



STARK STATE COLLEGE

WORKFORCE AND ECONOMIC DEVELOPMENT

Learn today, succeed tomorrow.

Business/Management

Coaching and Mentoring

Discover how to successfully coach and guide your team members in

- motivation theory and practice
- coaching for optimal performance
- bringing out the best in others
- building a collaborative relationship with peers
- tools and techniques of effective mentoring.

(Approved by BELTSS for 6 CE hours.)

Instructor: Dominic LaFay
CRN: 40005
March 22 and 24
4:30 - 7:30 p.m.
Fee: \$99

Process Audit Training

Transition to 9001:2015 has been released! This course will include the latest information on transitioning from 2008 to 2015. For more details, contact course instructor Jim Linkie at 330-704-1457.

Instructor: Jim Linkie, RABQSA, MSSC
CRN: 40038
Wednesday
March 2, 9 and 16
1:30 - 4:30 p.m.
Fee: \$475

Elite G.O.A.L. Attainment

Create radically empowering changes in your life, your relationships or your career. Get rid of to-do lists and gear up for a powerful, interactive, goal-setting workshop. Professional success coach and life strategist Dominic LaFay will guide you through an individualized goal achievement process that gets results. You'll walk away confidently with the essential Results Code process used to get ahead in your life personally and professionally, master the ultimate determining factor for improving the quality of your life's results, a guide to doubling your personal productivity overnight and a written plan for immediately turning your goals into your reality.

(Approved by BELTSS for 4 CE hours.)

Instructor: Dominic LaFay
CRN: 40006
March 12
8:30 a.m. - 12:30 p.m.
Fee: \$49

Effective First Line Manager Skills

Designed for first-line managers who seek to enhance leadership skills necessary to get the job accomplished in a globally competitive environment. Based on the core framework that one will never learn to lead until they learn to serve, this course focuses on key performance elements for first line managers:

- The Science and the Art of Leadership
- Self-understanding and personality trait assessment
- Safety performance
- Productivity continual improvement
- Effective problem solving
- The process of team development
- The power of measuring performance
- Performance appraisal
- Team business planning

Fee does not include required text:

"Leadership Basics for Frontline Managers: Tips for Raising Your Level of Effectiveness and Communication."

Instructor: Edward Casey
CRN: 40008
Tuesdays
March 29 – May 3
4:30 - 7:30 p.m.
Fee: \$289

Medical/Health Care

Pharmacy Technician Training

This course will prepare you to enter the pharmacy field in hospitals, home infusion pharmacies or retail pharmacies under the supervision of a registered pharmacist. When you complete this course you may register to take the pharmacy technician certification exam to become a certified pharmacy technician. Course fee includes textbooks and certification exam preparation software. A basic math assessment is required for admission to the program. For info, email mdoerr@starkstate.edu or call 330-494-6170, Ext. 4438.

Registration closes Wednesday, January 6

Instructor: Janice Sprinkle
CRN: 40019
Tuesdays
January 19 – May 4
5 – 8 p.m.
Fee: \$799

Nurse Aide/Home Health Aide Training

Prepare to function in a traditional nursing assistant role in hospitals, nursing homes or as a home health aide in home settings. This course includes 16 hours of clinical training and 59 hours of lecture and skills laboratory practice. When you successfully complete the program you'll be eligible to take the nursing assistant state competency test or you may choose to seek work as a home health aide. The attendance policy, per the Ohio Department of Health, allows no absenteeism within the first 16 hours of instruction. Class requirements include a current physical examination report along with a negative TB test or negative chest x-ray, state of Ohio background check and liability insurance available through the College. **Text included.**

Also included is a Career Day where you create a professional portfolio, and prepare for interviews and meet prospective employers. We also offer additional pre-test hours to prepare you for your state certification test.

Day class starting January 4

Evening class starting February 10

Call for details: 330-494-6170, Ext. 4438

Certified Dietary Manager

Course includes 126 hours of classroom instruction and 150 hours of supervised field experience in a pre-approved work setting including focus in food service operations, safety and sanitation, dietary operations delivery and nutrition and medical nutrition therapy. Twenty-five hours of the 45 hours of nutrition experience must be supervised by a registered dietitian. All field experience sites meet requirements of the Association of Nutrition and Foodservice Professionals (ANFP). Registrants must be high school grads or equivalent actively working in a health care facility, and are responsible for coordinating their work experiences with an approved preceptor. For more information, visit www.anfponline.org or call 800-323-1908. This class meets the requirements needed to sit for the national certification examination. Textbooks are available at the Stark State College Store or may be purchased from ANFP online with the school code. The ServSafe text may be purchased from ServSafe.com or Paster/Training.com.

