Training our community’s first responders (pages 2–3)

Workforce & Continuing Education

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Careers are a lifelong journey.

The reality is today’s escalating technological advances are resulting in a new future of work. It’s not about making a one-time choice out of a longstanding menu of selections, earning the designated credential and following a well-documented route through to retirement. Rather, it’s an ongoing cycle of making choices, learning, risk taking and evaluation.

In this issue of Connect, we feature how individuals at different stages of their lives are approaching the process and merging their passion with purpose. You’ll meet those who prepare to serve as our community’s first responders to students actively engaging in community service and exploring career fields. You will also read about the college’s efforts to introduce youth to the far-reaching possibilities of STEM (science, technology, engineering, math) careers, bring literature and science to life for elementary school children through theater, and help veterans develop their futures as civilians.

Macomb Community College has been a partner and indispensable resource for more than 60 years, evolving in concert with the community and changing times. We’re here to help you navigate and thrive even as the world of work transforms.

Regards,

James O. Sawyer IV, Ed.D.
Macomb's Office of Veteran and Military Services helps veterans and military-connected students maximize their educational opportunities, directly connecting them to proven community resources to support their success in college. Annually, the office helps nearly 600 students navigate Veterans Benefits Administration and college processes, including registration and class scheduling. Additional services include connecting veterans to a financial coach, potential scholarships and resources for ancillary costs, assistance finding work and assistance with transportation.

Robert Snay, 49, of Harrison Township, who served in the U.S. Navy Construction Battalion, submitted this photo of three soldiers in Afghanistan for the exhibit: A Photographic Journey of Macomb’s Veterans

A photographic journey of Macomb’s veterans

On Nov. 8, community leaders, student veterans and Macomb staff gathered to commemorate Veterans Day with a reception to kick off an exhibit being presented at both the college's South Campus in Warren and Center Campus in Clinton Township. Macomb students submitted photographs and captions of their experiences while on active duty for the exhibit, A Photographic Journey of Macomb’s Veterans. Student Jeff Sonig, 48, of Chesterfield, spoke at the reception, sharing his experiences, including the transition back to civilian life.

Service animals can be the best medicine

Student veteran Bobby Champagne, 38, of New Baltimore, served his country for 15 years in the U.S. Navy Construction Battalion before being honorably discharged. When he came home, he brought more than just a duffle bag. He also came home with Post Traumatic Stress Disorder, making adjusting to life back home an even greater challenge. That's when he discovered Macomb Community College.

“My biggest thing was safety and security,” said Champagne. “I was always hyper-vigilant and never at ease. I didn’t feel safe. My VA counselor suggested the best course of action would be prolonged exposure to other people. That’s not easy, but it is one of the things I get going to college.”

Through Macomb’s Veteran and Military Services Office and a chance meeting with another veteran, Champagne discovered something that would be instrumental in his ongoing recovery, a service dog.

“I asked him (the other veteran) point blank, ‘How is he with you?’ and he said, ‘If I had him five years ago, it would have saved my marriage. That’s how powerful a service animal can be,’” said Champagne.

In consultation with his wife, Champagne made the decision to get a service animal. The process involved sharing his specific needs with the kennel operator, so his support animal, Penny, would be appropriately trained for his circumstances.

“Penny gives me the ability to go to the movies at night with my children,” said Champagne. “Now I can take my kids to a restaurant and sit in the middle of the room—not with my back against the wall. She gives me freedom.”

With Penny at his side, Champagne wants to spread the word about what a service animal can do for a veteran with a disability.

“Don’t be the veteran who automatically assumes it won’t be a fit for you,” said Champagne. “There are so many options, so don’t say I can’t or it’s too hard or expensive. Reach out to veteran services for help.”

Scholarships are available for student veterans

Macomb has scholarships available for student veterans and other military-connected students, including the Veterans of the United States (VOTUS) Scholarship for Children or Spouses of Deceased Military or Veterans.

Established in 2017 by donor Sandi Jones in memory of family members who served in the military, the VOTUS scholarship provides for individual $1,000 scholarships each year, filling gaps in veteran educational benefits. Candidates must be enrolled at least half-time and possess a minimum grade point average of 2.5. Thirteen awards have been granted so far for the 2019–2020 academic year.

For more information, visit macomb.academicworks.com/opportunities/5364 or call 586.445.7999.
If you call 911 in Macomb County, chances are the person responding will be a Macomb Community College graduate. With nearly 4,600 police, fire and emergency medical service (EMS) graduates since 1970, you can find them in public service agencies all across Southeast Michigan.

Macomb’s Public Service Institute offers police, fire, EMS and homeland security programs, from training for those preparing to enter these fields through ongoing professional development for working professionals. Each of these programs have specific degree and certification possibilities and are the pipeline for first responders who keep us safe throughout the area.

It takes a special person to work in public service. While there is a shortage of first responders in Macomb County and across the country, there are still many who want to make a difference through a meaningful career that positively impacts lives.

“I chose to be a police officer because of my family,” said Lonnell Jones, 29, of Warren. Jones is a 2016 graduate of Macomb’s Police Academy who currently works for the Detroit Metropolitan Airport Police Department. “I wanted a real career, and I wanted to do something to help people. But, especially, I wanted to be a role model for my younger brothers and sisters. When I did get the job as a police officer, my brothers and sisters were all happy and excited.”

Extended schedule academy opens up opportunities in law enforcement

Traditionally, attending a police academy requires an 18-week commitment of eight hours a day, five days a week. For those with work and family obligations during the normal workday, the dream of being a police officer has been out of reach. So, in 2018, Macomb Community College’s Public Service Institute (PSI) introduced an extended schedule police academy that meets three nights a week and every other Saturday over a 10-month period.

