Review Questions
20	HVAC			20—1 HVAC (Heating, Ventilating, and Air-Conditioning) Work 20—2 Single Contracts; 20—3 Separate Contracts 20—4 Coordination Requirements; 20—5 HVAC Estimates 20—6 HVAC Estimating Using Assemblies ; 20—7 Detailed HVAC Estimates; 20—8 Checklist; Review Questions
21	PROFIT			21—1 Profit; 21—2 Assessing Risk; 21—3 Assessing the Competition; Review Questions

22	Other Estimating Methods			22—1 Overview; 22—2 Project Comparison Method 22—3 Square-Foot Estimating; 22—4 Assembly Estimating Web Resource; Review Questions
23				A. Drawings and Outline Specifications for Small Commercial Building; B. Drawings and Outline Specifications for Residential Building Project; C. Drawings and Outline Specifications for Commercial Building Project; D. Drawings for Billy's C-Store E. Drawings and Outline Specifications for Real Estate Office F. Bid-Sum; G. Conversions; H. Sample Equipment Costs I. Common Terms Used in the Building Industry J. Spreadsheets
	ISBN-13: 978013470165			Estimating in Building Construction, 9th Edition
	Totals			

NISVT –

IRON WORKER LEVEL 1

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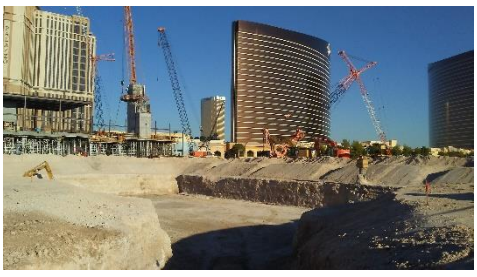
O*NET CODE: 47-2221.00





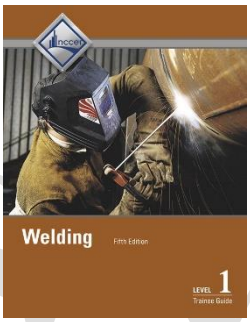
NISVT –
IRON WORKER LEVEL 1
STRUCTURAL STEEL AND IRON APPRENTICE PROGRAM

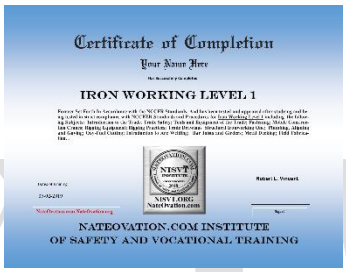
Iron Worker Level One Apprentice Program.

Designed for Working and New Iron Workers

Get Certified so you can enter the IRON WORKING and Steel INDUSTRY TODAY.

O*NET CODE: 47-2221.00





Price: $1500.00

Hours: 40

Books: Iron Working ISPN-13:978-0-13-213714-0 $ 120.00.

Payments: Available $300.00 Down Balance at end of class. OR BY MODULE. There is no excuse to not get Certified.

Prerequisites: OSHA 10

Options: The course is comprised of only 15 modules. Which means every module is a course in itself. So, you can come in after work. Take 2 modules, or 1 module and go home. Pretty soon, before you know it you have earned your certificate. You can start or close at any time.

Employment: Immediate Good possibilities. We cannot guarantee employment but we have contacts and resources to help.

With this Certificate you will be able get a job as a iron worker.

Structural Iron and Steel Workers - 47-2221.00

O*NET-SOC Description	Tasks
Raise, place, and unite iron or steel girders, columns, and other structural members to form completed	5 of 20 displayed

structures or structural frameworks. May erect metal storage tanks and assemble prefabricated metal buildings.

Sample of Reported Job Titles

Fitter
Fitter / Welder
Iron Worker
Iron Worker Foreman
Ironworker
Rigger
Steel Fabricator
Steel Worker
Structural Steel Erector
Tower Hand

Military Crosswalk Titles

4 of 22 displayed

Advanced Steelworker (Navy - Enlisted)
Cannon Crewmember (Army - Enlisted)
Steelworker (Coast Guard - Enlisted)
Steelworker (Navy - Enlisted)

Apprenticeship Crosswalk Titles

Assembler, Metal Building Structural Steel/Ironworker
Structural-Steel Worker
Tank Setter

- Assemble hoisting equipment or rigging, such as cables, pulleys, or hooks, to move heavy equipment or materials.
- Bolt aligned structural steel members in position for permanent riveting, bolting, or welding into place.
- Catch hot rivets in buckets and insert rivets in holes, using tongs.
- Connect columns, beams, and girders with bolts, following blueprints and instructions from supervisors.
- Cut, bend, or weld steel pieces, using metal shears, torches, or welding equipment.

Detailed Work Activities

5 of 17 displayed

- Assemble temporary equipment or structures.
- Assist skilled construction or extraction personnel.
- Cut metal components for installation.
- Dismantle equipment or temporary structures.
- Fabricate parts or components.

DOT Crosswalk Titles

Assembler, Metal Building
Structural-Steel Worker
Structural-Steel-Worker Apprentice
Tank Setter

1. Based on the Ironworking Level One NCCER Contren Learning series Book.

NO.	Module	Name	Hours	- OBJECTIVES
01	30101-11	**Introduction to the Trade** **Hours:** **Pages:** **Slides:**	2.5 2.5 20	When you have completed this module: You will be able to do the following: 01. Identify the personal qualities that contribute to successful employment. 02. Describe the historical development of the Trade. 03. Identify the principals and purpose of Apprenticeship Training. 04. Identify employer and employee Safety obligations.
02	30101-11	**Trade Safety** **Hours:** **Pages** **Slides**	2.5 2.5 44	When you have completed this module: You will be able to do the following: 1. Describe the consequences of on the job accidents. 2. . Explain the special responsibilities of OSHA. 3: List potential hazards for Ironworkers. 3. Describe safe work practices when near cranes. 4. List Major health hazards classified by OSHA. 5. Identify and explain the safe operation of various pieces of equipment, including: 6. Aerial lifts, Generators, Compressors, Forklifts.
03	30103-11	**Tools and Equipment of the Trade** **Hours:** **Pages:** **Sides**	2.5 2.5 25	When you have competed this module, you will be able to do the following; 1. Identify and explain commonly used safety tools and equipment. 2. Identify and describe the proper use of common Ironworking Tools. 3. Identify and describe the proper use of common iron working power tools.
04	30104-11	**Fastening** **Hours:** **Pages:** **Sides**	2.5 2.5 14	When you have completed this module, you will be able to do the following: 1. Recognize and identify A-325 and A-490 bolts, washers, and nuts by their identifying marks. 2. Identify the four common methods of correctly tensioning bolts. 3. Describe how to use the Tension control, calibrated wrench, turn-of-nut, and load -indicating. washer methods of tightening high strength bolts.
05	30105-11	**Mobile Construction Cranes** **Hours:** **Pages:** **Sides**	2.5 2.5 38	When you have completed this module, you will be able to do the following: 1. Identify and Describe common lifting equipment. 2. Identify and explain commonly used construction cranes. 3. Identify and explain crane manuals, record keeping, and safety. 4. Describe the activities involved in assembling construction cranes. 5. Identify and use the correct hand signals to guide a crane operator.
06.	30106-11	**Rigging Equipment** **Hours:** **Pages:** **Sides**	3.0 3.0 27	Objectives: When you have completed this module, you will be able to do the following: 1. Identify and describe the uses of common rigging hardware and equipment. 2. Perform a safety inspection on hooks, slings, and other rigging equipment. 3. Describe common slings, and determine sling capacities and angles. 4. Select, inspect, use and maintain special rigging equipment including: Block and Tackle, Chain Hoists, Come-a longs, jacks, tuggers, wire rope, Chain. 5. Inspect heavy rigging hardware. 6. The knots used in Rigging.