Instructor: M. Fran Merda, RD, LD

CRN:

Friday, January 15 – June 4
9 am - 5 pm
Fee: \$900

Fire and Emergency Services

AHA Healthcare Provider/BLS

This course is designed to provide a wide variety of healthcare professionals the ability to recognize several life-threatening emergencies, provide CPR, use an AED and relieve choking in a safe, timely and effective manner. *Text required. Fees include text and certification card.*

CRN: 40056
Saturday, January 30
8:30 a.m. – 2 p.m.
Fee: \$65

— OR —
CRN: 40057
Saturday, February 20
8:30 a.m. – 2 p.m.
Fee: \$65

— OR —
CRN: 40058
Saturday, March 12
8:30 a.m. – 2 p.m.
Fee: \$65

— OR —
CRN: 40059
Saturday, April 16
8:30 a.m. – 2 p.m.
Fee: \$65

Fire Officer 1

Student must be an emergency responder to participate in this class. A copy of valid fire certification is required the first day of class. Not less than five years work experience as a fire fighter and letter of employment verification from the student's Fire Department Chief. Submit a copy of NIMS ICS-100, ICS-200, and ICS-700.

- Student must be an emergency responder to participate in this class.
- A copy of valid fire certification is required the first day of class.
- Not less than five years work experience as a firefighter
- Letter of employment verification from the student's Fire Department Chief
- Submit a copy of NIMS ICS-100, ICS-200, and ICS-700

Required texts (to be brought to the first class):

- Fire Officer, Principles and Practice, 3rd edition, (Jones & Bartlett)
- Fire Officer, Principles and Practice Study Guide, 3rd edition (Jones & Bartlett)

Instructor: Tim Berczik/Jeff Magee
CRN: 40048
February 2 to March 8
Tuesdays & Thursdays, 6-9 p.m.
Saturdays, 9-5 p.m.
Fee: \$550

Advanced Airway Module

This course provides the information required by the state of Ohio for those seeking reciprocity in Ohio.

Instructor: TBA
CRN: 40055
Fee: \$84

For specific information on dates and times contact Bonnie Stich at bstich@starkstate.edu or 330-494-6170, Ext. 4724.

EMT Refresher/Transition

This course provides theory and practical skills training and review at the EMT level and follows the objectives as listed in the Ohio Administrative Code. This course may be used as

- a prerequisite for completion of National Registry testing
- continuing education for NR or state of Ohio
- a transition course to maintain NR certification

CRN: 40049
Mondays/Wednesdays/Fridays
Start date: January 20
Fee: \$150

Day and evening options

For specific information on dates and times contact Bonnie Stich at bstich@starkstate.edu or 330-494-6170, Ext. 4724.

Paramedic Refresher/Transition Course

This course offers theory and practical skills training and review at the paramedic level and follows the objectives as listed in the Ohio Administrative Code. This course may be used as

- a prerequisite for completion of National Registry testing
- continuing education for NR or state of Ohio
- a transition course to maintain NR certification

CRN: 40052
Tuesday, February 2
8:30 a.m. – 12:30 p.m.
Fee: \$300

— OR —
CRN: 40051
Tuesday, February 2
6 – 10 p.m.
Fee: \$300

Emergency Medical Responder (EMR)

This course provides theory and practical skills training for managing medical and traumatic situations at the EMR level and follows the objectives as listed in the Ohio Administrative Code.

(Student must purchase text: AAOS. Emergency Medical Responder, Your First Response in Emergency Care, 5th Edition, 2011 Sudbury Massachusetts Jones and Bartlett Publishers.)

Instructor: Staff
CRN: 40054
Fee: \$300

For specific information on dates and times contact Bonnie Stich at bstich@starkstate.edu or 330-494-6170, Ext. 4724.

Firefighter Physical Assessment Test

A physical assessment test to determine whether a job applicant has the requisite capabilities to perform the essential job functions of a firefighter. (One day test.)

Instructor: Rich Peterson/Jeff Magee
CRN: 40045
Fee: \$75

For specific information on dates and times contact Jeff Magee at jimagee@starkstate.edu or 330-305-6633, Ext. 2.

Hazardous Materials Awareness

This training program highlights the hazardous materials awareness for first responders.

Instructor: Jeff Magee
CRN: 40043
Fee: \$50

For specific information on dates and times contact Jeff Magee at jimagee@starkstate.edu or 330-305-6633, Ext. 2.

Hazardous Materials Operations

Hazardous Materials operations for First Responders

Instructor: Jeff Magee
CRN: 40046
Fee: \$50

For specific information on dates and times contact Jeff Magee at jimagee@starkstate.edu or 330-305-6633, Ext. 2.

Rope Rescue Level 1

This course meets or exceeds all required components of NFPA 1006: Ch. 5, Ch. 6, NFPA 1670: Ch. 4, Ch. 5 (5.1 – 5.3.2), NFPA 1983, for training personnel to conduct rope rescue operations at technical search and rescue incidents at Level 2 requirements.