“I’ve always been interested in law enforcement but never really got the opportunity to pursue it once I got settled in my current role,” said Jason Ulatowski, 34, of Almont. Ulatowski will graduate from the extended schedule academy in December 2019. “And it’s impossible to take 18 weeks off of work for a full-time academy and still pay the bills, own a home and make my car payments. The night academy offered something I didn’t think would ever happen. When I was younger, I just don’t think I had the mental capacity to really bear down and do it, but I think that has come with life experience.”

Macomb’s extended-schedule academy offers the same curriculum and training as the full-time academy and is designed to allow someone to work, raise a family or take care of other responsibilities while attending the academy. Ideally, the new academy will also help address the shortage of police officers by developing a greater number of qualified candidates and attracting a more diverse pool of potential officers.

“We are always working to make our department reflective of the people who live and work in the community,” said Dale Dwojakowski, chief of police, Sterling Heights. “We believe the new academy will attract a different, non-traditional learner; someone who doesn’t fit the traditional mold. This is something completely new that is an equalizer for those who couldn’t attend a full-time academy.”

“The extended schedule academy is intended to attract those who may be working and may have a career but are dissatisfied and want to do something more meaningful with their life,” said Mike Lopez, director of Macomb’s PSI. “The flexibility of scheduling broadens the scope for someone who couldn’t necessarily afford this right out of school or were under some other sort of pressure not to pursue this profession. They can now follow this path in a more conducive environment.”

Police training is accredited by the Michigan Commission on Law Enforcement Standards (MCOLES), which sets the standards for training and ultimately licenses officers. Both Macomb’s full-time and extended-schedule program surpasses MCOLES standards. Macomb’s graduates benefit from approximately 200 hours of additional instruction and application skills beyond MCOLES minimum mandates. Some of this additional training involves advanced technology, like a use-of-force simulator, which allows cadets to experience and practice real-life situations, including split-second decision making, without endangering themselves or others. Macomb’s PSI is also home to the largest indoor firing range in Michigan, which is designed to accommodate situational training not possible in other ranges.

The next extended schedule police academy is scheduled to start in August 2020. Those interested are encouraged to call 586.498.4060 or email policeacademy@macomb.edu.
Firefighting and EMS: Saving homes and hearts

By the time she graduated from high school, Ashley Brouwer, 19, of Clinton Township, had decided to follow in her father and grandfather’s footsteps and become a firefighter.

“When I was 15 or 16, my father let me come to work with him, and I got a little bit of a taste of what the job (firefighting) was really like. It was a good perspective,” said Brouwer. “I’ve always loved to help people.”

Brouwer graduated from Macomb’s Fire Academy in May 2019 and is planning to return to Macomb for her paramedic certification.

The fire academy at Macomb’s Public Service Institute (PSI) offers Firefighter I and Firefighter II certification. Governed by the Michigan Firefighters Training Council, Macomb’s academy exceeds the standards set forth by the state with additional classroom and training hours, including specialized facilities such as its live fire tower.

“You don’t just pull a hose out and throw water at a fire; there is a complete science behind it,” said Mike Lopez, director of Macomb’s PSI. “You need to understand the whole picture including building construction, pump operation, hydraulics, breathing apparatus operation and repair, vehicle extraction and a variety of power equipment operation.”

To work in a fire department, new recruits must be Firefighter II certified by an accredited program, such as Macomb’s 10-week academy, pass the state’s written exam and the Firefighter II practical exam. Most departments require new firefighters, like Brouwer, to be paramedic certified.

“The person who comes into the firefighting profession now not only needs the physical component and knowledge to do the firefighting part, but also the ability to do the EMS part,” said Lopez. “You have to be pretty diverse in your skills to fire-up a chain saw and cut a hole in the roof, and an hour later interpret an EKG or administer cardiac medication to someone who has had a heart attack.”

Macomb’s PSI offers two levels of emergency medical technician (EMT) training: basic EMT and paramedic. Basic EMT, a one-semester program, is required before taking the state exam to be a certified EMT. There are EMT job opportunities with private ambulance services and in many medical settings.

“I’ve been working as an EMT for four years,” said LaPorsha Jones, 31, of Shelby Township. “There is nothing more rewarding than telling a family that their family member is going to be okay.” Jones is a paramedic student at Macomb and plans to become a firefighter upon graduation.

The paramedic program is a selective admission program where interested students need to petition for entrance. The 10-month program includes classroom lecture, lab work and hospital clinicals, including emergency, operating room, and labor and delivery. The final internship takes students out into the field in an ambulance for practical experience.

“Whether you go into police, fire or EMS, they are rewarding career paths,” said Lopez. “It may not be for everybody, but for those who are interested in serving their community, it’s a great way to go.”

For more information on the fire academy and EMS training, call 586.498.4020 or email ftc@macomb.edu.
Technological advances enhance health care learning experiences

When it comes to teaching curriculum for health care professions, one of the challenges can be the ability to provide students with the opportunity to perfect their skills. In days of old, injections were practiced on oranges and physical dissections reinforced anatomy studies.

Now, thanks to continually advancing technology, Macomb Community College’s health care students learn to take blood pressures on a human patient simulator (HPS) that can breathe, talk, blink and suddenly experience a medical emergency like cardiac arrest—prompted by an instructor’s input into a computer located behind a mirror in an observation room. And, an Anatomage Table allows for virtual dissection of every layer of the human and some animal anatomies.

“Our programs provide ample opportunity for lectures and discussions with an emphasis on the importance of personal, caring touch, but these technological devices provide an opportunity for students to gain hands-on experience in a safe and educational environment,” said Narine Mirijanian, Macomb’s dean of Health and Public Services. “Through the use of technological devices, Macomb students experience comparable situations that they will see in the workplace setting.”