NO	Module	Title	Hours	OBJECTIVES
07	30107-11	**Rigging Practices** **Hours:** **Pages:** **Sides**	3.0 3.0 27	When you have completed this module, you will be able to do the following: 1. Determine the center of gravity of a load. 2. Identify the pinch pints of a cranes. 3. Identify the site and environmental hazards associated with rigging. 4. Properly attach rigging hardware for routine lifts. 5. Identify the components of a lift plan. 6. Perform Sling tension calculations. 7. Determine the weight of beams and basic weight estimation. 8. Explain D / d.
08	30108-11	**Trade Drawings One** **Hours:** **Pages:** **Sides**	4.0 4.0 30	When you have completed this module, you will be able to do the following. 1. Identify the materials used in steel frame buildings. 2. Name the parts of steel frames. 3. Interpret symbols used on plans and drawings, including symbols for: Structural Steel; Ornamental Iron Work; Welding
09	30109-11	**Structural Ironworking One** **Hours:** **Pages:** **Sides**	2.0 2.0 11	When you have completed this module, you will be able to do the following; 01. Identify the types of construction that use structural steel. 02. Describe the steel structure erection process. 03. State the Principals of Structural Stresses. 04. Identify the components of common steel structures. 05. Explain the requirements of bolted connections. 06. List the advantages of pre-engineered structures.
10	30110-11	**Plumbing, Aligning, and Guying** **Hours:** **Pages:** **Sides**	2.0 2.0 15	When you have completed this module, you will be able to do the following: 1. Describe the purpose and function of aligning and plumbing steel structures. 2. Identify the tools and equipment used for aligning and plumbing, steel structures. 3. Identify the components of column bases, base plate, and foundation failures. 4. Explain selected plumbing and aligning tasks.
11	29102-09	**Oxy-Fuel Cutting** **Hours:** **Pages:** **Sides**	3.0 3.0 60	When you have completed this module, you will be able to do the following; 1. Identify and explain the use of Oxy-fuel cutting equipment. 2. Setup Oxy-fuel equipment. 3. Light and adjust an Oxy-fuel Torch. 4. Shut down Oxy-fuel cutting equipment. 5. Disassemble Oxy-fuel equipment. 6. Change Cylinders. 7. Perform Oxy-fuel cutting. Straight line and square shapes.; Piercing and slot cutting, Bevels, Washing, Gouging 8. Operate a motorized, portable Oxy-fuel gas cutting machine.
12	30112-11	**Introduction to Arc Welding** **Hours:** **Pages:** **Sides**	2.5 2.5 65	When you have completed this module, you will be able to do the following; 01. Identify different welding processes and welding equipment. 02. State Safety Precautions associated with Arc Welding. 03. Identify and explain shielded metal arc welding (SMAW) Electrodes. 04. Identify weld joints, their dimensions, and their applications from weld symbols and drawings. 05. Explain how to set up and use SMAW equipment to weld steel. 06. Explain the different codes governing welding.

NO	MODULE	NAME	HOURS	OBJECTIVES:
13	30113-11	**Bar Joists and Girders** **Hours:** **Pages:** **Sides**	2.0 2.0 10	When you have completed this module, you will be able to do the following; 1. Recognize the various type of bar joists. 2. Explain how bar joists re designated. 3. Describe the proper erection procedures for bar joists. 4. Explain the use of joist girders in steel joist construction systems.
14	30114-11	**Metal Decking** **Hours:** **Pages:** **Slides:**	2.5 2.5 20	When you have completed this module, you will be able to do the following; 01. Identify and explain types of decking, and deck profiles. 02. Describe how decking is packaged, shipped, and stored. 03. Erect decking and observe Job-Site Safety. 04. Explain the effects of deck penetrations and damage. 05. Demonstrate how to place concrete. 06.
15	30115-11	**Field Fabrication** **Hours:** **Pages:** **Sides**	2.5 2.5 31	When you have completed this module, you will be able to do the following; 01. Identify safety hazards associated with ironworking fabrication 02. Use common Layout Tools 03. Fabricate Angle Iron to given dimensions. 04. Fabricate T-Shapes to given dimensions. 05. Fabricate W-Shapes to given dimensions.
		End		

Certificate of Completion

Your Name Here

Has Successfully Completed

IRON WORKING LEVEL 1

Forever Set Forth In Accordance with the NCCER Standards. And has been tested and approved after studying and being tested in strict compliance with NCCEER Standards and Procedures for Iron Working Level 1 including the following Subjects: Introduction to the Trade. Trade Safety; Tools and Equipment of the Trade; Fastening; Mobile Construction Cranes; Rigging Equipment; Rigging Practices; Trade Drawings Structural Ironworking One; Plumbing, Aligning and Guying; Oxy-Fuel Cutting; Introduction to Arc Welding; Bar Joists and Girders; Metal Decking; Field Fabrication. .

Dates of Training

05-02-2019

NateOvation.com NateOvation.org

NISVT.ORG
NateOvation.com

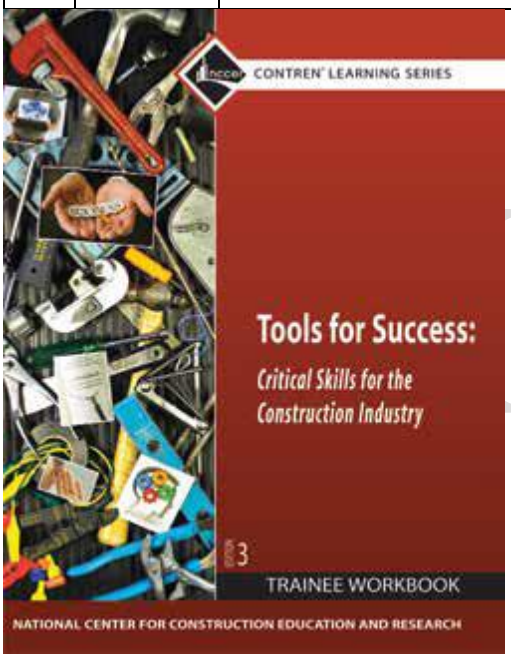
Robert L. Vincent

Signed

NATEOVATION.COM INSTITUTE
OF SAFETY AND VOCATIONAL TRAINING

TOOLS FOR SUCCESS!: CRITICAL SKILLS FOR THE CONSTRUCTION INDUSTRY

01				



PAPERBACK ISBN
Trainee Workbook: $32 **978-0-13-610649-4**
Instructor's Handbook: $32 **978-0-13-610650-0**
This workbook is designed for employees entering the construction industry and has been reviewed and updated with input from construction and training professionals.
The Instructor's Handbook includes an annotated instructor's outline, recommended
teaching schedules, answers to quizzes, and tips and ideas for enhancing class

Heavy Equipment Machine Operator

Curriculum Notes
• 165 Total hours (Includes 72.5 hours of *Core Curriculum,*
which is a prerequisite for completion and must be purchased separately. See p. 14 for ordering information.)
• Revised: 2012, Third Edition
• Downloadable instructor resources that include module tests,
PowerPoints®, and performance profile sheets are available
at www.nccer.org/irc.