Instructor: Jeff Magee
CRN: 40047
Fee: \$550

For specific information on dates and times contact Jeff Magee at jimagee@starkstate.edu or 330-305-6633, Ext. 2.

Fire Instructor

This course enables a Firefighter to become a state of Ohio certified Fire Instructor.

Instructor: Jeff Magee
CRN: 40042
Fee: \$650

For specific information on dates and times contact Jeff Magee at jimagee@starkstate.edu or 330-305-6633, Ext. 2.

Firefighter Emergency Vehicle Operator Course (EVOC)

This 16-hour EVOC course complies with the Ohio Department of Public Safety and NPFA 1001, 1451, and 1500.

Instructor: Jeff Magee
CRN: 40041
Fee: \$125

For specific information on dates and times contact Jeff Magee at jimagee@starkstate.edu or 330-305-6633, Ext. 2.

Firefighter Certification Test

State of Ohio fire certification written test.

Instructor: Jeff Magee
CRN: 40044
Fee: \$125

For specific information on dates and times contact Jeff Magee at jimagee@starkstate.edu or 330-305-6633, Ext. 2.



PROFESSIONAL ENGINEERS AND SURVEYORS

National Electric Code 2014 Update (Residential)

Study all the updates/changes to the 2014 NEC with an emphasis on residential construction. Bring a calculator and your 2014 code book.

Instructor: John Labriola, ESI
CRN: 40035
Saturday, March 5
8 a.m. - 1 p.m.
Fee: \$99

National Electric Code 2014 Update (Commercial)

Continue with the changes/updates in the 2014 code, this time with the focus on commercial construction. Don't miss out on any changes. Bring a calculator and your 2014 code book.

Instructor: John Labriola, ESI
CRN: 40033
Saturday, May 14
8 a.m. - 1 p.m.
Fee: \$99

Introduction to Wind Energy

Learn about wind energy and the wind industry. We'll talk about meteorology of wind extraction of energy from wind and a detailed description of all the components that make up a wind turbine. Following the lecture will be a class-involved demonstration of wind energy generation, giving insight into how design variables influence energy extraction and conversion.

Instructor: James Bothe
CRN: 40031
Saturday, April 9
8 a.m. - 1 p.m.
Fee: \$99

Introduction to Fuel Cells

This course will discuss the theoretical considerations and basic design concepts leading to greater fuel cell efficiency and power densities. An overview of the attendance thermodynamics and conversion efficiencies will be discussed. Following the lecture, a hands-on, class-involved demonstration will give credence to previously discussed theory. First, class individuals will be given an opportunity to make their own aluminum-air battery in order to become familiar with the operation of electro-chemical devices. Next, a fuel cell, which is a hydrogen-air battery, will be tested and class participation is also expected.

Instructor: James Bothe
CRN: 40030
Saturday, March 12
8 a.m. - 1 p.m.
Fee: \$99

Introduction to Solar Power

Solar panels take the sun's energy and convert it to usable electrical energy. Efficiencies are low but the fuel is free. We will discuss the types of solar energy generation concepts as well as emerging solar technologies that achieve higher efficiencies, but only on a lab-scale. A class-involved demonstration of solar power will be performed.

Instructor: James Bothe
CRN: 40025
Saturday, May 7
8 a.m. - 1 p.m.
Fee: \$99

DENTAL

In keeping with the guidelines established by the Ohio State Dental Board for licensure/certification, all individuals participating in dental lab courses are **required to provide appropriate documentation of immunization of hepatitis B and current certification in CPR in order to participate in continuing education courses.

While Stark State College does not require additional immunizations, it is strongly recommended by the Centers for Disease Control that all healthcare workers be immunized against vaccine-preventable diseases such as hepatitis B, influenza, measles, mumps, rubella and varicella. Because healthcare workers are considered to be at significant risk for acquiring or transmitting these diseases in the course of their professions, the Allied Dental Health Department at Stark State College supports this recommendation.*

*U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES Centers for Disease Control and Prevention (CDC), Atlanta, Georgia 30333

Registration will end as indicated before each course start date. An active email, a middle initial and a social security number are necessary for access to Angel/online materials (if required for your course).

A minimum number of students is required to run all dental CE courses.

Coronal Polishing for the Certified Dental Assistant

This didactic and hands-on course teaches basic anatomy, exposure control procedures, ergonomics, techniques and indications and contraindications for coronal polishing. You'll complete a three-hour face-to-face lecture where you'll learn the basic concepts that will prepare you for the five-hour clinical practice session. You'll practice and demonstrate appropriate coronal polishing techniques on anatomical models to prepare for student partner practice (liability form must be received prior to clinical participation). Both written exam and clinical competency must meet a minimum of 75 percent. Appropriate certification by DANB or the Ohio Commission on Dental Assisting required.

Registration will close one week before the class start date.

