

Economic Development

Spring 2010
Schedule of Classes



Construction Training Courses

James M. Frazier, Sr Building
555 Julia Street, Baton Rouge

(225) 216-8436
www.mybrcc.edu/wcce

Imagine what **you** can do!

Continuing Education

Spring 2010

CONSTRUCTION TRAINING

Construction Site Safety Technician Course

Topics: hazard communication, work zone safety, personal protective equipment, fall protection, trenching safety, job safety analysis and task safety analysis, safety meetings, work permit policies, risk analysis and assessment, and OSHA inspection procedures. Those who complete the course and pass all examinations receive certification as a construction site safety technicians through the National Center for Construction Education and Research and *OSHA 30* card.

Cost- \$550.00

Saturdays, 7:30AM – 5:30PM

February 27-April 24, 2010

WCCE: 961 CRN: 21774

May 15-July 17, 2010

WCCE: 961 CRN: 21775

Planning and Scheduling Course-

Topics: stages of planning, plan implementation, planning resources, the work breakdown structure, and creating a performance based work environment as it relates to the construction industry. Includes related computer software exposure.

Cost- \$300.00

Monday/Wednesday, 6:00PM-9:00PM

May 3-June 2, 2010

WCCE: 961 CRN: 21777

General Contractor's Exam Prep Course

Comprehensive study for the *General Contractor's Exam*. Includes aspects from the business law and technical portions of the exam.

Cost- \$325.00

Saturdays, 7:30AM – 5:30PM

April 24-May 15, 2010

WCCE: 963 CRN: 21779

June 19-July 10, 2010

WCCE: 963 CRN: 21780

Blueprint Reading

Comprehensive course that covers the different types of plans/prints, building structures, terminology, symbols/abbreviations, reading scales and measurements,

interpreting drawings and basic estimating principles.

Cost- \$350.00

Saturday, 7:30AM-5:30PM

April 5-May 17, 2010

WCCE: 964 CRN: 21781

Estimating Course

Utilize computer-based software and a textbook to learn the principles of estimating. Topics: cost control, defining elements of material, labor, and equipment, and cost analysis.

Cost- \$350.00

Saturdays, 7:30AM – 5:30PM

April 3-24, 2010

WCCE: 964 CRN: 21783

Residential Electrical Building Inspector Course

Learn the services; branch circuit and feeder requirements; wiring methods and power and light distribution; devices, lighting fixtures, and appliances; and swimming pools and similar installations. Study and utilize the *NEC Code* and the *International Residential Code*, and prepare for the *International Code Council Exam* for residential electrical building inspectors.

Cost- \$525.00

Saturdays, 7:30AM – 5:30PM

TBA

Motor Control Course

Focus placed on selecting, sizing, and installing motor controllers. Circuit pilot devices and basic relay logic are covered.

Cost- \$200.00

Saturdays, 7:30AM – 5:30PM

TBA

Electrical Level 1 Course

One hundred ten hours of classroom and hands-on training. Topics include electrical theory, conduit bending, electrical services, circuits, safety, and testing equipment.

Cost- \$550.00

Tuesday through Thursday, 6:00PM – 9:00PM

March 9-April 29, 2010

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CONSTRUCTION TRAINING

WCCE: 969 CRN:

Carpentry Level 1 Course

One hundred fifty hour course that covers basic safety, hand and power tools, construction math, wood and building materials, concrete and reinforcing materials, roof framing and more. Lab and classroom study included.

Cost- \$550.00

Monday through Thursday, 6:00PM – 9:00PM

TBA

GO GREEN!

New Solar Panel Design and Installation Course

Did you know home owners can receive federal and state income tax credits for the purchase and installation of solar energy systems of up to 80% of the costs of the system? Installation must be done by individuals who have received a certificate of training in the design and installation of solar energy systems. This course consists of classroom lecture and hands-on solar installation training utilizing training materials and information from Solar Energy International (SEI) and Florida Solar Energy Center (FSEC). Training topics are consistent with the North American Board of Certified Energy Practitioners (NABCEP) learning objectives for their PV Entry level Certificate of Knowledge program. Textbooks are included. NABCEP certification exam given at the completion of course hours. **45hours/4.5 CE**

Cost- \$995.00

Saturdays, 7:30AM – 5:30PM

March 27-May, 1, 2010

WCCE: 974 CRN: 21785

May 15-June 12, 2010

WCCE: 974 CRN: 21786

Site Layout Course (Surveyor)

Comprehensive training curricula that covers topics such as surveying math; surveying equipment use and care; control set up; data collection and basic computer skills; and boundary and topographical surveys. The course is broken into two levels. Total course hours=250.