PAPERBACK ISBN
Trainee Guide: $67 **978-0-13-292142-8**
Instructor's Guide: $67 **978-0-13-292166-4**
NCCERconnect Access Card: $67 **978-0-13-448249-1**
NCCERconnect + Trainee Guide: $92 **978-0-13-453974-**

No	NCCER NO	LEVEL	Description	Objectives	
01	22101-12	**01**	**Orientation to the Trade** *(5 Hours)* *Slides 24*	Instructor $20 ISBN 978-0-13-292312-5 (Module ID 22101-12) Provides an overview of heavy equipment terminology, operations, operator responsibilities, career opportunities, and basic principles of safety.	
02	22102-12	**01**	**Heavy Equipment Safety** *(10 Hours)* *Slides 58*	(Module ID 22102-12) Provides a comprehensive overview of safety requirements on job sites with emphasis on OSHA, MSHA, and NIOSH requirements. Presents basic requirements for personal protection, safe equipment operations and maintenance, and HAZCOM.	
03	22103-12	**01**	**Identification of Heavy Equipment** *(5 Hours)* *Slides 49*	(Module ID 22103-12) Introduces the eleven most used pieces of heavy equipment. Describes the functional operation and uses for each piece of equipment, along with a general description of heavy equipment drive and hydraulic systems.	
04	22104-12	**01**	**Basic Operational Techniques** *(27.5 Hours)* *Slides 49*	(Module ID 22104-12) Covers prestart checks of a machine's hardware (frame, body panels, tires or tracks, and safety equipment), driveline components, hydraulic system components, electrical components, and controls. Reviews machine safety issues. Explains how to safely start, move, steer, stop, and shut down different types of machines.	
05	22105-12	**1**	**Utility Tractors** *(17.5 Hours)* Slides 43	(Module ID 22105-12) Covers operation of general utility tractors in the construction industry. Describes duties and responsibilities of the operator, safety rules for operation, the attachment of implements, and basic preventive maintenance practices.	
06	22201-12	1	**Introduction to Earthmoving** *(12.5 Hours)* *Slides 38*	(Module ID 22201-12) Provides a broad introduction to the process of planning and executing earthmoving activities on various types of construction projects. The use of heavy equipment such as bulldozers, scrapers, excavators, and loaders is explained.	

07	22106-12	1	**Grades** *(15 Hours)* *Slides Part 1: 52* *Slides Part 2 -*	(Module ID 22106-12) Introduces the concept of preparing graded surfaces using heavy equipment. Covers identification of construction stakes and interpretation of marks on each type of stake. Describes the process for grading slopes.	
01	22206-13	2	**Rough Terrain Forklifts** *(22.5 Hours)* *Slides 52 Slides:*	(Module ID 22206-13) Covers the uses of forklifts on construction sites. Includes instructions for lifting, transporting, and placing various types of loads, as well as safety, operation, and maintenance procedures.	
02	22202-13	2	**On-Road Dump Trucks** *(20 Hours*	(Module ID 22202-13) Covers uses, inspection, startup, shutdown, operator maintenance, and operation of dump trucks used to carry loads on public highways. Includes operation of dump trucks in normal and emergency situations.	
03	222207-13	2	**Excavation Math** *(17.5 Hours)*	(Module ID 22207-13) Covers basic math skills required for site excavation work. Includes methods and practice in calculating the areas and volumes of various geometric shapes, as well as formulas and methods used to calculate cut and fill requirements on a job.	
04	22209-13	2	**Interpreting Civil Drawings** *(20 Hours)*	Module ID 22209-13) Explains how to read site plans to calculate cut and fill requirements. Provides instruction and practice in interpreting both roadway and construction site drawings used for excavation and grading work.	
05	22210-13	2	**Site Work** *(20 Hours)*	(Module ID 22210-13) Expands on information covered in Level 1 in relation to setting and interpreting grade stakes. Also provides information and instructions on controlling surface water and ground water on a job site, as well as the layout of foundations and laying of pipe.	
06	22308-13	2	**Soils** *(10 Hours)*	(Module ID 22308-13) Describes soil classification systems and explains how shrink and swell factors affect equipment selection. Discusses how soil conditions affect equipment performance and explains techniques for working with various types of soils.	
07	22212-30	2	**Skid Steers** *(22.5 Hours)*	Instructor $20 ISBN 978-0-13-340337-4 (Module ID 22212-13) Describes the many uses of skid steers and the attachments available for these machines. Covers safety practices, as well as inspection, startup, shutdown, and operation of skid steers.	
08	22205-13	2	**Loaders** *(17.5 Hours)*	(Module ID 22205-13) Covers the uses of wheel and track loaders, as well as operator maintenance, loader safety, and operating procedures. Includes procedures for using loaders in excavation, grading, and demolition work.	
09	22204-13	2	**Scrapers** *(17.5 Hours)*	(Module ID 22204-13) Describes the types of scrapers used in site preparation, as well as the safe practices associated with the operation of scrapers. Covers operator inspection and maintenance requirements, along with startup, shutdown, and operating techniques.	
10	22307-14	2	**Finishing and Grading** *(25 Hours)*	Module ID 22307-14) Provides training on common types of equipment and instruments used for finish grading; materials and methods used to stabilize soils and control soil erosion; and finishing and grading methods used for various	

				applications.	
11	22203-14	2	**Compaction Equipment** *(25 Hours)*	(Module ID 22203-14) Provides training on common types of compaction equipment; the primary instruments, controls, and attachments of a roller; safety guidelines associated with compaction equipment; and prestart inspections, preventive maintenance, and proper operating procedures. Presents factors involved in work activities associated with a roller.	
12	222303-14	2	**Backhoes** *(30 Hours)*	(Module ID 22303-14) Identifies and describes the common uses, types, components, instruments, controls, and attachments of backhoes. Presents safety guidelines, prestart inspection procedures, and preventive maintenance requirements. Describes basic startup and operation, and covers common work activities associated with backhoes.	
13	22310-14	2	**Off-Road Dump Trucks** *(30 Hours*	Trainee $20 ISBN 978-0-13-377958-5 Instructor $20 ISBN 978-0-13-377982-0 (Module ID 22310-14) Identifies and describes the common types, uses, and components of off-road dump trucks. Presents safety guidelines, prestart inspection procedures, and preventive maintenance requirements. Covers basic startup, driving maneuvers, loading, and dumping procedures for off-road dump trucks.	
14	22302-14		**Dozers** *(30 Hours)*	Trainee $20 ISBN 978-0-13-382759-0 Instructor $20 ISBN 978-0-13-377977-6 (Module ID 22302-14) Identifies and describes the common uses, types, and components of dozers. Presents safety guidelines, prestart inspection procedures, and preventive maintenance requirements. Describes basic startup and operation, and covers common work activities associated with dozers.	
15	22304-01		**Excavators** *(35 Hours)*	Trainee $20 ISBN 978-0-13-377959-2 Instructor $20 ISBN 978-0-13-377960-8 (Module ID 22304-14) Identifies and describes the common types, uses, and components of excavators. Presents safety guidelines, prestart inspection procedures, and preventive maintenance requirements. Describes basic startup and operation, and covers common work activities associated with excavators.	
16	22305-01		**Motor Graders** *(40 Hours)*	Trainee $20 ISBN 978-0-13-377962-2 Instructor $20 ISBN 978-0-13-377976-9 (Module ID 22305-14) Identifies and describes the common uses and types of motor graders. Presents safety guidelines, prestart inspection procedures, and preventive maintenance requirements. Describes basic startup and operation, and covers common work activities associated with motor graders	

NATEOVATION.COM INSTITUTE

OF SAFETY AND VOCATIONAL TRAINING

AWS AMERICAN WELDING SOCIETY CERTIFIED LEVEL 1

WELDING PROGRAM

GMAW, FCAW, SMAW, GTAW

PRICE: $ 4,000.00 OR BROWN BAG

TIME: 2 WEEKS LECTURE 32 HOURS ($2000.00)

TIME: 2 WEEKS HANDS ON 20 HOURS ($2,000.00)

(Notice: We reserve the right to modify our pricing in this catalog)

THEORY HOURS: 4-8:00 PM

HANDS ON: INSTRUCTOR APPOINTMENT

12:00-6:00 PM

Brown Bag Approach to Tuition: Each of these Modules is a complete stand alone module in itself, enabling the Student to custom build his learning, or Brown Bagging as he can afford to finance his tuition. In some cases, students just need a class so they can advance in their jobs. Example: A apprentice might move up to Lead Man, so he needs an OSHA 30 Hour Safety card. Or, he works in the steel industry; But needs to learn how to read prints. In some cases, the employer may want to select and pay for what they expect their employee to advance to the next Level.