Once registration closes, a welcome packet will be emailed to the email you provided at registration. This packet will outline course outcomes and expectations. *Lunch is provided.*

You must bring the following to class*

- copy of current CDA certificate (DANB or Ohio CODA)
- copy of current BLS certification
- proof of HepB vaccination/immunity**
- signed liability form (instructor will hand out on the day of class.)

Instructor: Sheri Herbert, RDH
CRN: 40009
Saturday, February 6
8 a.m. - 3:30 p.m.
Fee: \$395
Room: H211

Registration will close on January 29.

Local Anesthesia for the Dental Hygienist

This self-study, lecture and hands-on course prepares dental hygienists in Ohio for the safe and effective administration of local anesthesia and pain control. Topics include anatomy, physiology, pharmacology of local anesthesia, administration of local anesthesia and indications, precautions and limitations associated with the use of local anesthesia. You'll first complete a 12-hour online module, followed by a three-hour lecture and 14 hours of clinical practice in the techniques of local anesthetic administration on anatomical models and lab partners. You are required to serve as participant partners during the clinical training portion of the course. Completion of this course prepares you to take the NERB examination required for dental hygiene local anesthesia credentialing in Ohio. (The NERB exam is NOT included in this course.) This course is approved by the Ohio State Dental Board and meets the standards for dental hygienists to be able to administer local anesthesia in the state of Ohio. It will be held in the Stark State College Dental Clinic under the supervision of a dentist and qualified dental hygienist faculty. **Registration will close two weeks before the class start date.** Login information will be received in an electronic welcome packet at the email address provided approximately three weeks prior to the face-to-face delivery. Students will need to communicate with instructor and upload verifications to confirm access.

Lunch provided.

Course participant requirements

- Purchase of required textbook before completing online module (Handbook of Local Anesthesia by Malamed, 6th edition, 9780323074131). Textbooks are available in the College bookstore.
- Completion of online learning modules according to the assigned schedule (online portion will be available three weeks before the clinical portion to paid registrants only)
- Achievement of 75% on all online exams to participate in the clinical component.

Due prior to the first clinical session* (see welcome packet for more information)

- Copy of current Ohio dental hygiene license
- Copy of current CPR/BLS certification
- Completed health history form
- Completed liability release form
- Proof of Hep-B vaccination/immunity**

*Information about these items is available online. You may access the online course and contact the course instructors using the login provided. Course modules will be available three weeks prior to start of the face-to-face portion. PLEASE NOTE: because our system requires BOTH a middle name/initial AND a SS# to access course information, participants **MUST** provide this information upon registration. Please be aware the welcome packet will be delivered to the email address provided upon registration. You **MUST** check your email for the information necessary to log in to your course(s).

If you neglect to provide an active email address, you may not receive the login instructions in time to participate in the course.

Instructor: TBD
CRN: 40010
Saturday and Sunday,
February 20 and 21
8 a.m. - 4:30 p.m.
Fee: \$1,095
Room: H102

Registration will close on February 5.

Dental Sealants for the Certified Dental Assistant

This course meets the guidelines outlined in the statutes of the Ohio Dental Practice Act for sealant application by certified dental assistants in Ohio. You'll receive two hours of didactic instruction focusing on terminology, anatomy, exposure control, dental materials and placement procedures, followed by six clinical hours of demonstration, practice and clinical competency of sealant placement. During the six hour lab practice session, you'll practice and demonstrate appropriate sealant application techniques on anatomical models and typodonts, followed by student partners. Both written exam and clinical competency must meet a minimum of 75 percent. Appropriate certification by DANB or the Ohio Commission on Dental Assisting is required. **Registration will close one week before the class start date.**

Once registration closes, a welcome packet will be emailed to the email you provided at registration. This packet will outline course outcomes and expectations.

Lunch is provided.

Due prior to the clinical session*

- copy of appropriate CDA certificate (DANB or Ohio CODA)
- copy of current CPR/BLS certification
- proof of HepB vaccination/immunity**
- signed liability form

*The instructor will collect these documents on the day of the class.

Instructor: Jill Kohler, RDH,
CRN: 40011
Saturday, February 27
8:30 a.m. - 4:30 p.m.
Fee: \$395
Room: H211

Registration will close on February 19

Oral Health Access Provider

This course will prepare dental hygienists to properly and safely practice dental hygiene under the oral health access supervision program (OHASP). We'll cover the basic concepts that allow a dental hygienist to provide dental hygiene services to patients when the oral health access supervising dentist is not present. This eight-hour course will cover topics such as treatment of geriatric, medically compromised, developmentally disabled and pediatric patients; common oral conditions; medical considerations; medications; behavioral management; recognition of abuse; recognition of what constitutes a medically significant change to a patient's medical or dental history; infection control; and ethical and legal considerations.

As required by 4715.372(B)(2)(b) of the Revised Code, the course will include all recordkeeping practices outlined in board rule 4715-9-01, and those pertaining to the OHASP as stated in 4715.361 to 4715.375 of the Revised Code and will be inclusive of all forms required by the board in association with OHASP.