Level One

Cost- \$550.00

Monday through Thursday, 6:00PM – 9:00PM

TBA

Electrical Level 2 Course

One hundred ten hour-course and hands-on training. Topics: alternating current, pull and junction boxes, conductor installations, circuit grounding and fuses, breaker systems, and fundamental concepts. Electrical 1 not required

Cost- \$550.00

Tuesday through Thursday, 6:00PM – 9:00PM

May 4-June 22, 2010

WCCE: 974 CRN:

AUTOCAD 2008 - Beginner

Everything manufactured, constructed, or remodeled requires charts, and plans/drawings, created through the expertise of an AUTOCAD drafter. The drafter creates designs that are used by managers, financiers, engineers, and manufacturers. More and more employers need workers skilled in using AUTOCAD software. **63 hours/6.3 CEUs.**

Cost- \$1895

TBA

AUTOCAD Intermediate

The drafter creates designs that are used by managers, financiers, engineers, and manufacturers. More and more employers need workers skilled in AutoCAD software. In this course, the student learns more advanced techniques and correct usage of tools to integrate into more advanced drawings. If desired, students may bring specific projects to work on in class if time permits **63 hours/6.3 CEUs.**

Cost- \$1895

TBA

AUTOCAD Architectural Drawing

Students will learn how to utilize AutoCad in creation of architectural drawings such as section drawings, detail drawings, elevations and floor plans. Some print reading experience is required for this class. Blue Print reading course is recommended prior to taking this course. **40**

hours/4.0 CEUs.

Cost- \$995.00

TBA

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CONSTRUCTION TRAINING

AUTOCAD Electrical

Students will learn how to navigate the AutoCAD user interface to create and build electrical control systems such as intelligent ladder diagrams and panel lay outs. Some print reading experience is required for this class. Blueprint Reading course is recommended prior to taking course. Students will learn how to utilize AutoCad in creation of architectural drawings such as section drawings, detail drawings, elevations and floor plans. Some print reading experience is required for this class. Blueprint reading course is recommended prior to taking this course. **45 hours/4.5 CEUs.**

Cost- \$995.00

TBA

AUTOCAD Piping Class

Students will learn how to utilize AUTOCAD to create drawings such as isometrics and P&ID's. Some print reading experience is required for this class. Interpreting isometric drawings course is recommended prior to taking this course. **40 hours/4.0 CEUs.**

Cost- \$995.00

Monday through Wednesday, 6:00PM - 9:00PM

TBA

Interpreting Isometric Drawings

Course will cover the fundamentals of isometric drawings including concepts and freehand sketching. Utilizing actual prints, students will learn how to read and understand commercial and industrial isometrics.

24 hours/2.4 CEUs.

Cost- \$350.00

Monday/Wednesday, 6:00PM - 9:00PM

TBA

Entrepreneurship Training

Do you want to start your own business? Statistics show that individuals who start their own business without some entrepreneurship training or business experience have a higher percentage of business failure. Don't be a statistic. Learn what you need to start your own business in terms of business plans, insurance/permitting, financial documents, marketing, technology and more. **40**

hours/4.0 CEUs.

Cost- \$400.00

Monday/Wednesday, 6:00PM - 9:00PM

TBA

Blood Borne Pathogens Training

Infectious disease exposure is a big concern in today's world whether at work or at home. Learn proper techniques to help prevent the spread of infectious disease. **3**

hours/0.3 CEUs.

Cost- \$50.00

Tuesday, 6:00PM - 9:00PM

June 15, 2010

WCCE: 975

CRN: 21791

HAZWOPER Training

This course provides safety training for individuals who may be exposed to chemical hazards in the work site that follow 29 OSHA 1910.120 of the OSHA Standards. Knowing how to work around and handle these materials is crucial for worker safety. Individuals will spend 33 hours of classroom time and 8 hours of hands on lab practical. This course is a must for individuals working in the industrial or site clean up sector of the construction industry. **40**

hours/4.0 CEUs.

Cost- \$500.00

Tuesday/Thursday, 6:00PM - 9:00PM;

Saturday, 7:30AM-5:30PM

TBA

Community First Aid /CPR

10 hours/1.0 CEU.