Symbols & Drawings Perquisites	Certificate of Completion
Score: Quiz	NISVT – Introduction to Iron Working

IronWorking Introduction to the Trade-THEORY - Instructor: Robert Vincent

Hours: 5
$ 500.00

AWS SENSE 1- Introduction to the Trade: NCCER 30102-11

OBJECTIVES: When you have completed the following module you will be able to do the following.

1. Identify the personal qualities that contribute to successful employment.
2. Describe the historical qualities that contribute to successful employment.
3. Identify the principals and purpose of Apprenticeship training.
4. Identify employer and employee safety obligations.

Steel companies can use this course to train their new employees.

AWS LEVEL 1 Module 2 - Welding Safety - Theory - Instructor: Robert Vincent Hours : 5 - Hours
$ 500.00

AWS LEVEL ONE – MODULE 2. Welding Safety – NCCER 29109-15

Objectives: When you have completed this module, you will be able to do the following.

1. Describe basic welding processes, the welding trade, and training / apprenticeship programs. A. Describe basic welding processes and the welding trade. B. Describe the NISVT - NCCER standardized training and explain apprenticeship programs.

2. Identify and describe personal protective equipment (PPE) related to the welding trade.

A. Identify and describe body, foot, and hand protective gear. B. Identify and describe ear, eye, face, and head protective gear.

3. Identify and describe welding safety practices related to specific hazards or environments.

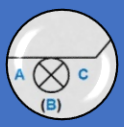
A. Describe the importance of welding practices related to specific hazards or environments.

B. Describe basic welding safety practices related to the general work area.

C, Describe hot work permits and fire watch requirements.

D. Describe confined spaces and related safety practices. E. Identify safety practices related to welding equipment. F Identify and describe respiratory hazards, respiratory safety equipment, and ways to ventilate welding work areas.

Brown Bag Approach to Tuition: Each of these Modules is a complete stand alone module in itself, enabling the Student to custom build his learning, or Brown Bagging as he can afford to finance his tuition. In some cases, students just need a class so they can advance in their jobs IN A SUBJECT. Example: A apprentice might move up to Lead Man, so he needs an OSHA 30 Hour Safety card. Or, he works in the steel industry; But needs to learn how to read prints. In some cases, the employer may want to select and pay for what they expect their employee to advance to the next Level. The most important thing is get trained today and advance tomorrow



AWS 3 Welding
Symbols Theory -
NCCER 29201-15
Instructor: Robert Vincent
HOURS 5
$500.00

AWS SENSE 03 NCCER 29201-15 WELDING SYMBOLS,

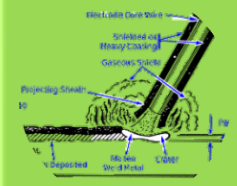
OBJECTIVE: When you have completed this module, you will be able to do the following.

1. Identify and interpret welding symbols and their structure.

A. Describe the structure and placement of welding symbols and identify basic symbols.

B. Identify and interpret size and dimension markings for common types of welds.

C. Identify and interpret less common welding symbols.



AWS 3 - Detail Drawings - Theory
NCCER 29202-15
Hours : 5
$500.00

AWS SENSE MODULE 3 - 29202-15 - Reading Welding Detail Drawings

Hours: 5

OBJECTIVES: When you have completed this module, you will be able to do the following:

1. Describe welding detail drawings and identify basic drawing elements and features.

A. Describe the object views used to depict welding details.

B. Identify basic drawing elements related to welding detail drawings.

2. Identify and explain how to interpret dimensional information, notes, and bill of materials.

A. Identify and explain how to interpret dimensional information.

B. Identify and explain how to interpret notes and a bill of materials.]

Symbols & Drawings Perquisites	Certificate of Completion
Score: AWS 75%	NISVT – Welding Symbols and Blue Print Reading

29107-15 SMAW - Equipment and Setup AWS Sense Module 4

Theory: OBJECTIVES: When you have completed this module, you be able to do the following,

1. Identify SMAW - Related safety practices and explain how electrical characteristics apply to SMAW.

A. Define SMAW and identify related safety practices.

B. Explain how various electrical characteristics apply to SMAW.

2. Identify and describe SMAW equipment.

A. Identify and describe various types of SMAW machines.

B. Identify and describe SMAW welding cable and connectors.

C. Identify common tools used to clean a weld.

3. Explain how to set up and start SMAW Equipment.

A. Explain how to set up SMAW equipment.

B. Explain how to start, stop, and maintain SMAW equipment.

SMAW Perquisites AWS Mod. 4	Certificate of Completion
SCORE: 100% Welding Safety	NISVT & AWS Certificate in SMAW
Outside Testing Organization	Certified Test on Positions

29108-15 SENSE MODULE 4 - SMAW -NCCER Shielded Metal Arc Electrodes Theory:

OBJECTIVES: When you have completed this module, you will be able to do the following.

1. Describe the SMAW electrode classification system and how to select the proper electrode for the task.

A. Describe the AWS Filler metal specification system and various electrode characteristics.

B. Describe the characteristics of the four main electrode groups.

2. Explain how to select electrodes and describe their proper care and handling.

A. Identify various considerations in the selection of the proper electrodes.

B. Describe the proper handling and storage of electrodes

29109-15 SMAW - Beads and Fillet Welds AWS 4 NCCER – Theory:

OBJECTIVES. When you have completed this module, you will be able to do the following

1. Explain how to prepare for SMAW welding and how to strike an Ark.

A. Identify Safety Practices related to SMAW.

B. Explain how to prepare the area and equipment for welding.

C. Explain how to strike an arc and respond to arc blow.

2. Explain how to successfully complete various types of beads and welds.

A. Explain how to properly restart and terminate a weld pass.

B. Describe the technique required to produce stringer beads.

C. Describe the technique required to produce weave and overlapping beads.

D. Describe the techniques required to produce fillet welds and various positions..

29111-15 SMAW AWS MODULE 4 - GROOVE WELDS WITH BACKING - Theory

OBJECTIVES: When you have completed this module, you will be able to do the following.'

1. Identify various types of groove welds and describe how to prepare for groove welding.

A. Identify various types of Groove Welds and describe how to prepare for Groove Welding.

B. Describe how to prepare for Groove Welding.

2. Describe the technique required to produce various Groove Welds.

A. Describe the technique required to produce Groove Welds in in 1G and 2G Positions.

B. Describe the technique required to produce Groove Welds in the 3G and 4G Positions

29112-15 SMAW - Open V-Groove Welds – Plate - Theory

OBJECTIVES.: When you have completed this module, you will be able to do the following.

1. Identify various types of groove welds and describe how to prepare for groove welding.

A. Identify various types of groove welds and define related terms.

B. Describe how to prepare the work area and plate for Groove Welding.

2. Describe the technique required to produce various open V-Groove Welds.

A. Describe the technique required to produce open V-Groove welds in the 1G and 2G positions.

B. Describe the technique required to produce open V-Groove Welds in the 3 G and 4G positions.

Hands On – Lab. Instructor Decall Thomas

Outside Welding Inspector

Coupon Making

Coupon Testing

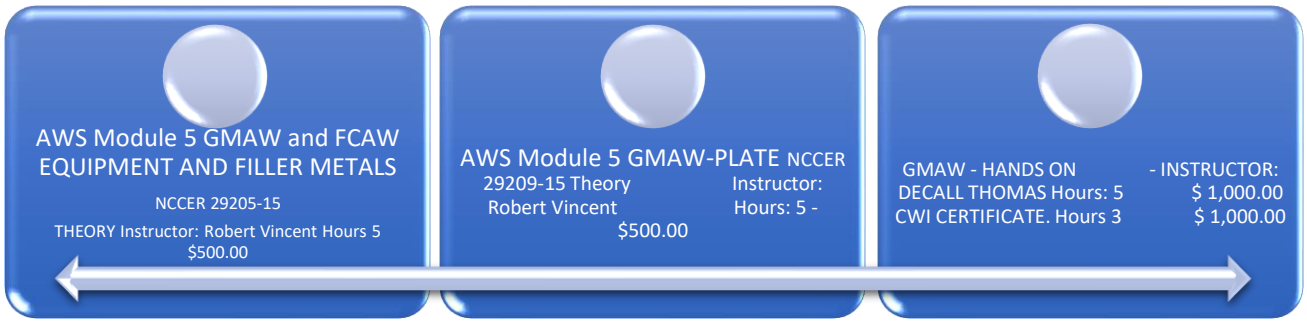
Class Time: 8 Hours

Call Robert Vincent or Decall Thomas to arrange times according to his schedule.