Lunch provided.

Instructor: Nancy Stanwick, RDH, MS
CRN: 40014
Saturday, April 9
8 a.m. - 4:30 p.m.
Fee: \$395
Room: H211

Medical Emergencies for the Dental Professional

This four-hour course provides information on the recognition of common medical emergencies and emergency protocol including prevention, management and response in a dental office setting. Participants will learn to identify potential risks for emergencies reported in the medical and dental histories of their patients. Recognition of symptoms, first aid treatment and possible outcomes for patients in emergency situations will be discussed. This course meets the guidelines as outlined in the statutes of the Ohio Dental Practice Act required for a dental hygienist to practice when the dentist is not physically present in the office.

Instructors: Lisa Welch
CRN: 40012
Saturday, March 5
8 a.m.-12 p.m.
Fee: \$125
Room: H102

Registration will close on February 24.

CDA Exam Preparation

This continuing education course is designed for dental assistants who are interested in reviewing for the Dental Assisting National Board Examination (DANB) and/or the Ohio Dental Assisting Certification exam (CODA). This review course allows dental assistants studying for either the national or state dental assisting certification exams a face-to-face interaction that includes review, discussion and question/answer session on each examination subject area. The 4.5-hour course will review dental anatomy, radiography and infection control subject areas necessary for preparation for the DANB exam. Other topics will include chair-side and lab skills and procedures, dental materials and sterilization techniques necessary for the CODA exam. No textbook is required and supplemental review and reference textbooks for the dental assisting certification exams will be discussed.

Instructor: Kelli DeCarlo
CRN: 40013
Saturday, March 12
8 a.m. - 12:30 p.m.
Fee: \$129
Room: H211

Registration will close on March 2.

Dental Assistant Clinical Exam Review

This course is designed for dental assistants interested in reviewing for the clinical portion of the Ohio Dental Assisting Certification exam (CODA). This review course allows dental assistants studying for the state certification exam a face-to-face experience that includes review and clinical practice in the techniques of various assisting duties including: types of dental materials, radiography exposure/mounting, instrument identification and practical patient management skills necessary for the CODA exam. No textbook is required, and supplemental review and reference textbooks for the Dental Assisting Certification exam will be discussed. *Lunch provided.*

Instructor: Jill Kohler, RDH
CRN: 40015
Saturday, April 23
9 a.m. - 4 p.m.
Fee: \$250
Room: H102

EFDA Clinical Board Remediation/Review

This hands-on lab course is designed to further prepare an applicant for the EFDA certification exam administered by the Commission on Dental Testing in Ohio, Inc. and the Commission on Dental Competency Assessment. In addition to offering further clinical practice and instruction in EFDA techniques, this course meets remediation requirements/recommendations for applicants who have not successfully passed the Ohio EFDA clinical certification exam after multiple attempts. Clinical practice and instruction will be provided through lab review and practice. Course participants will have the added benefit of a mock board simulation experience as well as one-on-one instruction in any area necessary. The mock board experience serves to further prepare applicants for the actual state clinical exam. Students must have successfully completed an approved training program prior to seeking admission into this review course. Students wishing to take this course to meet remediation requirements or recommendations should be prepared to provide paperwork stating specific exam deficiencies to the course instructor. This enables the instructors to offer specific emphasis and individualized remediation as needed by each participant. *Lunch provided.*

Instructor: Nancy Woodruff, RDH, EFDA
CRN: 40016
Saturday, April 30
8:30 a.m. - 5 p.m.
Fee: \$395
Room: H211



INDUSTRIAL MAINTENANCE

Process Audit Training

Transition to 9001:2015 has been released! This course will include the latest information on transitioning from 2008 to 2015. For more details, contact course instructor Jim Linkie at 330-704-1457.

Instructor: Jim Linkie, RABQSA, MSSC
 CRN: 40038
 Wednesday
 March 2, 9 and 16
 1:30 - 4:30 p.m.
 Fee: \$475

Basic Electricity for Maintenance

This is a noncredit course designed for current maintenance employees to update and refresh their skills. No previous knowledge of electrical systems is required. You'll learn electrical fundamentals, meters, measurements, and basic electrical circuits and how to troubleshoot those circuits in the work place. *Fee includes required classroom materials.*

Instructor: Bill DeCoste
 CRN: 40023
 Tuesdays and Thursdays,
 January 12 - February 11
 4:30 - 7:30 p.m.
 Fee: \$689

— OR —
 CRN: 40024
 Monday and Wednesday
 January 11 - February 15
 4:30 - 7:30 p.m.
 Fee: \$689

Troubleshooting Machine Controls I

This noncredit course is for current maintenance employees to update and refresh their skills. Previous knowledge of electrical systems or Basic Electricity for Maintenance is required. You'll learn how to troubleshoot and properly wire motor control circuits, pilot devices, limit switches and other industrial devices. *Fee includes required text/classroom materials.*

