

"Workforce Training at GRCC is excited to be a partner in this initiative to meet the needs of the local construction sector. The scholarship shows the talent need and construction employers' willingness to step up to meet that need. This is a great example of how we collaborate with local employer partners to ensure our region continues to supply the best trained talent in the world," said Julie Parks, Executive Director of Workforce Training and Tassell M-TEC at GRCC.



CWDA Offers Scholarships

The CWDA is offering 15 full-tuition scholarships for this summer's Construction Core Certification Jump Start Program. The 2014 Jump Start Program is an intensive three-week program open to all graduating high school seniors which would typically cost \$1,240 to attend.

This scholarship will be awarded this spring to 15 graduating high school seniors who are interested in jump-starting their careers in construction. The scholarship offers students free tuition for the three-week program, a minimum of two job interviews following completion of the course, and job skills that can be applied immediately. These scholarships are funded in partnership with each Alliance association and Michigan Works! Kent & Allegan Counties.

To learn more and apply for the CCC Jump Start scholarship visit
www.grcc.edu/constructioncore

General Commercial Construction Program Proposal

The General Commercial Construction program is a program that was designed by members of the Associated Builders and Contractors and Grand Rapids Community College with the goal of developing basic construction skills related to commercial building. It is envisioned that this knowledge will be delivered, based on NCCER curriculum, with the addition of hands-on active learning, where skills and theory are practiced by participants in order to ensure competent construction employees

Proposed Delivery method: In person, 5 days/week, 8 hours M-Th, 4 hours F

Proposed time: 8:00-4:00 p.m. M-Th 8:00 – Noon F, to begin week of June 9, 2014

Recommended Prerequisite: Workkeys Math Test – Level 4

Class Size: 20 students maximum for most classes.

Total Series Hours: 100 hours

Potential Credentials to be earned: OSHA 10, Rough Terrain Forklift License, Aerial Lift License, Scaffold Competent Person certification, Rigging Certification, Signaling Certification, and NCCER class certifications for the modules with identified by an*. Students will receive a laminated card from NCCER and a card from GRCC that shows the modules they successfully completed and the date of that completion.

Module Components:

*OSHA 10 hour (construction) Certification 12 hours

Upon completion of this module, the learner will be able to do the following:

1. Explain the idea of a safety culture and its importance in the construction crafts.
2. Identify causes of accidents and the impact of accident costs.
3. Explain the role of OSHA in job-site safety.
4. Explain OSHA's *General Duty Clause* and *1926 CFR Subpart C*.
5. Recognize hazard recognition and risk assessment techniques.
6. Explain fall protection, ladder, stair, and scaffold procedures and requirements.
7. Identify struck-by hazards and demonstrate safe working procedures and requirements.
8. Identify caught-in-between hazards and demonstrate safe working procedures and requirements.
9. Define safe work procedures to use around electrical hazards.
10. Demonstrate the use and care of appropriate personal protective equipment (PPE).
11. Explain the importance of hazard communications (HazCom) and safety data sheets
12. Identify other construction hazards on your job site, including hazardous material exposures, environmental elements, welding and cutting hazards, confined spaces, and fires.

*Construction Math

9 hours

Upon completion of this module, the learner will be able to do the following:

1. Add, subtract, multiply, and divide whole numbers, with and without a calculator.
2. Use a standard ruler, a metric ruler, and a measuring tape to measure.
3. Add, subtract, multiply, and divide fractions.
4. Add, subtract, multiply, and divide decimals, with and without a calculator.
5. Convert decimals to percentages and percentages to decimals.
6. Convert fractions to decimals and decimals to fractions.
7. Explain what the metric system is and how it is important in the construction trade.
8. Recognize and use metric units of length, weight, volume, and temperature.
9. Recognize some of the basic shapes used in the construction industry and apply basic geometry to measure them.

*Basic Commercial Construction Drawing

18 hours

Upon completion of this module, the learner will be able to do the following:

1. Recognize and identify basic construction drawing terms, components, and symbols.
2. Relate information on construction drawings to actual locations on the print.
3. Recognize different classifications of construction drawings.
4. Interpret and use drawing dimensions.

*Hand/Power tools

9 hours

Upon completion of this module, the learner will be able to do the following:

1. Recognize and identify some of the basic hand tools and their proper uses in the construction trade.
2. Visually inspect hand tools to determine if they are safe to use.
3. Safely use hand tools.
4. Identify power tools commonly used in the construction trades.
5. Use power tools safely.
6. Explain how to maintain power tools properly.