The Anatomage Table is the college’s latest technological wonder. Envision a six-foot-long surface much like an iPad that displays a 3D image, giving students a depth of field that provides views from all angles. A “patient” can be turned, or segmented, to show muscles on one half and the skeletal system on the other half. All systems—such as vascular, pulmonary and nervous—are inputted into the table’s computer. The table is used during lecture and is available for students to use in study sessions.

“As a community college, we’re unique to have the Anatomage Table,” said Mirijanian. “The integration of both the HPS and the Anatomage Table gives students a complete clinical experience and provides a solid environment as a training ground.”

The instructors for each of Macomb’s health care programs incorporate use of technology to enhance the students’ learning experience. “The students can hone their skills and gain confidence,” explained Stephani Marcincavage, Macomb’s HPS coordinator. “Every nursing student, for example, practices multiple simulations that reflect scenarios they would experience in their workplace setting. We set scenarios that go along with what they’re currently learning.”

Make it a season of health as well as happiness

‘Tis almost the season when family get-togethers and holiday parties will challenge the will power of even the most stoic. From Thanksgiving feasts to New Year’s Eve buffets, there is plenty of eating that will be done during the next month or so. Linda Jenuwine, professor of exercise science at Macomb, offers a few tips on how to make it to Jan. 2 with wit and waist intact.

1. Make time to exercise: You can be late to the cookie party.
2. Hit all five food groups: Pumpkin pie is not a vegetable.
3. Eat before you go: It’s easier to pass on the cheese fondue.
4. Splurge selectively: Baklava today, no popcorn ball tomorrow.
5. Drink water: It’s not just for the pine trees.
6. Take a long winter’s nap: Seven to eight hours for optimum merriness.
7. Downsize the stress: No one cares if the lasagna came frozen.
8. Wash hands often and get a flu shot: Smiles aren’t all that’s contagious.
9. Limit those eggnogs: Give up the car keys if you don’t.
10. Be kind to yourself and those around you: ‘tis the best gift of all.
Macomb students practice techniques consistent with their respiratory training curriculum on the human patient simulator.

Mirijanian notes that the college strives to prepare its health care students with the knowledge and skills that are comparable to what they will experience in their clinical setting.

“We have state-of-the-art equipment that reflects industry standards, including hospital beds for nursing and a setting for our surgical technician students similar to an operating room,” Mirijanian said. “When our students begin their clinicals, they are not surprised by their surroundings because they have become familiar with the settings and equipment at Macomb.”

The college enlists the expertise of an advisory board comprised of community and industry partners to drive innovation as it relates to technology in the classroom, Mirijanian said. Additionally, Macomb’s health program coordinators, who themselves are active in their fields, share what is new technologically in their areas and bring that information to the board for consideration.

Macomb has taken its training a step further by collaborating with Michigan State University osteopathic medical students who study at the college’s University Center on Center Campus. The schools have established an annual interpersonal disciplinary event in which the medical students and Macomb’s health care students interact as professionals to experience how they will be working together in their respective careers.

“Along with honing their skills in an interdisciplinary manner, they learn how to listen and talk with each other,” Mirijanian said. “This is a collaborative opportunity for both faculty and students, and it helps ensure that both schools provide students with a comprehensive experience that will best prepare them for their professions.”

Transform your home into a feast for the eyes

There is likely no time of year that thrills the do-it-yourself decorator more than the fall and winter holidays. A pumpkin here, a wreath there and an entire tree (or two or three) on which to bestow one’s style and creativity is in and of itself cause for celebration. To inspire those who enjoy this task, and even those that don’t, faculty from Macomb’s Floral Design Program offer a few ideas.

Bring in the fall harvest. Wrap small stalks of Indian corn around a large candle with twine as a Thanksgiving Day centerpiece and mound your mantle with varying sizes of pumpkins and gourds. And hollow out one of those pumpkins for a soup tureen.

On the cheap. Forage your neighborhood for fallen pine cones and decorate with metallic spray paint and glitter for gift toppers and tree trimmers, or affix to dollar-store candlesticks for a sparkling display.

Tried and true. Evergreens everywhere make for a festive (and aromatic) holiday home. As long as they have a water source (like the green foam used by floral designers), they will last through New Year’s.

One word, plaid. It’s not just for bathrobes anymore, but perfect for a red-and-green country theme.

Create a glow. Insert battery-powered light strands set on timers into clear vases and use instead of candles on your dining room table or mantle, or go retro with the pointed cone lights of yesteryear that now come in LED.

Edit your space. Don’t try to mix holiday décor with the knickknacks that grace your tables, bookshelves and counters during the rest of the year. Store them away until January so your holiday items have room to shine.

Show off your collection. Be it candlesticks or snow globes, group like items together for eye-catching displays.

Repurpose. Cover existing artwork in wrapping paper or burlap and decorate with shiny ribbons and bows, skirt your tree with a favorite tablecloth or fill your grandmother’s crystal (sherry glasses to fruit bowls) with glass ornaments.

Fill in those branches. Spruce up a bare tree with dried flowers, gold and silver “twigs,” fake peacock feathers, pieces of decorative ribbon, Mardi Gras beads and anything else that is sparkly, colorful and can hide those pesky gaps between branches. But hold the tinsel, please.

Set a mood with color. Go exuberant with hot pink and citrus orange, old school sophisticate with black, red and gold, ethereal with white and silver, or beachy with turquoise blue and sea foam green.

Left: Grouping like objects together makes for a distinctive display.

Right: An evergreen arrangement with an LED candle on a timer.