Instructor: Bill DeCoste
 CRN: 40032
 Mondays and Wednesdays
 February 22 – March 23
 4:30 - 7:30 p.m.
 Fee: \$689

— OR —
 CRN: 40022
 Tuesdays and Thursdays
 February 23 – March 24
 4:30 - 7:30 p.m.
 Fee: \$689

Troubleshooting Machine Controls II

This noncredit course is designed for current maintenance employees to update and refresh their skills. Previous knowledge of electrical motor control systems or Troubleshooting Motor Controls I is required. The participant will learn how to troubleshoot complex electric motor controls including timers, reversing starters, PLC interfacing and reduced voltage starting. *Fee includes required classroom materials.*

Instructor: Bill DeCoste
 CRN: 40023
 Monday and Wednesday
 April 11 – May 11
 4:30 - 7:30 p.m.
 Fee: \$689

— OR —
 CRN: 40026
 Tuesdays and Thursday
 April 12 – May 12
 4:30 - 7:30 p.m.
 Fee: \$689

Troubleshooting PLCs – the Basics

This noncredit course is designed for current maintenance employees to update and refresh their skills. Previous knowledge of electrical systems and Troubleshooting Motor Controls I is required. Participants will learn how to troubleshoot and properly wire PLCs, identify and properly locate defective inputs and outputs and be introduced to RSLogix500 software, all using Allen-Bradley Micrologix1000 PLCs. *Fee includes required text/classroom materials.*

Instructor: Butch Powell
 CRN: 40034
 Tuesdays and Thursdays
 January 12 – February 11
 5:30 - 8:30 p.m.
 Fee: \$689

Troubleshooting PLCs – Systems

This noncredit course is designed for current maintenance employees to update and refresh their skills. Participants must be familiar with RSLogix500 and Micrologix1000 PLCs or have taken Troubleshooting PLCs – The Basics. We'll look at troubleshooting small conveyor systems controlled by Micrologix1000 PLCs using RSLogix500 software. *Fee includes required text/classroom materials.*

Instructor: Butch Powell
 CRN: 40037
 Tuesdays and Thursdays
 February 23 – March 24
 5:30 - 8:30 p.m.
 Fee: \$589

Workforce Development Certificate Program

Earn a certificate in industrial maintenance. Select the track that most meets your needs and those of your company, or work towards earning a certificate in each track.

| Electrical | Mechanical | Automation |
|---|--|--|
| Basic Electricity for Maintenance | Basic Electricity for Maintenance | Electrical PLUS Mechanical tracks |
| Troubleshooting Machine Controls I | Troubleshooting Machine Controls I | Troubleshooting PLCs -Systems |
| Troubleshooting Machine Controls II | Hydraulics/Pneumatics Troubleshooting II | CNC Programming |
| Hydraulics/Pneumatics Troubleshooting I | Mechanical Drives (credit class) | CNC Maintenance or CNC Operations or Servo Systems |
| Troubleshooting PLCs - The Basics | Programming Variable Frequency Drives | Blueprint Reading for the Machine Trades |

Troubleshooting PLCs – Analog

In this advanced PLC training, you will learn how to troubleshoot to configure and program an Allen Bradley SLC500 series PLC with 5/04 processor, how to program the PLC for analog and BCD control and how to use sequencer, masking and other data handling instructions. Introduction to Control Net and Device Net will also be included. Prior experience in PLCs required. *Fee includes required classroom materials.*

Instructor: Butch Powell
 CRN: 40039
 Tuesdays and Thursdays
 April 19 – May 19
 5:30 - 8:30 p.m.
 Fee: \$589

Variable Frequency Drives

This is a noncredit course specifically designed for current maintenance employees to update and refresh their skills. Previous knowledge of electrical systems or Troubleshooting Motor Controls I is required. The participant will learn how to troubleshoot and properly wire variable speed drives, including Allen Bradley PowerFlex drives. *Text included in fee.*

Instructor: Greg McInnes
 CRN: 40040
 Tuesdays and Thursdays
 April 5 – May 5
 5 – 8 p.m.
 Fee: \$589

Strategic Industrial Maintenance

Start pulling it all together with this course covering predictive, preventive and reactive maintenance. We'll cross all crafts to enhance the skills of maintenance professionals, helping solve modern day-to-day problems efficiently. We'll cover pumps, fasteners, valves, couplings, bearings, prints and drive components. *Fee includes required text/classroom materials.*

Instructor: Greg McInnes
 CRN: 40036
 Tuesdays and Thursdays,
 February 18 - March 22
 5 - 8 p.m.
 Fee: \$589