*Rigging

15 hours

Upon completion of this module, the learner will be able to do the following:

1. Identify and describe the use of slings and common rigging hardware.
2. Describe basic inspection techniques and rejection criteria used for slings and hardware.
3. Describe basic hitch configurations and their proper connections.
4. Describe basic load-handling safety practices.
5. Demonstrate proper use of American National Standards Institute (ANSI) hand signals.
7. Select and inspect appropriate slings for a lift.
8. Given various loads, determine the proper hitch to be used.
9. Select and inspect appropriate hardware and/or lifting equipment.
10. Demonstrate and/or simulate the proper techniques for connecting hitches.
11. Demonstrate the proper use of all hand signals according to *ANSI B30.2* and *B30.5*.

12. Describe or demonstrate pre-lift safety checks.
13. Demonstrate and/or simulate how to lift the load level.
14. Describe and/or demonstrate safety precautions for attaching and disconnecting a load.

*Communications/Teamwork/Employability (required by NCCER to receive certification card)

10 hours

Upon completion of this module, the learner will be able to do the following:

1. Interpret information and instructions presented in both verbal and written form.
2. Communicate effectively in on-the-job situations using verbal and written skills.
3. Communicate effectively on the job using electronic communication devices.
4. Explain your role as an employee in the construction industry.
5. Demonstrate critical thinking skills and the ability to solve problems using those skills.
6. Demonstrate knowledge of computer systems and explain common uses for computers in the construction industry.
7. Define effective relationship skills.
8. Recognize workplace issues such as sexual harassment, stress, and substance abuse.

*Material Handling

3 hours

Upon completion of this module, the learner will be able to do the following:

1. Define a load.
2. Establish a pre-task plan prior to moving a load.
3. Use proper materials-handling techniques.
4. Choose appropriate materials-handling equipment for the task.
5. Recognize hazards and follow safety procedures required for materials handling.

Competent Person Scaffold

6 hours

Upon completion of this module, the learner will be able to do the following:

1. Specify the Major Elements of OSHA's General Safety & Health Provisions
2. Identify the Applications and Components Associated with Supported Frame Scaffolding
3. Determine the General Safety rules and Steps Involved in Safe Erection and Disassembly of Supported Frame Scaffolding and Mobile Scaffolding
4. Explain the Requirements for Ties, Scaffold Planking, and Affect of Wind Force on Scaffolds
5. Identify the Major Items to Consider when Performing Scaffold Inspection
6. Determine and Review the General Rules involving Safe Use, Maintenance, and Inspection of Step Ladders, Extension Ladders, and Job-Built Ladders.

Rough Terrain Fork Lift

4 hours in class, 2 hrs. In field

(Need to go to individual company sites for complete licensure requirement and use of company equipment).

The Forklift Operator Safety course covers safety requirements relating to the design, maintenance, and safe use of forklift trucks. It is designed to help student learn to evaluate the workplace and determine if loads can be safely moved. It includes: inspection of the equipment, lift limitations; understanding

fulcrum and center of gravity along with safe operation in all phases of using the lift. The student will be responsible for demonstrating the proper use and inspection of the lift he will be using.

Aerial Lift

1 ½ hours in class, 1 ½ hrs. In field

(Need to go to individual company sites for complete licensure requirement and use of company equipment).

The Forklift Operator Safety course covers safety requirements relating to the design, maintenance, and safe use of forklift trucks. It is designed to help student learn to evaluate the workplace and determine if loads can be safely moved. It includes: inspection of the equipment, lift limitations; understanding fulcrum and center of gravity along with safe operation in all phases of using the lift. The student will be responsible for demonstrating the proper use and inspection of the lift he will be using.

Asbestos Awareness

2 hours

Upon completion of this module, the learner will be able to do the following:

Asbestos: its various forms and uses

1. Health effects associated with asbestos exposure
2. Recognition and locations of suspect asbestos containing building materials
3. Person who will carry out general responsibilities and location of the management plan or operations and maintenance (O&M) plan
4. State and Federal regulations

Lead Awareness

2 hours

Upon completion of this module, the learner will be able to do the following:

1. Background and lead hazards
2. Lead exposure operations
3. Safe work practice
4. Person protective equipment
 - a) Respirators
 - b) Protective clothing
5. Health effects
6. Medical surveillance
7. Engineering controls
8. Specific procedures (e.g. Paint application/removal, brazing)

First Aid / CPR Certification

4 hours

The course teaches rescuers to effectively recognize and treat adult emergencies in the critical first minutes until emergency medical services personnel arrive. The course also provides a complete health and safety training solution for first aid, adult, child, and infant CPR. Students also learn to recognize the warning signs of heart attack and stroke in adults and breathing difficulties in children.