Photos courtesy of Kay Kiekbusch, Macomb floral design instructor.
In February, Macomb student Katlin Pfropper, 26 of St. Clair, will accompany three Macomb culinary professors, Scott O’Farrell, Jim Ford and Scott Simpson, to compete in the IKA/Culinary Olympics 2020 in Stuttgart, Germany. Pfropper competed against other Macomb students in a six-month tryout process to earn her spot at the world’s largest and oldest international exhibition of culinary arts.

“I enjoy challenging myself and growing,” said Pfropper. “Going to the Olympics will help me to hone my skills and give me some great opportunities. Competing alongside our great chefs is a bonus.”

Participants from 56 countries travel to Stuttgart to compete in the Culinary Olympics in a variety of categories, including artistic centerpieces and carvings, as well as a hot food category that requires preparation of a full five-course meal. Entrants have the opportunity to win gold, silver or bronze medals based on a 100-point scoring system. Those with the difficult-to-obtain score of 90 to 100 take home the gold. The rare 100-point score takes home a special “perfect score” medallion.

Held every four years, the Culinary Olympics is intended for professional chefs and doesn’t have a student category. Pfropper will be competing side-by-side with some of the best chefs in the world.

In 1996, led by former professor Dave Schneider, Macomb was the first college to compete with a student team at the Culinary Olympics. That year, Macomb fielded an all-female team, another first for this competition. Macomb continues to be one of only a few college teams in the competition. Since then, Macomb has had a team in every Olympics, bringing home five gold, 17 silver and five bronze medals. Funding to support the Macomb Culinary Institute’s participation in the Olympics is through a variety of sources, including several culinary program funds supported by private donors.

While Pfropper earned an associate degree in culinary arts and restaurant management from Macomb in May 2017, she returned to the college for an additional degree in pastry arts. A seasoned competitor, Pfropper won the alumni division of the National Collegiate Ice Carving Competition last year. She also participated, along with Ford, in the Netflix show Sugar Rush, which will air in November. At the Culinary Olympics, she will compete in pastillage, which is a thick sugar paste that can be molded into different shapes and forms. She plans to create a sugar sculpture for the competition.

“I’m very excited to take on this new challenge,” said Pfropper. “I like art and being creative with my work.”

O’Farrell, Simpson and Ford are seasoned Olympic competitors. In fact, O’Farrell, Culinary Department coordinator, has competed at the Olympics for 30 years and led the Macomb team since 2004. He has taken home numerous medals, including the perfect score medallion. O’Farrell notes that he is the only chef in the United States who has competed in the last six Olympics and brought home medals: two bronze, one silver, two gold and the special medallion. Ford took a silver medal at the last Culinary Olympics with a chocolate sculpture. Simpson competed as a student at the last Olympics and brought home a silver medal.

Alpine music filled the air, courtesy of Siasswasser Tanzmusi, at the Oktoberfest fundraiser held by the Macomb Culinary Institute at the Lorenzo Cultural Center on the college’s Center Campus on Sept. 28. Attendees enjoyed gourmet German food prepared by Macomb’s culinary students. Funds raised support the culinary arts program and its students.
Making a difference

Student Life helps students create a lasting impact in the local community and beyond

More and more college students are engaging in community service, seeing volunteerism as a way to positively impact their community and society at large. Macomb’s Student Life and Leadership (Student Life) Department fuels this passion by providing students ample opportunities to give back and serve others.

Throughout the academic year, Student Life holds monthly volunteer activities to engage students and ensure they meet course requirements for community service. These are small in nature, accommodating anywhere from 10 to 15 students who carpool together to sites throughout the Metro Detroit region.

Among the participating organizations are Arts & Scraps Warehouse, Capuchin Soup Kitchen, Forgotten Harvest, Gleaners Community Food Bank and Habitat for Humanity. The agenda usually includes a brief introduction from those hosting the activity, explaining to students what they do and how their work helps those in need.

“It’s a very personal setting,” said Jamie Valente, manager, Student Life and Leadership, who oversees this programming with her co-manager, Jennifer McCabe. “They’re connecting with their fellow students that are with them. And, they’re connecting with the organization they’re with.”

Student Life also provides volunteer experiences that reach far beyond the local community. Through Alternative Spring Break (ASB) events, students have the opportunity to explore and volunteer in different out-of-state locations, including Manhattan, New York, Nashville, Tennessee, and Outer Banks, North Carolina. Participants spend a couple of days making an impact in the community they’re visiting, but they’re also given a little time to tour the city, experience the local culture and enjoy the food.

“It’s a really cool opportunity to give our students a chance to travel and see different communities,” said Valente, “but also make an impact in the communities they’re exploring.”

One ASB, for example, brought students to Pittsburgh. Partnering with The Pittsburgh Project, volunteers assisted community members with household tasks including painting, as well as floor and kitchen installation. Many students report back that these trips are life-altering experiences.

“I literally have students tell me that it changed their career trajectory,” added Valente.

Similar to ASB, Student Life periodically hosts Alternative Weekends, which are held in the fall. One year, students traveled to Indianapolis, Indiana, where they built a wheelchair ramp for a homeowner who didn’t have handicap access.

“The woman who owned the home was there,” related Valente, “and we got to meet her at the end and see how much this meant to her.”

On a much larger scale is the college’s annual Martin Luther King Jr. Day of Service (MLK) in January. A collaborative effort among several college departments, MLK Day partners with a variety of community organizations, offering hundreds of volunteer opportunities. Macomb’s MLK Day is open not only to students, but also to alumni, family and friends, as well as Macomb faculty and staff.

And for many regulars, MLK Day has become a tradition. In some cases, there are “families that always do [a] particular site, every year,” said Valente. “It’s a cool bonding experience between the parent and their children, and it’s setting a really great example.”

Macomb student Kamaria Norwood who, along with her little sister Halo, volunteered her services at this year’s MLK Day noted that “It’s been great to get involved and meet new people.”