Hydraulic/Pneumatic Troubleshooting I

This noncredit course is custom-designed for maintenance personnel. You'll learn the operation and troubleshooting techniques of hydraulic and pneumatic systems. This includes component and circuit principals, safety, symbols, fluids, compressors, pumps, accumulators, control valves, cylinders, and motors using hands-on troubleshooting techniques. *Fee includes required text/classroom materials.*

Instructor: Jim Hardin
 CRN: 40029
 Mondays and Wednesdays,
 February 15 - March 16
 6 - 9 p.m.
 Fee: \$649

Hydraulics/Pneumatic Troubleshooting II

This is a noncredit course designed for maintenance personnel. The participant will learn basic safety, symbols, electro-hydraulics, plus an introduction to proportional control using hands-on lab techniques. *Fee includes required classroom materials.*

Instructor: Jim Hardin
CRN: 40027
Mondays and Wednesdays,
April 18 – May 18
6 - 9 p.m.
Fee: \$649

2-G Welding

This course is designed to teach welding basics to prepare a student to take an AWS D1.1 2G test. Includes core welding kit and two GMAW, GTAW or SMAW (horizontal/2G) tests.

Student is required to provide: Leather work boots, jeans and cotton long-sleeved shirt

Instructor: Fred Albrecht
CRN: 40020
Fridays and Saturdays
January 8 – March 12
10 a.m.-1 p.m.
Fee: \$2,198

— OR —

CRN: 40021
Fridays and Saturdays
March 18-May 28
10 a.m.-1 p.m.
Fee: \$2,198

National Electric Code 2014 Update (Residential)

Study all the updates/changes to the 2014 NEC with an emphasis on residential construction. Bring a calculator and your 2014 code book.

Instructor: John Labriola, ESI
CRN: 40035
Saturday, March 5
8 a.m. - 1 p.m.
Fee: \$99

National Electric Code 2014 Update (Commercial)

Continue with the changes/updates in the 2014 code, this time with the focus on commercial construction. Don't miss out on any changes. Bring a calculator and your 2014 code book.

Instructor: John Labriola, ESI
CRN: 40033
Saturday, May 14
8 a.m. - 1 p.m.
Fee: \$99

ALTERNATIVE/EMERGING TECHNOLOGIES

Introduction to Wind Energy

Learn about wind energy and the wind industry. We'll talk about meteorology of wind extraction of energy from wind and a detailed description of all the components that make up a wind turbine. Following the lecture will be a class-involved demonstration of wind energy generation, giving insight into how design variables influence energy extraction and conversion.

Instructor: James Bothe
CRN: 40031
Saturday, April 9
8 a.m. - 1 p.m.
Fee: \$99

Introduction to Fuel Cells

This course will discuss the theoretical considerations and basic design concepts leading to greater fuel cell efficiency and power densities. An overview of the attendance thermodynamics and conversion efficiencies will be discussed. Following the lecture, a hands-on, class-involved demonstration will give credence to previously discussed theory. First, class individuals will be given an opportunity to make their own aluminum-air battery in order to become familiar with the operation of electro-chemical devices. Next, a fuel cell, which is a hydrogen-air battery, will be tested and class participation is also expected.

Instructor: James Bothe
CRN: 40030
Saturday, March 12
8 a.m. - 1 p.m.
Fee: \$99

Introduction to Solar Power

Solar panels take the sun's energy and convert it to usable electrical energy. Efficiencies are low but the fuel is free. We will discuss the types of solar energy generation concepts as well as emerging solar technologies that achieve higher efficiencies, but only on a lab-scale. A class-involved demonstration of solar power will be performed.

Instructor: James Bothe
CRN: 40025
Saturday, May 7
8 a.m. - 1 p.m.
Fee: \$99

GAS AND OIL EXPLORATION

IADC Rig Pass with SafeLAND USA and SafeGULF Training

This fully accredited, nationally recognized safety training course provided by the International Association of Drilling Contractors will address the health, safety and environmental training and requirements for oil and gas service contractors and exploration and production employees both on shore and off shore. This course covering an industry-standardized curriculum will give you basic knowledge of

- work site safety
- overview of government agencies and applicable regulations
- employee responsibilities
- environmental protections
- incident reporting procedures

After completing the course, you'll be issued a completion card with an identification number that will be entered into the national databases for IADC Rig Pass, SafeLAND USA and SafeGULF.

Instructor: TBD
CRN: 40017
Friday, March 11
7:30 a.m. to 5 p.m.
Fee: \$195 (includes box lunch)

— OR —
Instructor: TBD
CRN: 400
Friday, November 6
7:30 a.m. to 5 p.m.
Fee: \$195 (includes box lunch)



HEALTH AND RECREATION

Personal Trainer National Certification

Come join this fun profession and be a part of what Fortune Magazine & ABC NEWS.com states as the 4th hottest job in the U.S. at a national average of \$34 an hour. Employers like 24 Hour Fitness, LA Fitness and Gold's Gyms are just a few of the club groups that seek out our graduates. Whether a career move or for your own personal knowledge, get all the information you need to become a Certified Personal Trainer. This challenging course is taught over a 8-week period for better retention and skill competency. The National Exam is held on the 9th week. The course is formatted as a 62-hour program and is comprised of 16 hours of lecture, 16 hours of hands on practical training and a 30-hour internship that networks many graduates right into a job. The course prepares you for success with key topics that include biomechanics, exercise physiology, fitness testing and equipment usage and health assessment. CPR/AED training is needed to receive the certificate. W.I.T.S. is the only major certifying body in the country. For more information: www.witseducation.com.