You can decline being tested by our OUTSIDE WELDING INSPECTOR if you don't need that certification and save some money,

Tools Needed

1. Common Cup-Type Striker
2. Tip Cleaner Kit
3. Silver Graphite Pencils or Soap stone marker with holder
4. Metal File, Wire Brush, File Card
5. DeWalt Grinder
6. Flapper Wheel
7. Wire Cup Brush
8. Knotted Wire Wheel, Raised hub grinder wheel
9. Needle Scaler,
10. Weld Flux Chipper
11. Chipping Hammer
12.



29205-15 GMAW AND FCAW Equipment and Filler Metals - AWS Module 5 - Theory

OBJECTIVES: When you have completed this module, you will be able to do the following.

A. Describe basic GMAW/FCAW Process.

B. Identify GMAW/FCAW related safety practices.

C. Describe the FCAW metal transfer process.

2. Describe GMAW and FCAW equipment and explain how to prepare for welding.

A. Identify common GMAW / FCAW welding equipment.

B. Describe power source control considerations..

C. Identify and describe welding cables, and terminations.

D. Identify and describe external wire feeders and their controls.

E. Identify and describe GMAW and FCAW guns, contact tips, and nozzles.

F. Identify various shielding gases and their related equipment.

G. Explain how to set up welding equipment for GMAW and FCAW Welding.

3. Identify various GMAW and FCAW Welding.

A. Identify various GMAW Filler Metals.

B. Identify various FCAW filler metals.

29209-15 GMAW - PLATE - Module 7 - Theory

SENSE OBJECTIVES: When you have completed this module, you will be able to do the following.

1. Identify GMAW-related safety practices and explain how to set up for welding.

A. Describe basic GMAW processes.

B. Identify GMAW-related safety practices.

C. Explain how to safely set up the equipment and work area for welding.'

2. Describe equipment control and welding procedures for GMAW and explain how to produce basic weld Beads.

A. Describe equipment controls and welding techniques related to GMAW.

B. Explain how to produce basic GMAW weld beads.

3. Describe the welding procedures needed to produce proper fillet and V-Groove welds using GMAW Techniques.

A. Describe the welding procedures needed to produce proper fillet welds using GMAW welding, techniques.

B. Describe the welding procedures needed to produce proper V-Groove welds using GMAW techniques.

Hands on FCAW AND GMAW PLATE

WITH DECALL THOMAS WELDING NSTRUCTOR.

5 HOURS

3 Hours if certified by outside Agency

GMAW Perquisites

AWS WELDING SAFETY

SCORE: 100% Welding Safety

LEADS TO CERTIFICATE

NISVT - AWS – GMAW WELDING

Outside Testing Organization
Certified Test on Positions

AWS Module 6 FCAW - PLATE NCCER 29210-15 Robert Vincent - Instructor Hours 5, $ 500.00

AWS Module 6 - FCAW - HANDS ON - Coupon Making Instructor: Decall Thomas - $ 1000.00

AWS Module 6 Coupon Testing by CWI. $ 1000.00

[Grab your reader's attention with a great quote from the document or use this space to emphasize a key point. To place this text box anywhere on the page, just drag it.]

29210-15 FCAW-PLATE: - AWS-SENSE - 6 LEVEL 1

OBJECTIVES: When you have completed this module, you will be able to do the following.

1. Identify FCAW-related safety practices and explain how to prepare for welding.

   A. Describe basic FCAW processes.'

   B. Identify FCAW - Related safety practices.

   C. Explain how to safely set up the equipment and work areas for welding.

2. Describe equipment control and welding procedures for FCAW and explain how to produce basic weld beads.

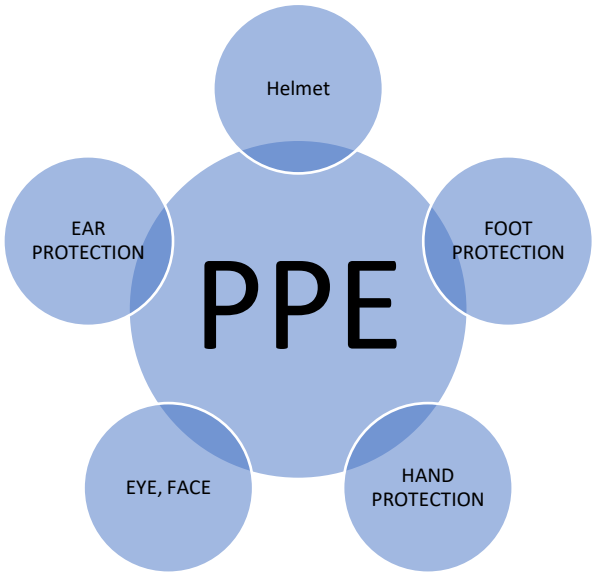
   A. Describe equipment control and welding techniques related to FCAW.

   B. Explain how to produce basic FCAW WELD BEADS.

3. Describe the welding procedures needed to produce proper fillet welds using FCAW Welding techniques.

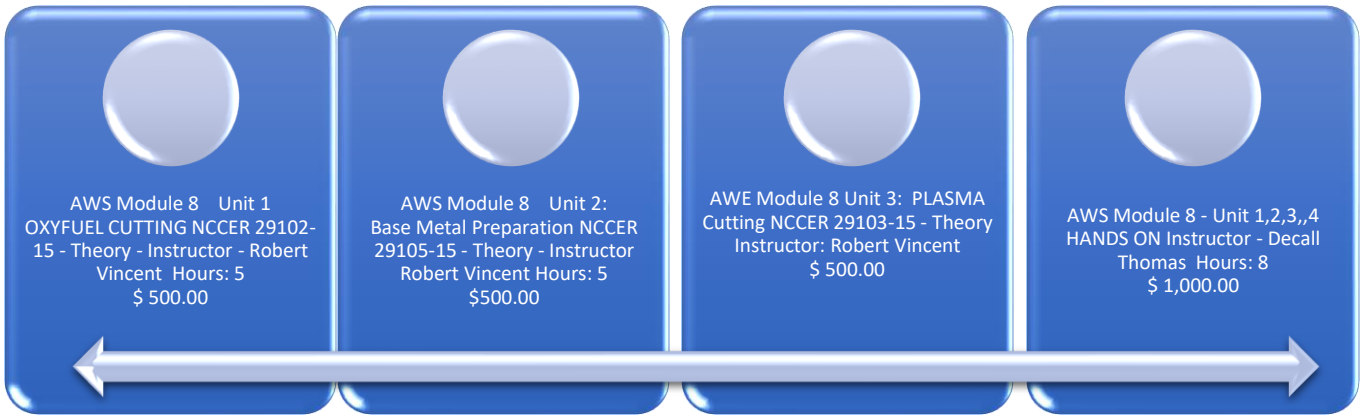
   A. Describe the welding procedures needed to produce proper fillet welds using FCAW welding techniques.