Cost- \$70.00

Saturdays, 7:30AM-5:30PM

TBA

Continuing Education

CONSTRUCTION TRAINING

Spring 2010

Command Spanish for Construction

This is a comprehensive Spanish language program that provides immediate access to functional language skills for non-Spanish-speaking construction site supervisors. The language component utilizes phonetic encoding to address pronunciation of the most important Spanish commands, questions, and phrases pertinent to daily interactions between supervisors and workers at construction sites. No prior knowledge of Spanish necessary. Being bilingual is a huge asset in the construction industry today. **12 hours/1.2 CEUs.**

Cost- \$175.00

Thursday, 6:00PM-9:00PM

Saturday, 7:30AM-5:30PM

June 3, 5, 2010

WCCE: 982 CRN: 21666

Primavera P6

Learn how to navigate the Primavera 6.0 interface to create detail schedules with the industry standard in scheduling software or just update your skills to the new format.

24 hours/2.4 CEUs.

Cost- \$1395.00

Tuesday/Thursday, 6:00PM - 9:00PM

TBA

GO GREEN!

New Energy Performance Auditor Course

Start a new career as a home or business energy performance auditor. Trainees will learn building science principles, how to perform energy performance audits and about energy efficient retrofits for existing systems.

Call for more information.

GO GREEN!

New Solar Thermal Design and Installation Course

Did you know home owners can receive federal and state income tax credits for the purchase and installation of solar energy systems of up to 80% of the costs of the system? Installation must be done by individuals who have received a certificate of training in the design and installation of solar energy systems. This course consists of classroom lecture and hands-on solar installation training.

Call for more information.

GO GREEN!

Geothermal Design and Installation Course

Did you know that you can use the relatively constant ground temperature of the earth to significantly lower your heating and cooling costs? Whether its winter or summer, the geothermal heat pump can provide heating and cooling in one system for your home or business. Trainees will learn design and installation of conventional geothermal systems. Class is taught by industry professionals with years experience in the industry.

Call for more information.

GO GREEN!

Building Energy Efficiency Tech Course

Learn technology to increase energy efficiency in homes or business. Learn about tax incentives for building energy efficiency improvements. Trainees will be exposed to energy efficient technology such as air sealing and new insulating techniques.

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CONSTRUCTION TRAINING

Additional programs include:

OSHA 10, Mold and Mildew Remediation, Residential Plan Review, Residential Building Inspector, Crew Leader, Project Supervision, Rigging Fundamentals, and Electrical Exam Prep.

Call Will Seaman at 216-8436 or e-mail at seamanw@mybrcc.edu for more information or to register for classes.

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CONSTRUCTION TRAINING

Course Offerings

Safety Training

OSHA 10 - Ten-hour (10) course that covers OSHA safety standards under *CFR 1926* which includes topics such as fall protection, electrical safety, excavations, hazard communication, and scaffolds. Students who complete training will receive an OSHA 10 card. Students **MUST** attend all ten hours and pass exit exam to receive card. There is no expiration date for the original card holder. **10 hours/1.0 CEUs.**

Construction Site Safety Technician

This course is broken into two sections, "Field Safety" and "Safety Technology." "Field Safety" covers topics including hazard communication, work zone safety, personal protective equipment, fall protection, and trenching safety. "Safety Technology" includes topics on job safety analysis and task safety analysis, safety meetings, work permit policies, risk analysis and assessment, and OSHA inspection procedures. Individuals who complete the course and pass all examinations receives certificates of completion in "Field Safety" and "Safety Technology." The participant also receives certification as a construction site safety technician through the *National Center for Construction Education and Research* along with *OSHA 30* card. The class is a must for those who want to start careers in safety. **100 hours/10.0 CEUs.**

Residential Building Inspector Program

Due to legislation passed by the legislature, individuals who work for public municipalities that perform building inspection must be certified by the *International Code Council* within 12 months, or they cannot be employed as building inspectors. BRCC offers a residential electrical building inspector course to help those who need certification by ICC in electrical inspection. This program is successful with over 40 individuals taking the course to date. The following are high demand certification courses that BRCC can offer:

Electrical Building Inspector - This successful 100-hour course covers services; branch circuit and feeder requirements; wiring methods and power and light distribution; devices, lighting fixtures, and appliances; and swimming pools and similar installations. The *NEC Code* and the *International Residential Code* are utilized. **100 hours/10.0 CEUs.**