Many students feel as Norwood does and continue to be exceptionally generous with their time and efforts.

“Volunteering is very popular with students,” confirmed Valente. “Students care about impacting their community positively, which is wonderful.”
From classroom to career:
Macomb resource is a bridge from education to employment

Macomb Community College’s Career Services Department is a comprehensive resource for students, from resume writing to interviewing to job searching. It also helps local employers connect with the college’s talented pool of students and alumni via MacombCareerLink, Macomb’s online employment portal.

There, employers can post jobs and search for qualified candidates. After creating a listing, employers are provided with an array of opportunities to build awareness about their company and find the perfect candidate among Macomb’s vast network of students and alumni. Thanks to Career Services’ efforts, employers have welcomed students into their facilities, greeted them on campus, and have placed them in part- and full-time positions.

Over the course of each semester, Career Services partners with local employers to host regular First Friday Field Trips. According to Macomb’s Employer Development Coordinator Kimberly Goss, these interactive experiences allow 15–24 students to hear from staff representatives “about their classroom to career journey” and tour their facilities.

“This helps our students decide, sometimes, if they’re undecided,” said Goss. “Or, stay in the degree that they’re looking for.”

Another way Career Services helps connect employers with students is through Meet the Recruiter events. Employers who have an active posting on MacombCareerLink can request to have a presence on campus, where they can explain to interested students the kinds of careers they have available within the community.

Career Services also helps students “dress for success” through regular “Suit-Up” events at JCPenney in Oakland Mall. Students, alumni and family guests can shop the store after-hours and purchase discounted professional attire, preparing them for interviews and future employment.

By far, Career Services’ largest undertaking is their annual Spring Job Fair, co-sponsored with the City of Warren. Held in the Sports & Expo Center, this massive event is home to more than 250 employers. It’s open to the entire tri-county community, attracting more than 1,400 job seekers. Students and alumni who are interested in brushing up on their resume and interview skills can attend a workshop in advance to ensure they stand out among their competition. “It’s like a job fair boot camp,” said Justine Gregory, Career Services coordinator.

These efforts produce excellent results, both for local businesses and the community. One employer filled six openings within their company, most of whom were Macomb students. “I feel like that’s a return on investment, if I’m an employer paying $100,” added Goss. The 2020 annual Spring Job Fair will be held on Wednesday, April 22, 2020.
Encouraging youth to consider STEM careers

Thousands of middle and high school students who have participated in one of the free programs offered by Macomb’s Center for Advanced Automotive Technology (CAAT) each year already know how inspiring they can be. Now, those efforts have been recognized at the national level.

CAAT has received one of the 2019 Inspiring Programs in STEM Awards from INSIGHT into Diversity magazine, a publication that promotes inclusion efforts in higher education and the workplace. Each year, Insight recognizes efforts made by organizations to encourage underrepresented populations to consider careers in science, technology, engineering and mathematics (STEM).

CAAT’s efforts during the past year have included conducting hands-on STEM and career exploration labs in middle school classrooms, holding on-campus STEAM (the “A” is for Art) camps for middle school students in the summer and hosting Girl Scouts’ Engineering Days.

CAAT’s largest annual event is Auto STEAM Days in December, to which approximately 3,000 middle and high school students are bussed by their school districts to South Campus on one of two days. Held inside Macomb’s Sports & Expo Center, students spend a half day exploring careers in automotive design, robotics, manufacturing and technology through displays, expert speakers and a variety of interactive experiences, including those in digital sketching, clay modeling and “virtual” welding. An evening event on one of the two days (see related story) takes a deeper dive into STEM career opportunities.

“CAAT is dedicated to making sure that our region’s automotive industry has the education, training and talent to support its continued leadership in the global marketplace,” said Don Hutchison, dean, Engineering and Advanced Technology. “Exposing young people from all walks of life to the opportunities in STEM careers is key to building a diverse, future workforce that continues to spur innovation.”

In receiving the STEM award, CAAT is in the company of 49 other organizations across the country, including IBM and Harvard, Ohio State and Purdue universities. The only other Michigan institution among this year’s honorees is Michigan State University.

Dec. 5 event introduces students and parents to today’s top jobs

Auto STEAM Days also features an evening experience for students and their parents through Explore Careers in Manufacturing and Technology, which provides helpful insight into the types of skills currently in high demand by employers.

This year, “Trade Talks” by recent Macomb graduates and local employers will provide insight on the changes in and future of modern manufacturing, how to get into an apprenticeship, and career options and opportunities. Refreshments will be provided, and students can enter to win a free laptop.

Explore Careers in Manufacturing and Technology will be held on Thursday, Dec. 5, 5:30 to 8 p.m., in the Sports & Expo Center on Macomb’s South Campus.
Register at www.macomb.edu/MFGevening or call Ashley Schloss at 586.445.7117 for further information.

Inspiring middle school students with STEAM summer camp

Macomb’s Center for Advanced Automotive Technology (CAAT) will again engage middle school students in the wonders of Science, Technology, Engineering, Art, Math and Manufacturing (STEAM) during a weeklong summer camp next July at South Campus. This past summer, contributions from General Motors and Bosch supported the camps, with General Motors already committed to funding for Summer 2020. Interactive learning projects will include:
- Conducting scientific experiments
- Building and launching a rocket
- Building a robot car with Legos
- Designing a room using computer software
- Using coding to create a keychain
- Touring a bio-technology company

CAAT will work with local school districts to bring middle school students to the summer camp, the dates for which have not yet been set.
Bringing literature — and now science — to life is one of the goals of the Page to Stage series held at the Macomb Center for the Performing Arts. Beloved characters like Mowgli from *The Jungle Book*, Brother and Sister Bear from *The Berenstain Bears*, and Juliet Capulet and Romeo Montague from *Romeo and Juliet* jump from the storybook to the stage entertaining and deepening the love of learning.