General Information

Additional Equipment/Material Needs:

- Scaffolding
- Use of Concrete Mule/Power wheelbarrow
- Students will be required to bring in basic carpenter hand tools.
- Student will be required to bring in basic PPE (i.e., hard hats, safety glasses, boots)
- For Communication/Teamwork/Employability class – Need samples of company forms, project report templates, etc.

Program Fees:

Includes all books, handouts, NCCER software fees, , worksheets, certification filing, project materials.

Entire Series for ABC Members: \$1,240.00

Entire Series – Others: \$1,385.00

Individual Module Cost:

OSHA (NCCER Version): member: \$95, non-member \$105

Construction Math: member \$125, non-member \$135

Basic commercial Construction Drawing: member \$95, non-member \$105

Hand/Power Tools: member \$240, non-member \$265

Rigging: member \$225, non-member \$245

Communications/Teamwork/Employability: member \$95, non-member \$105

Material Handling: member \$60, non-member \$75

Competent Person Scaffold: member \$90, non-member \$105

Rough Terrain Fork Lift: member \$185, non-member \$200

Aerial Lift Certification (included with Rough Terrain above)

Asbestos Awareness: member \$40, non-member \$50

Lead Awareness: member \$40, non-member \$50

Workkeys Math Test: \$19 f



www.grcclearn.com

Submit your registration form by **Friday, April 18, 2014**

* BIOGRAPHICAL INFORMATION <i>*Required Information</i>		
First Name:	Middle Name:	
Last Name:		
Date of Birth (mm/dd/yyyy):		
Street Address:		
City:	State:	Zip:
Email Address:		
Daytime Phone Number:	Evening Phone Number:	

* EDUCATION & EMPLOYMENT INFORMATION	
High School Attended:	
Graduation Year:	
Extracurricular Activities:	
WorkKeys National Career Readiness Certificate Bundle Score:**	GPA:***
Are You Currently Employed (Part time or Full time)?	
Current Employer (if applicable):	
Length of Employment (Round to Nearest Year):	

Additional Questions (Do Not Exceed 100 Words per Question)

- 1.) Are you the first member of your family to pursue a construction related career?

- 2.) Describe your interest in a construction career.

- 3.) What type of construction is interesting to you? (Check all that apply)
 - Residential (Homes)
 - Commercial (Offices, stores, etc)
 - Undecided

**These results are located on the results from your 11th Grade Michigan Merit Examination (MME). If you do not have your WorkKeys National Career Readiness Certificate Bundle Score, please visit www.act.org/workkeys for instructions on retrieving your WorkKeys Score(s).
 ***There is no GPA requirement for this scholarship. This is for data collection purposes only.

Additional Questions (Continued)

4.) Describe any experience in Construction.

References

Personal Reference:

Name: _____

Phone Number: () ___ - _____

Email Address (If available): _____

Teacher Recommendation:

A teacher recommendation is not required, but is highly advisable. Please submit any teacher recommendations separately, but attached to this completed form.

Signatures

I certify that the information contained in this application and any accompanying documents are true, complete and correct to the best of my knowledge. I give permission for Grand Rapids Community College to release my name to local newspapers, media outlets or others involved in this scholarship process.

Applicant's Signature

Date

STAFF USE ONLY

Date Received: __/__/__

Number of Pages Received: _____

Staff Initials: _____

Checklist

Please use this checklist to ensure this application is submitted in its entirety and correctly. Incorrect/Incomplete applications may delay the award process.

- I have filled out the application entirely.
- I have submitted Teacher or Employer References (*recommended but not required*).
- I will submit all the above information by **Friday, April 18, 2014**.

Submission

The Core Construction Jump Start Program Scholarship form must be submitted by **Friday, April 18, 2014** in its entirety, including all requisite documentation, to Workforce Training by one of the below methods.

Mail/In-Person:

Workforce Training
Grand Rapids Community College
622 Godfrey Ave, SW.
Grand Rapids, MI 49503

Email:

workforcetraining@grcc.edu

Fax:

(616) 234-4405
ATTN: Cheryl Cole

Questions

All questions relating to the Core Construction Jump Start Program and/or the Core Construction Jump Start Program Scholarship form should be directed to:

Workforce Training
Grand Rapids Community College
622 Godfrey Ave, SW.
Grand Rapids, MI 49503

Phone: (616) 234 – 3400

Email: workforcetraining@grcc.edu