Plan Review - This high demand, 100-hour certification course covers building planning; footings and foundations; floor construction; wall construction and coverings; roof/ceiling constructions; and public safety and special construction. The *International Residential Code* is utilized. **100 hours/ 10.0 CEUs.**

Building Inspector - A 240-hour in-demand certification course covers code administration; building planning; footings and foundations; floor construction; wall construction and coverings; roof/ceiling construction and penetrations; and public safety. Primarily, the *International Residential Code* is utilized. **240 hours/24.0 CEUs.**

Planning and Scheduling

This 30-hour course covers the foundations of planning and scheduling for the construction industry and the planning software used to do these tasks. Topics include the stages of planning, plan implementation, planning resources, the work breakdown structure, and how to create a performance-based work environment. The curricula used is *NCCER* which gives participants a portable and transferable credential that is industry recognized. **30 hours/3.0 CEUs.**

Electrical 1 & 2

Levels One and Two of the *NCCER Electrical Curricula*, each class 110 hours long, uses classroom and hands-on training. Topics include electrical theory 1 and 2, electrical services, circuits, safety, conduit bending, testing equipment, grounding, conductor terminations and splices, cable trays, relays and electrical lighting. **110 hours/11.0 CEUs.**

Continuing Education

CONSTRUCTION TRAINING

Spring 2010

Course Offerings

Project Supervision

NCCER's 85-hour Project Supervision is a great program to prepare those individuals who will be replacing the many individuals who are leaving or retiring from industrial professions. The course covers problem-solving, estimating, document control, planning, human relations, and safety. **85 hours/8.5 CEUs.**

Crew Leader

First in the series of courses offered by NCCER for supervisory training, the 16-hour course covers topics like principles of estimating, problem solving, communication, planning and scheduling. This course is especially beneficial to individuals who desire to promote into a higher level position. **16 hours/1.6 CEUs.**

Estimating

The 40-hour course utilizes computer-based software to educate individuals in the principles of estimating. Topics include cost control, defining elements of material, labor, and equipment, and cost analysis. **40 hours/4.0 CEUs.**

Carpentry

Learn about beginning carpentry, and eventually move up in the work place. The 150-hour course covers basic safety, hand and power tools, construction math, wood and building materials, concrete and reinforcing materials, roof framing and more. Lab and classroom study included. This is a great course for those who want to start a career as a carpenter or learn skills that benefit the general contracting business. **150 hours/15.0 CEUs.**

General Contractor's Exam Prep

A 40-hour, comprehensive study of the general contractor's exam. Students study topics that help them pass the business law and technical portions of the exam. **40 hours/4.0 CEUs.**

Blueprint Reading

BRCC offers a comprehensive course that covers the different types of plans/prints, building structures, terminology, symbols/abbreviations, reading scales and measurements, interpreting drawings and basic estimating principles. Course is 40 hours. **40 hours/4.0 CEUs.**

Site Layout

BRCC identifies and trains individuals in a 250-hour comprehensive site layout course that is broken down into two levels. Instructors use NCCER so that students can receive an industry recognized credential upon completion of the course. The course covers surveying math; survey equipment use and care; control set up; data collection and basic computer skills; and boundary and topographical surveys. **250 hours/25.0 CEUs.**

Rigging Fundamentals

A 45-hour course that turns trainees into competent riggers who have a solid understanding of rigging, use of rigging equipment, *ANSI* hand signals, and rigging safety. **45 hours/4.5 CEUs.**

Motor Control

The course primarily focuses on selecting, sizing, and installing motor controllers, circuit pilot devices and basic relay logic that is needed in the industrial sector. **24 hours/2.5 CEUs.**

Electrical Exam Prep

A 40-hour course that primarily focuses on the *NEC Code* prepares participants for the state electrical exam. **40 hours/4.0 CEUs.**

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CONSTRUCTION TRAINING

Command Spanish for Construction

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AutoCAD 2008 - Beginner

Everything manufactured, constructed, or remodeled requires charts, and plans/drawings, created through the expertise of an AUTOCAD drafter. The drafter creates designs that are used by managers, financiers, engineers, and manufacturers. More and more employers need workers skilled in using AUTOCAD software. **63 hours/6.3 CEUs.**

AutoCAD Intermediate

The drafter creates designs that are used by managers, financiers, engineers, and manufacturers. More and more employers need workers skilled in AutoCAD software. In this course, the student learns more advanced techniques and correct usage of tools to integrate into more advanced drawings. If desired, students may bring specific projects to work on in class if time permits **63 hours/6.3 CEUs.**