   B. Describe the welding procedures needed to produce proper V-Groove welds using FCAW welding techniques



PERSONAL PROTECTIVE EQUIPMENT

1. 1 Helmet – with Auto Darkening Lens, and or Flip Lens
2. 1. Pair Leather Welding Gloves
3. 1 Pair of Fire Protective Arm Cover
4. 1 Cape (Fastens to an Apron)
5. 1 Leather Apron – or Fire -Resistant Apron
6. or Leather Chaps
7. 1 pair work Tillman Light Weight Welding Gloves
8. 1 pair Clear Safety Glasses-used under Helmet
9. 1 pair Safety Shield for head used while grinding steel or cutting
10. 1 Pair Steel Toed Work Boots- High Top
11. 1 Set of Ear Plugs
12. 1 Leather Jacket –



29102-15 OXYFUEL CUTTING AWS Module 8 Unit 1

OBJECTIVES: When you have completed this module, you will be able to do the following.

1. Describe OXYFUEL Cutting, and identify related safe work practices.

A. Describe bases of Oxyfuel cutting.

B. Identify safe work practices related to Oxyfuel cutting.

2. Identify and describe Oxyfuel cutting equipment and consumables.

A. Identify and describe various gases and cylinders used for Oxyfuel Cutting.

B. Identify and describe various gases and cylinders used for Oxyfuel cutting.

C. Identify and describe cutting torches and tips.

D. Identify and describe other miscellaneous Oxyfuel cutting accessories.

E. Identify and describe, specialized cutting equipment.

3. Explain how to setup, light, and shut down Oxyfuel cutting accessories.

A. Explain how to properly prepare a torch set for operation.

B. Explain how to leak test Oxyfuel Equipment.

C. Explain how to light the torch and adjust for the proper flame.

D. Explain how to properly shut down oxyfuel cutting equipment.

29103-15 Plasma Cutting AWS SENSE 8-U3 –

OBJECTIVES: When you have completed this module, you will be able to do the following.

1. Explain plasma arc cutting processes and identify related safety precautions.

A. Describe the plasma arc cutting processes.

B. Identify and describe plasma arc cutting equipment.

2. Identify and describe plasma arc cutting equipment.

A. Identify and describe plasma arc power units.

B. Identify and describe plasma arc power units.

C. Identify and describe plasma arc cutting gases and gas control devices.

3. Describe how to setup, safely operate, and care for plasma arc cutting Equipment.

A. Describe how to set up plasma arc cutting equipment and the adjacent work area.

B. Describe how to safely operate Plasma Arc Cutting Equip.

C. Describe how to care for Plasma Arc Cutting Equipment.

29104-15 Air Carb on Arc Cutting and Gouging. AWS Module 8 Unit 4.

OBJECTIVES: When you have completed this module you will be able to do the following.

1. Define Air-Carbon Arc Cutting and identify the related equipment and consumables.

A. Define air-carbon arc cutting.

B. Identify and describe air-carbon arc cutting equipment.

C. Identify and describe various type of Electrodes.

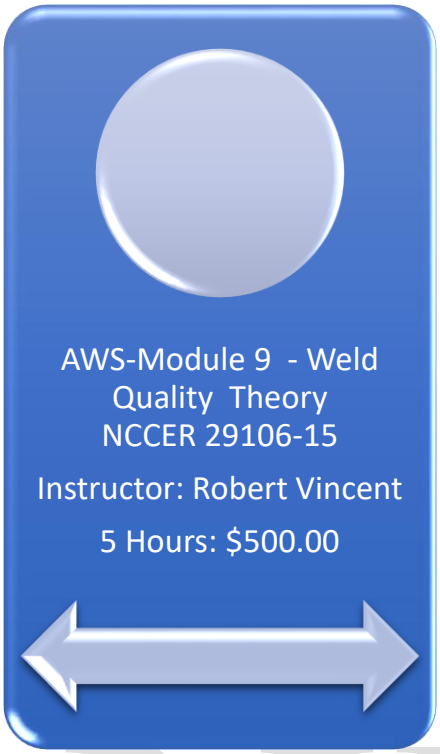
D. Identify Safety Practices related to Air-Carbon Arc Cutting.

2. Describe how to Set up, safely operate, and care for Air-Carbon Arc cutting equipment.

A. Describe how to prepare the equipment and work area for Air Carbon Arc Cutting.

B. Describe how to Wash and Gouge metals.

C. Describe how to care for Air-Carbon Arc-Cutting Equipment.



29106-15 Weld Quality - AWS Module 9

OBJECTIVES: When you have completed this module, you will be able to do the following.

1. Identify and describe the various code organizations that apply to welding and their basic elements.

A. Identify and describe the various code organizations that apply to welding and their Sponsoring Organizations.

B. Identify and describe the basic provisions of welding codes.

2. Identify and describe weld discontinuities and their causes.

A. Identify and describe weld discontinuities and their causes.

B. Identify and describe discontinuities that result from tracking.

C. Identify and describe discontinuities related to joint penetration, fusion, and undercutting.

3. Describe various non-destructive and destructive weld examination practices..

A, Describe basic visual inspection methods including measuring devices and liquid penetrants.

B. Describe magnetic particle and electromagnetic inspection processes.

C. Describe the radiographic and ultrasonic inspection processes.

D. Describe the destructive testing processes..

4. Describe the Welder Performance Testing process.

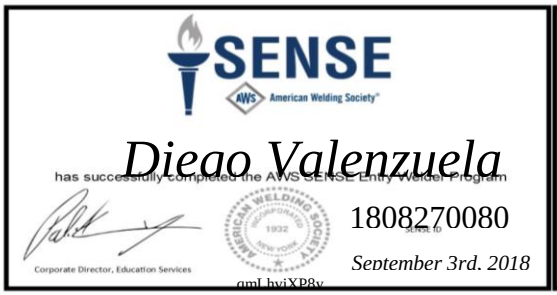
A. Describe the qualification of welders by position.

B. Describe welder Qualification testing to meet AWS and ASME REQUIREMENTS.

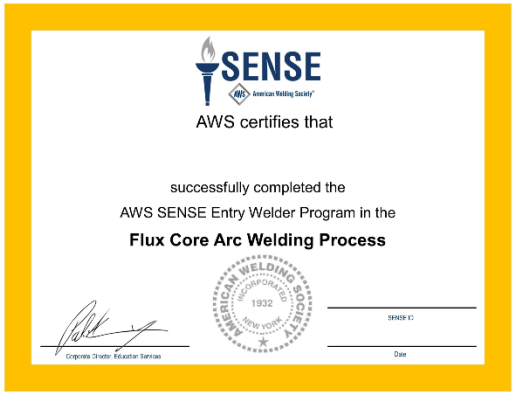
c. Describe the process for completing a weld test.


SENSE
AWS certifies that
successfully completed the
AWS SENSE Entry Welder Program in the
Flux Core Arc Welding Process


SENSE
AWS certifies that
successfully completed the
AWS SENSE Entry Welder Program in the
Gas Metal Arc Welding Process


SENSE
Diego Valenzuela
1808270080
September 3rd. 2018


Completed Welding Processes
Flux Cored Arc Welding Certificate
3 September2018 vmbZ7WS3v1
Gas Metal Arc Welding Certificate
3 September2018 hptJjEbfVr
Shielded Metal Arc Welding Certificate
2 September2018 iD3RBeqiEn


SENSE
AWS certifies that
successfully completed the
AWS SENSE Entry Welder Program in the
Flux Core Arc Welding Process


SENSE
AWS certifies that
successfully completed the
AWS SENSE Entry Welder Program in the
Shielded Metal Arc Welding Process

American Welding Society
OSHA AUTHORIZED

NateOvation.com Institute of Safety and Vocational Safety

OFFICIAL CLASS SCEDULES
and Student Class Attendance
Sign in Rosters History

Apprentice:	
Address	
City:	NV ZIP:
Email:	
Phone:	

Attendance

Sch Days	Absents	Made up	Total	Violations
25	0	2	27	0

Administration and Theory Facilities Location	WELDING SHOP FACILITIES Location
6525 W. Warm Springs Road, Suite 102, Las Vegas NV 89118 702 772-9303	