Textbook is required and not included in course fees. Call to order: 888-330-9487 {www.witseducation.com}

W.I.T.S. is an approved CEU provider for the Board of Certification for Athletic Trainers (BOC), the American Occupational Therapy Association (AOTA), National Certification Board for Therapeutic Massage & Bodywork (NCBTMB), Veterans Training and Education, the International Association of Continuing Education and Training (IACET). The American Council on Education has recommended 3 undergraduate academic credits for this course.

Instructor: Staff, World Instructor Training Schools
CRN: 40018
Saturdays
March 12 - May 14
9 a.m. - 2 p.m.
Fee: \$734

REGISTRATION AND PAYMENT

Students must register and pay for classes five business days before the class begins.
Early registration is recommended for sufficient enrollment to conduct classes.

CLASS LOCATION Unless otherwise noted, all classes are held at the Stark State College Advanced Technology Center, located at 6200 Frank Avenue, NW, North Canton, OH 44720.

CERTIFICATES OF COMPLETION Stark State College awards students with certificates for satisfactory completion of continuing education offerings. The College follows national guidelines for continuing education and is a member of the Ohio Continuing Higher Education Association. To achieve satisfactory completion, students must attend at least 80% of the continuing education course/offering.

WITHDRAWAL AND REFUND POLICIES Notice of student cancellation must be received two or more days prior to the start of both online and face-to-face classes. A full refund will be made upon notice of cancellation. If course delivery has begun (online or face-to-face), a refund will not be issued.

CANCELLATIONS The College reserves the right to cancel any course due to low enrollment. In the event the course is cancelled due to low enrollment, a full refund will be issued.

PARKING Free, lighted parking is available at the Stark State College Advanced Technology Center. For continuing education classes on the main campus, students will receive parking permits on the first day of class.

ROOM ASSIGNMENTS Room number for classes will be posted in the Advanced Technology Center lobby on the first day of the class.

TEXTBOOKS Most continuing education classes will provide required textbooks at the first class, unless otherwise noted in the class description. Please note whether you are required to purchase the textbook at the college bookstore or if it is included with the class fees.

COMPANY DISCOUNTS Companies enrolling three or more employees into the same class will receive a 10% discount. Discount does not apply to credit courses.

SENIOR CITIZENS Senior citizens (60+) will receive a 15% discount on course fees by presenting a copy of their Golden Buckeye Card at the time of registration. This discount applies to in-person registrations only and does not include special senior citizen classes or company-paid registrations.

TAX DEDUCTION If the purpose of attending workshops or classes is to help you maintain or improve your skills relating to employment or business, expenses for fees and books may be tax-deductible according to I.R.C. Reg. 1.162-5. You may also qualify for a Lifelong Learning tax credit. Consult your tax advisor for more information.

REGISTRATION FORM *Form may be duplicated for additional registrations*

S.S No. _____ - _____ - _____ Today's date _____

Name _____
Last _____ First _____ Middle _____

Home address _____

City/State/Zip _____ County _____

Business name _____

Business address _____

City/State/Zip _____ County _____

Date of birth _____

Home phone _____ Work phone _____

E-mail address _____

| CRN | Course Title |
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Get a seat in the classes you want

THREE EASY WAYS to register

>> MAIL-IN

Complete registration form and mail to
Stark State College
Workforce and Economic Development
Advanced Technology Center—T200a
6200 Frank Ave NW
North Canton, OH 44720

>> SCAN-IN

Email your completed registration form to
continuingeducation@starkstate.edu

>> WALK-IN register in person

Stark State College
Workforce and Economic Development
Advanced Technology Center—T200a
6200 Frank Ave NW
North Canton, OH 44720
Monday-Friday 8 a.m. - 4 p.m.
330-966-5455

[CHECK PAYMENT TYPE]

Continuing education and noncredit students are not required to pay the application fee required for credit students.

Make checks payable to Stark State College

Note: No refunds will be given after class begins.

SSC Employee Benefit _____

Invoice Company - P.O. No. _____

Check (enclosed) - Check No. _____

Money Order (enclosed) Debit Card

VISA MasterCard Discover

Total \$ _____

Debit/Credit Card No. _____

Expiration Date _____

Name on card _____

Card billing address _____

City/State/Zip _____

Signature (required for debit/credit card payment)