The Macomb Center began its Page to Stage presentations in 2009 featuring nationally known theater groups. Productions typically appeal to preschool and elementary-age children. A popular outing for parents and grandparents to introduce their young ones to live theater, Page to Stage also schedules its performances to accommodate school field trips. More than 6,600 area schoolchildren attended performances last year, with the Macomb Center providing teachers with study guides to facilitate discussions.

“Often, the attendance at one of these performances is the first time the children are seeing a live performance,” said William Wood, Macomb’s director of cultural affairs and community engagement. “We are delighted to open their world to the theater arts. The productions are part of the college’s commitment to provide enrichment experiences to all ages.”

Additionally, the Page to Stage productions promote critical thinking, concentration, understanding and social interaction. Studies have shown that along with the obvious entertainment aspect, attendance at a culturally enriching field trip enhances students’ knowledge of the plot and vocabulary, broadens their understanding of a diverse world and increases their ability to read others’ emotions.

Erin Miller, who has brought her kindergarten classes from Pinewood Elementary in Warren Woods Public Schools to numerous Page to Stage programs, appreciates that the Macomb Center provides programming for “our youngest learners.”

“The performances spark a child’s interest in the performing arts,” said Miller. “Seeing a live performance that is all about a book simulates a love of learning and a love of reading. They provide a deeper level of the book.”

David Schroeder, education and outreach coordinator for the Macomb Center and Lorenzo Cultural Center, visits classrooms prior to their attendance at a Page to Stage production to discuss theater etiquette. With young children he explains that watching a play is not like watching TV.

“I tell them that a live performance can’t be ‘paused’ like a TV, and that if they are disruptive it will distract the actors,” explained Schroeder. “I let them know that it’s okay to make noise, but only when it’s appropriate.”

This year, the Page to Stage productions include *Doktor Kaboom*, which introduces science to the programming. A complete list of the productions and show times is available at www.macombcenter.com or by calling 586.286.2222.

Left: Actors from the Dallas Children’s Theatre will perform *Miss Nelson Has a Field Day* at the Macomb Center on Nov. 17 and 18. The presentation is part of the Page to Stage series that brings literature to life.
February 25—May 2, 2020

**Exhibit Hours:**
- Wednesday, 10am–8pm
- Tuesday 10am–4pm
- Thursday–Saturday, 10am–4pm

Have you ever wondered how the game Monopoly got started? Or when the first Barbie was made? Was your favorite childhood toy a popular sensation? Are you aware there is a link between gaming and cognitive skills? Designed to be both a walk down memory lane and a critical look at how toys and games influence our culture and society, this exhibit features displays, artifacts, information and ideas that give a nod to our past and a look to the future.

All events are free and open to the public, but preregistration is required. Visit www.LorenzoCulturalCenter.com and register online today!

**Presentations**

**Thursday, February 27 • 11am**
**Backgammon: A Brief History and How to Play**
Learn the basics of backgammon rules and setup, as well as strategies for winning, from avid collector and historian Maurice Barie. As author of Backgammon as Played in Hollywood, Barie is sure to provide insights and backgammon backstories!

**Saturday, February 29 • 11am (registration begins at 10:30am)**
**Introduction to Magic: The Gathering**
Join us for this interactive event with Eternal Games who will guide beginners through the rules and process of playing this popular card game. Known as Magic: The Gathering, the game is played by over 20 million people worldwide. Participants will receive a starter pack with onsite registration through Eternal Games, but preregistration for the event is still required.

**Thursday, March 5 • 11am**
**The Immortal Game**
Chess is the most enduring and universal game in history. Here, bestselling author David Shenk chronicles its intriguing saga, from ancient Persia to medieval Europe to the dens of Benjamin Franklin and Norman Schwarzkopf. Along the way, he examines a single legendary game that took place in London in 1851 between two masters of the time, and relays his own attempts to become as skilled as his Polish ancestor Samuel Rosenthal, a 19th century champion.

**Saturday, March 7 • 12–3pm**
**Play Day with the Ann Arbor Hands-on Museum**
Children and their families will enjoy this engaging event with interactive activities that blend learning and play.
AN EMERALD ISLE CHRISTMAS  
December 14  
Founder and Artistic Director Randall Wrisinger  
MACOMB BALLET COMPANY  
holiday classics, as well as a few new twists.  
Join the 150-voice men's chorus for their annual holiday concert featuring some of the most beloved holiday music.  
MACOMB CHILDREN'S CHORUS—WINTER CONCERT  
December 2  
MACOMB SYMPHONY ORCHESTRA  
Holiday Flicks with Professor Gregory Sumner  
MACOMB COMMUNITY COLLEGE JAZZ BAND  
PRISM MEN'S Chorus presents  
A HOLIDAY EXTRAVAGANZA  
Founder and Artistic Director Randall Wrisinger  
Join the 150-voice men's chorus for their annual holiday concert featuring some of the most beloved holiday classics, as well as a few new twists.  
MACOMB BALLET COMPANY presents  
The Nutcracker  
December 20 • 7pm | December 21 • 2pm & 7pm  
December 22 • 12pm & 5pm  
Come celebrate the season with a holiday favorite!
Wright, Buckminster Fuller and Charles Eames, and inspired the modern art movement through the Bauhaus. But today we’ve moved away from creative, child-centered education at precisely the time when a new economic cycle has begun again. Material from Bultman’s upcoming documentary series *Garden of Children* will be included in the presentation.