BOOKED Hours	Total	Actual		Rem
Theory Hours	71	131	0	0	0
Shop Time:	60		0	0	

ITEM	Projected Date	DAY	SENSE	NCCER NO: Theory	PHASE A - PART 1 - Theory Module Description	Start	End	Student SIGN in	SIGN OUT	Instructor Sign
1	1/7/2019	MON	1.0	00107-09	Occupational Orientation, Osha,	12:00 PM	6:00 PM			
2	1/7/2019	MON	1.0	30102-11	Iron Working Level 1, Osha	12:00 PM	6:00 PM			
3	1/8/2019	TUES	2.0	29101-09	Safety and Health of Welder, OSHA	12:00 PM	6:00 PM			
4	1/8/2019	TUES	3.0	29201-02	Welding Symbols AND Drawing, OSHA	12:00 PM	6:00 PM			
5	1/9/2019	WEND	4.0	29107-09, 29108-09, 29109-09	Smaw - Equipment and Setup,Shielded Metal Arc Electrodes, Beeds and Fillet Welds	12:00 PM	6:00 PM			
6	1/10/2019	THURS	4.0	29111-09, 29112-09	Smaw - Groove Welds with backing, SMAW - Open V-Groove Welds	12:00 PM	6:00 PM			
6	1/10/2019	Thurs	5.0	29206-09	GMAW - Gas Metal Arc Welding	12:00 PM	6:00 PM			
7	1/11/2019	Friday	6.0	29206-09	FCAW - Flux Core Arc Welding - GMAW - FCAW	12:00 PM	6:00 PM			
8	1/12/2019	SAT		OFF						
9	1/13/2019	SUN		OFF	OFF - NO CLASSES					
10	1/14/2019	MON	7.0	29208-09	GTAW - PLATE	12:00 PM	6:00 PM			
11	01/15/219	TUES	8.1, 8.2	29102-09, 29105-09	Mechanized Oxyfuel Gas Cutting (DFC) Base Metal Preperation	12:00 PM	6:00 PM			
12	1/16/2019	WEND	8.3, 8.4	29103-09, 29104-09	Manual Plasma Arc Cutting, Carbon Arc Cutting	12:00 PM	6:00 PM			
14	1/17/2019	Thurs	9.0	29106-09	Weld Quality - Inspection & Testing	12:00 PM	6:00 PM			
15	1/18/2018	Last Friday			Rigging, Forklift	12:00 PM	6:00 PM			
16	1/19/2019	SAT			Off - No Classes	8:00 AM	1:00 PM			
17	1/20/2019	SUN			OFF - NO CLASSES					

20 23 NOTICE : All students must sign in at each class module. If no sign in, it didn't happen. Tardyness: not allowed. You are expected to arrive at class 15 min. before class starts. Only Prearranged class make ups are acceptable. Certificates given only upon successful testing of All Theory and Shop.

Instructor: Apprentice

American Welding Society
OSHA AUTHORIZED

NateOvation.com Institute of Safety and Vocational Safety

OFFICIAL CLASS SCEDULES
and Student Class Attendance
Sign in Rosters History

Apprentice:	
Address	
City:	NV ZIP:
Email:	
Phone:	

Attendance

Sch Days	Absents	Made up	Total	Violations
25	0	2	27	0

Administration and Theory Facilities Location	WELDING SHOP FACILITIES Location
6525 W. Warm Springs Road, Suite 102, Las Vegas NV 89118 702 772-9303	

BOOKED Hours	Total	Actual		Rem
Theory Hours	71	131	0	0	0
Shop Time:	60		0	0	

Day	DATE	DAY	PHASE A - PART 2 - SHOP Sign In	Date Sign in	Time	COMMENT	Student Finished	Instructor Sign
1	01/21/19	MON			5:00-9.00 PM	SHOP Orientation		
2	01/22/19	TUES			5:00-9.00 PM	Iron Master		
3	01/23/19	WEND			5:00-9.00 PM	Layout		
4	01/24/19	THURS			5:00-9.00 PM	coupons		
5	01/25/19	FRIDAY			5:00-9.00 PM	coupons		
6	01/26/19	SAT						
7	01/27/19	SUNDAY						
8	01/28/19	MON			5:00-9.00 PM	welding		
9	01/29/19	TUES			5:00-9.00 PM	welding		
10	01/30/19	WEND			5:00-9.00 PM	welding		
11	01/31/19	THURS			5:00-9.00 PM	Testing		
12	02/01/19	FRIDAY			5:00-9.00 PM	testing		
13		SAT						
14		SUNDAY						
15		Mon			5:00-9.00 PM	testing		
16		Tues						
17		WEND						
18	END							
22								

WARNING: All students must sign in at each class module. If no sign in, it didn't happen. Tardyness: not allowed. You are expected to arrive at class 15 min. before class starts, just like a job. Lost OSHA Cards are $35.00 each. No credit given for class if student fails to pass each modules test, and SENSE test. Only Prearranged class make ups are acceptable. Certificates given only upon successful testing of Theory and Shop.

COMMENTS

Instructor:	STUDENT		

School Identification Information	
	Name: NateOvation.com Institute of Safety and Vocational Training, A non-Profit
	Address; 6525 W. Warm Springs Road, Suite 102 Las Vegas, NV 89118
	Phone number: 702-772-9303
	Signature/date block Kevin Spektor, Admissions_____.
Student Identification Information	
	Student name
	Student address
	Student phone number
	Student signature/date block

Statement Requirements

Student Responsibilities*:*

(Please read the following carefully. Failure to comply with any of the provisions below may result in termination of training and / or rescinding of funds awarded)

1. I agree to attend and actively participate in training and to abide by the policies set forth by the training site.
2. The program is designed as a series of standalone modules, graded independently. Each class day, shall comply of a 5-hour day block. Early class dismissal for any reason, uses up the whole 5-hour class day for that day and cannot be made up, unless prearranged by the Instructor.
3. I am given a 15 min brake to go the rest room between class modules and to eat, or smoke in a designated area.
4. If I am asked to leave the class by the instructor, the instructor may discharge me from the program.
5. I hereby authorize the training site to release my student aid report, attendance records, transcripts, progress reports, and any other forms related to training directly to the paying agency and any prospective employer requesting such information.
6. I agree to notify my sponsoring agency Case Manager as soon as possible if I am unable to attend / continue training for any reason. I further agree to return to NITV upon request any books, materials, equipment, uniforms, Personal Protective Equipment (PPE), or any other supplies purchased by my sponsoring agency _FIT___ on my behalf.
7. I agree to maintain, at minimum, monthly contact with my ___FIT___ Case Manager in order to keep him/her appraised of my training progress.
8. I agree to actively job search following training, and to complete and submit monthly job search logs to my Sponsoring Agency ___FIT___. I understand that my failure to turn in job search logs monthly could result in the termination of my participation in the Sponsoring Agency ___FIT program, as well as disqualify me from receiving any future services.
9. I am responsible for my own transportation to the training site.
10. I am responsible to arrive 15 min. before class starts. _____Initial.
11. I will show respect to the instructor at all times.
12. I will not use foul language during class discussions. _____Initial.
13. I am responsible to study my supportive books, publications, brochures, and complete homework assignments. ___Initial.
14. I am to come to class 100% awake. I am not allowed to slouch in chair or make disruptive behavior in the class. _____Initial.
15. I am not allowed to clown around in class _____initial.
16. I will not drink any alcohol or drugs, before or while attending class. _____initial.
17. If I take prescribed medicine then I am required to alert my shop instructor of the nature of the medicine and the illness, because I will be working around welding equipment, drills, saws, hand tools, grinders, that could cause bodily harm, loss of limbs, and even death, to myself and to others. _____initial.
18. I will not use or touch any tool without a machine guard, and I will read the instruction manual for the tool. _____initial.
19. I will not climb on or attempt to sit in any forklift while the instructor is not present. _____initial.
20. I will abide by all safety rules of the shop. I will wear Safety Glasses and Hat, aprons, PPE, always, even approaching the building. _____initial.
21. I WILL NOT USE ANY MACHINE, ANY FORKLIFT, OR EQUIPMENT UNLESS I HAVE BEEN AUTHORIZED, JUST PRIOR BY MY INSTRUCTOR TO USE IT. FORKLIFT CERTIFICATION DOES NOT GIVE YOU A LICENSE TO USE ANY FORKLIFT. _____initial.
22. ***I WILL MAKE MY OWN TIME CARDS OUT, NOR SIGN OUT OR IN ANOTHER STUDENT ON MY CLASS TIME CARD. _____initial.***
23. ***I will complete all forms provided in full and fill out them out to the best of my abilities.***