AutoCAD Architectural Drawing

Students will learn how to utilize AutoCad in creation of architectural drawings such as section drawings, detail drawings, elevations and floor plans. Some print reading experience is required for this class. Blue Print reading course is recommended prior to taking this course. **40 hours/4.0 CEUs.**

AutoCAD Electrical

Students will learn how to navigate the AutoCAD user interface to create and build electrical control systems such as intelligent ladder diagrams and panel lay outs. Some print reading experience is required for this class. Blueprint Reading course is recommended prior to taking course. Students will learn how to utilize AutoCad in creation of architectural drawings such as section drawings, detail drawings, elevations and floor plans. Some print reading experience is required for this class. Blueprint reading course is recommended prior to taking this course. **45 hours/4.5 CEUs.**

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AutoCAD Piping Class

Students will learn how to utilize AUTOCAD to create drawings such as isometrics and P&ID's. Some print reading experience is required for this class. Interpreting isometric drawings course is recommended prior to taking this course. **40 hours/4.0 CEUs.**

Solar Panel Design and Installation Course

Did you know home owners can receive federal and state income tax credits for the purchase and installation of solar energy systems of up to 80% of the costs of the system? Installation must be done by individuals who have received a certificate of training in the design and installation of solar energy systems. This course consists of classroom lecture and hands-on solar installation training utilizing training materials and information from Solar Energy International (SEI) and Florida Solar Energy Center (FSEC). Training topics are consistent with the North American Board of Certified Energy Practitioners (NABCEP) learning objectives for their PV Entry level Certificate of Knowledge program. **45hours/4.5 CEUs.**

Students will study the following topics:

PV Markets and Applications
Electricity Basics
PV Module Fundamentals
PV System Sizing
PV System Mechanical Design

Safety Basics
Solar Energy Fundamentals
System Components
PV System Electrical Design
Performance Analysis/Troubleshooting

Interpreting Isometric Drawings

Course will cover the fundamentals of isometric drawings including concepts and freehand sketching. Utilizing actual prints, students will learn how to read and understand commercial and industrial isometrics. **24 hours/2.4 CEUs.**

Entrepreneurship Training

Do you want to start your own business? Statistics show that individuals who start their own business without some entrepreneurship training or business experience have a higher percentage of business failure. Don't be a statistic. Learn what you need to start your own business in terms of business plans, insurance/permitting, financial documents, marketing, technology and more. **40 hours/4.0 CEUs.**

Blood Borne Pathogens Training

Infectious disease exposure is a big concern in today's world whether at work or at home. Learn proper techniques to help prevent the spread of infectious disease. **3 hours/0.3 CEUs.**

New Energy Performance Auditor Course

Start a new career as a home or business energy performance auditor. Trainees will learn building science principles, how to perform energy performance audits and about energy efficient retrofits for existing systems. **Call for more information.**

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CONSTRUCTION TRAINING

GO GREEN!

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Building Energy Efficiency Tech Course

Learn technology to increase energy efficiency in homes or business. Learn about tax incentives for building energy efficiency improvements. Trainees will be exposed to energy efficient technology such as air sealing and new insulating techniques. **Call for more information.**

Baton Rouge Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097: Telephone number 404.679.4501) to award Associate Degrees and Certificates. Educational opportunities are offered by the Baton Rouge Community College without regard to race, color, age, national origin, religion, gender, or disability. Baton Rouge Community College does not discriminate on the basis of gender in admission to or employment in its education programs or activities. Title IX Coordinator is Dr. Stephen Hilterbran, Vice Chancellor for Student Affairs, 201 Community College Drive, Baton Rouge, Louisiana 70806 – 225.216.8040. The Director of Disability Services has been designated as the college's 504/ADA Compliance Officer. Any person with a disability who needs assistance should contact the Director at 225.216.8503. TDD 225.216.8702. The Family Educational Rights and Privacy Act of 1974, as amended (also sometimes referred to as the Buckley Amendment), is a federal law regarding the privacy of student records and the obligations of the institution, primarily in the areas of release of the records and the access provided to these records. Any educational institution that receives funds under any program administered by the U.S. Secretary of Education is bound by FERPA requirements. Institutions that fail to comply with FERPA may have funds administered by the Secretary of Education withheld.