Friday, March 20 • 11am
**Families at Play:**
**How Video Games Bring People Together**
Video games have a bad reputation in the mainstream media. They are blamed for encouraging social isolation, promoting violence, and creating tensions between parents and children. Sinem Siyahhan from California State University San Maros will discuss the motivation for writing her book, *Families at Play,* and will offer key takeaways from her research with families and video games. She will highlight stereotypes and misconceptions around video games, and how video games connect generations.

Saturday, March 21 • 11am
**Yo-yo Tricks**
The iconic toy known as the yo-yo has been around since the time of the ancient Greeks, but still entertains and fascinates both children and adults today. Having documented and perfected hundreds of tricks, the founders of Vovotricks.com will give an overview and demonstration of yo-yo tricks, from popular to complex.

Bring your yo-yo (or purchase one when you get here) and join in the fun!

Saturday, March 21 • 2pm
**The Monopolists: Obsession, Fury and Scandal Behind the World’s Favorite Board Game**
Most think it was invented by an unemployed Pennsylvanian who sold his game to Parker Brothers during the Great Depression in 1935 and lived happily—and richly—ever after. That story, however, is not exactly true. Ralph Anspach, a professor fighting to sell his Anti-Monopoly board game decades later, unearthed the real story, which traces back to Abraham Lincoln, the Quakers, and a forgotten feminist named Lizzie Magie who invented her nearly identical Landlord’s Game more than thirty years before Parker Brothers sold their version of Monopoly. Hear the history of the world’s most famous board game from Mary Pilon, author of *The Monopolists.*

Wednesday, March 25 • 11am
**Playing with History:**
Songs and Creative Movement for Children With few resources to make toys, Native American and French colonial children had to find other ways to play. Interactive stories, songs and creative movement were a large part of their playtime. Join historian, performer and teacher Genot Picor as he explores and demonstrates the ways early American children made their own fun.

Friday, March 27 • 11am
**Toying with Science**
Tim Walsh, game designer, filmmaker and author, joins us for this fun and very demonstrative lecture which looks at the science behind our favorite playthings. It marries science with the world of toys in a playful and engaging way. Kids will learn the science behind some of their favorite toys including:
- Chemistry that makes Crayola crayons waxy, Play-Doh mushy, Silly Putty stretchy, Super Balls bouncy, Lionel train, smoky and Nerf ball spongy
- How Gravity makes Jenga, Kerplunk and Slinky work
- The Biology of Ant Farms, Sea Monkeys, and Magic Rocks
- Electricity of Lionel trains, the game of Operation and more
- Static Electricity of Etch A Sketch and Colorforms
- How Friction makes Super Ball spin and LEGO block stay together
- How Air Flow affects a Frisbee, a Wiffle Ball and makes Super Soakers work
- Centrifugal Force of Tops, Yo-Yos and Hula Hoops
- Depth of Vision principle behind View-Master and stereography
Saturday, March 28 • 2pm

**Seize the Play: How Play Powers Performance**

For many in our society, play is frivolous at best, and at worst, counterproductive. Western culture values work, and casts a disdainful parental glare at play. Yet in this entertaining and engaging talk, author, toy designer and filmmaker Tim Walsh will show you that play is not a four-letter word, but a multifaceted human drive that engages and powers performance in ways you never thought possible. From problem-solving to selling, from engagement to intrinsic motivation, if you want solutions that are practical yet powerful, then Seize the Play!

Wednesday, April 1 • 6pm

**Toy Story 2**

The second installment in the franchise, *Toy Story 2* tells the tale of Woody’s kidnapping, his friends’ efforts to get him back, and the new pals he meets along the way. Join us for a showing of this delightful animated Pixar film. (1 hour 35 minutes)

Saturday, April 4 • 11am – 3pm

**Cube Day Macomb**

The phenomenon of Rubik’s Cube has had staying power in the toy industry and has drawn people of all ages to try to solve the puzzles that now come in many sizes and shapes. This event is a competition presented in partnership with the World Cube Association and CubingUSA, and will feature up to 100 competitors in multiple events. Those interested in competing may register through the World Cube Association website (worldcubeassociation.org).

Wednesday, April 15 • 1pm

**Dressing Barbie: A Celebration of the Clothes that Made America’s Favorite Doll and the Woman Behind Them**

After 40 years of designing clothing for Barbie dolls, Carol Spencer wrote a book about her experiences, and about the rise of the Barbie doll, one of America’s most iconic dolls. Carol is considered “Barbie royalty” and will join us to give her unique insight into the history of all things Barbie.

Thursday, April 16 • 11am

**Back to the Future: Toy Design from Then to Now**

Step into a time machine for a fast-paced journey through more than 150 years of evolution in toy design with curator Chris Bensch of The Strong Museum. Using The Strong’s exceptional collection of toys, dolls, and games, and its unique library of resources, this highly visual presentation showcases a multitude of examples and sources of inspiration over the decades to trace the origins of today’s top trends in the world of play.

Thursday, April 16 • 1pm

**9 Wonder Women of Toys**

In toys and games, as with so many fields of endeavor, women’s significant accomplishments have often been overlooked by history. This presentation, with curator Chris Bensch of The Strong Museum, introduces audiences to some of the fascinating female inventors and entrepreneurs behind products such as Candyland, Slinky, Barbie, and Jenga. From adopting new materials for toys to crafting fresh spins on classic games, these nine women have helped change the world of play for all of us.
Friday, April 17 • 11am
**The Face on the Lunch Box:**
**100 Years of Character Products**
Mickey Mouse watches, Batman pajamas, Little Mermaid lunch boxes, and Sesame Street toys fill children's bedrooms. Adults proudly wear Looney Tunes T-shirts, eat Cocoa Pebbles cereal, furnish bathrooms with Snoopy shower curtains, and answer calls on Garfield telephones. As this lecture demonstrates, the pattern of using make-believe characters to sell products and services is not new. It's been a part of American commerce for more than a hundred years. Discover some of the surprising ways that character products have invaded our homes, infiltrated our lives, and become one of the dominant forms of merchandise. Presented by Chris Bensch of The Strong Museum.