Refund policy in **bold print: NateOvation.com Institute of Safety and Vocational Training Refund Policy is as follows.**

NISV – Is required to submit to Sponsoring Agency _____ an invoice and monthly attendance and progress reports enrolled in training. _____ will not release any funds scheduled to be paid on behalf of a participant for whom attendance / progress reports have not been received. Additionally, _____ must receive from the training site an Invoice for all payments due before any payment can be processed.

Percentage of Training Hours Completed	Percentage of Award to be Paid
0%	0%
1-25%	25%
26-50%	50%
51-75%	75%
76%-100%	100%

Disclaimer in **bold print** that placement in a job is not guaranteed nor promised to graduate – NateOvation.com Institute of Safety is NOT a placement agency. Placement in a job is not guaranteed or promised to graduates.

Effective date of catalog under which the student is enrolled - 10-01-2018

Statement in **bold print** that the person signing the enrollment agreement understands it and has received a copy of the catalog or brochure and understands it is part of the enrollment agreement –

I have received a copy of the catalog or brochure and understand it is a part of the Enrollment – Agreement.

Student: _____

Program Information

Full name of training program – **Welding – Apprentice Iron Worker**

Actual number of credits *AND* hours to complete the training program – EXAMPLE

Start Date	Mon	Tues	Wend	Thurs	Friday

Start date of training program -

Total cost of the training program -

Funding Information	
	Schedule of payments, if applicable 50% Starting and 50% when completed by _____ _____ _____..
	Policy of credit for previous training and any reduction in cost and length of training program. We can not give previous credit for training or experience to apply towards the funding of the training.

Signed by the Student:	Date:	Instructor: Robert L. Vincent _____

Job Placement POLICY: NISVT IS NOT A JOB PLACEMENT AGENCY:

- **A.** NISVT is not a Job Placement Agency: That is the Job of Placement Agencies.
- **B.** NISVT Does not guarantee or give any kind of warranty that the student will be placed in a guaranteed job after Training. The student is responsible for creating his / her own resume and updating their resume to reflect their training. The student is employable as an apprentice.
- **C.** We offer a Job Placement Page on our NISVT.ORG Website of employers looking to hire. Anyone can visit the page and get information on who is hiring.
- **D.** NISVT Does recommend special needs students to employers who call in requesting help.

NISVT IS HOWEVER IN CONTACT WITH LOCAL EMPLOYERS, WHO WILL READLY ACCEPT OUR STUDENTS. We do help our students find jobs whenever possible.

Books, Association Dues, Personal Protective Equipment is excluded from the cost of each course. The Student is expected to pay for their own books, PPE, and association registrations. .

Tuition, Financing, Scholarships, Financial Assistance

- **A.** Tuition- Currently Tuition is paid either by Cash, Check, Visa Card, Master Card, Student Private Loan, Promissory Note or Brown Bagging – Pay as you go. The classes are structured so that the student can at least begin his first class with little or no money, and then progress as he receives income from his job or other source.
- **B.** Financing – Students may apply for a personal loan to pay for their tuition. Government loans are not yet available, until the 3 rd. quarter of 2019.
- **C.** Scholarships – May apply for a $1,000.00 or more scholarship from American Welding Society that is paid directly to NISVT if one is awarded.
- **D.** Financial Assistance – No student is turned away! You can pay for most of your classes with a Promissory Note to help you get started.
- **E.** We refer our special needs students to
  1) ONE-STOP 6330 W. Charleston Blvd, Las Vegas, NV 89146 702-822-4229
  2) FIT – Foundation for Independent Tomorrow, 1931 Stella Lake Drive, Las Vegas, NV 89116 702-367-4348

NateOvation.com Institute

of

Safety and Vocational Training

Certificate of Achievement

This is to Certify

Diego Valenzuela

Has successfully completed a coveted course of instruction in Iron Working and Welding Trades. In compliance with OSHA 30 Hour Construction Safety and Health Training Program of University of Southern California San Diego OSHA Outreach program. Certified Forklift Training, Rigging Training. Completed; NCCER Introduction to Iron Working completed; And additional Welding training certified and trained according to AWS SENSE - American Welding Society GMAW, FCAW, SMAW, welding and cutting processes combined with NCCER- National Center for Construction and Education and Research Standards training materials in the welding processes of GMAW, FCAW, and SMAW according to SENSE welding training processes STANDARDS. For outstanding entry as an Apprentice Iron Worker into the Construction Workplace as an Certified Apprentice Iron Worker and is proudly presented this Vocational Certificate of Achievement.

NISVT.ORG
NateOvation.com

Class 60327-30 **07/17/18 – 09/03/18**

Robert L. Vincent

STANDARDS OF APPRENTICESHIP

DEVELOPED BY

•

NateOvation.com

Institute of Safety and Vocational Training

A Non-Profit Apprentice Learning Management System for the Public Good

FOR THE OCCUPATION OF

Structural Steel Welder - Ironworker

O*NET-SOC CODE: 47-2221.00 **RAPIDS CODE: 0669**

And

Welding – Welder Combination

O*NET – SOC CODE: 51-4121.06

RAPIDS CODE: 0622R

APPROVED BY

State of Nevada: Department of Business and Industry Office of Labor Commissioner

These "model" complies with … Title 29, CFR parts 29 and 30. It is tailored to sponsor's apprenticeship program. These model Standards do not create new legal requirements or change current legal requirements. The legal requirements related to apprenticeship that apply to registered apprenticeship programs are contained in 29 U.S.C. 50 and Title 29, CFR parts 29 and 30. Every effort has been made to ensure that the information in the model Apprenticeship Standards is accurate andup-to-date.

NateOvation.com Institute of Safety and Vocational Training

A Non-profit Institute Learning Management System

6525 West Warm Springs Road, Suite 102

Las Vegas, Nevada 89118

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Appendix A - Work Process Schedule and Related Instruction Outline Appendix B - AER Sponsor Manual and Sample Apprenticeship Agreement
Appendix C - Template Affirmative Action Plan
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Appendices C

AFIRMATIVE ACTION PLAN AGREEMENT

ADOPTED BY

NateOvation.com Institute of Safety and Vocational Training

DEVELOPED IN COOPERATION WITH THE

U. S. DEPARTMENT OF LABOR OFFICE OF APPRENTICESHIP

APPROVED BY: State of Nevada Office of the Labor Commissioner, 3300 W. Sahara #225, Las Vegas, Nevada 89102

REGISTRATION AGENCY

DATE APPROVED: _____

SECTION I - INTRODUCTION

The NISVT - NATEOVATION.COM INSTITUTE enters this Affirmative Action Plan (AAP) with good faith for the purpose of promoting equality of opportunity into its Registered Apprenticeship Program. The NISVT - NATEOVATION.COM INSTITUTE seeks to increase the recruitment of qualified women and/or minorities for possible selection into the apprenticeship program in the event women and/or minorities are underutilized in the apprenticeship program. The NISVT - NATEOVATION.COM INSTITUTE hereby adopts the following nondiscriminatory pledge and the AAP.