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Friday, April 17 • 1pm
**Plastics and Progress: Baby Boom Toys**
Toys always reflect their historical context and, as in every other era, the playthings of the 1950s and 60s mirror the attitudes and activities that surrounded them. The growth of suburbia, the rise of TV, and the pervasive worries about nuclear war all influenced the toys we remember—such as Davy Crockett coonskin hats, Barbie houses, and Howdy Doody puppets. Step back into the not-too-distant past with The Strong Museum's curator Chris Bensch, and discover some surprising connections in the toys, games, and dolls that Baby Boomers cherished.

Saturday, April 18 • 12 - 3pm
**Play Day with the Ann Arbor Hands on Museum**
Children and families will enjoy this fun event with interactive activities that blend learning and play. Presented by the Ann Arbor Hands On Museum, this event provides children opportunities to do multiple activities that focus on the fun of learning.

Thursday, April 23 • 11am
**What Makes a Toy and Why is it Important?**
As long as there have been children, there have been toys, but what is a toy and why is it important for learning? We will consider what makes a toy one that promotes learning, creativity, and most importantly, fun! Early childhood education expert Kate Cole will join us in this discussion.

Wednesday, April 29 • 6pm
**Toy Story 3**
The third in the Toy Story series, this film tells the tale of Woody, Buzz and the gang as their beloved owner Andy heads off to college and they get donated to a daycare center. After the kids there don't play so nice, the gang makes plans to escapet (1 hour, 48 minutes)

Thursday, April 30 • 11am
**Pioneer Playtime**
Michigan's earliest pioneers faced a myriad of challenges. But children, and even their parents, found time to roll a hoop, drop a handkerchief or pull a gander's head. MSU History Professor Roger Rosentreter dives into the early toys and games that were used by our ancestors, and shows how they were a product of the climate of that time period.
MUSIC

THE MACOMBERS—FALL EXTRAVAGANZA
November 22 • 7:30pm
Enjoy an evening of singing, dancing and fabulous music from the talented cast members of The Macombers—Macomb’s goodwill ambassadors!

WARREN SYMPHONY ORCHESTRA
November 24 • 3pm
Through the Eyes of Dvořák: The New World Symphony
Conductor, Gina Provenzano

LIRA ENSEMBLE—A POLISH CELEBRATION
November 30 • 7:30pm
A fantastic musical celebration featuring carols, spirited Polish folk songs and dances in colorful regional costumes.

DETOUR SYMPHONY ORCHESTRA
January 10 • 8pm
William Davidson Neighborhood Concert Series

WE SHALL OVERCOME—A CELEBRATION OF DR. MARTIN LUTHER KING JR.
February 13 • 7:30pm
This production ties together a living lineage of music and culture, including music by Paul Simon, Marvin Gaye, and Aretha Franklin to name a few.

THE GREATEST LOVE OF ALL: A TRIBUTE TO WHITNEY HOUSTON STARRING BELINDA DAVIDS
February 20 • 7:30pm
Accompanied by a live band, backing vocalists and choreographed dancers, Belinda Davids will amaze you with her breathtaking vocals in this beautifully crafted tribute!

THE TAP PACK
February 21 • 7:30pm
An elegant and entertaining nod to the Rat Pack era, featuring high-energy performances of mind-blowing tap dancing, smooth vocals, a swinging live jazz band and witty on-stage banter.

WARREN SYMPHONY ORCHESTRA
February 23 • 3pm
A Divine Genius: Mozart
Conductor, Gina Provenzano

AN EVENING WITH MICHAEL W. SMITH
March 6 • 7:30pm
Join us as multi-platinum Christian artist, Michael W. Smith, takes center stage at the Macomb Center.

I AM HE SAID—CELEBRATING THE MUSIC OF NEIL DIAMOND
March 19 • 7:30pm
If you are a Neil Diamond fan, this is a must-see!

DETROIT SYMPHONY ORCHESTRA
March 20 • 8pm
William Davidson Neighborhood Concert Series

A CAPPELLA LIVE!
March 22 • 4pm
Join creative director Deke Sharon, producer of The Sing-Off and arranger and musical director for the Pitch Perfect movies, for a powerhouse lineup you must experience live! This show presents four a cappella giants: 2007 American Idol alum Blake Lewis; 2010 winners of The Sing-Off, Committed; The Filharmonic, most notably seen in Pitch Perfect 2; and Women of the World. Don’t miss this “acca-perfect” performance!

PRISM MEN’S CHORUS: LET’S GO TO THE MOVIES!
May 29 • 8pm
From Broadway to Hollywood, the chorus of 150 men will transport the audience from the Golden Era to today. Featuring songs from Titanic, The Bodyguard, Willy Wonka & The Chocolate Factory and more!
BECOME A CERTIFIED NURSING ASSISTANT

Workforce & Continuing Education

SCHEDULE OF CLASSES

JANUARY–APRIL 2020

Registration begins Friday, November 15, 2019, 8AM

TRAIN FOR A HIGH-DEMAND CAREER

WCE SCHEDULE CONTENTS

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   Automotive
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      Professional
      Project Management

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   Workplace Computing Certificate

20 Advanced Excel Workshops

Construction
   Home Inspection

Court Reporting

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   Beekeeping
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   Finance

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   Basic Game Design Certificate
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   Nursing Assistant
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Ready to Advance Personally or Professionally?

We’ve created these courses to help you develop in your career, learn a new skill or explore a personal interest. With classes conveniently scheduled and taught by experts in the field, there are many options to fit your needs.

Visit us online today: www.macomb.edu/continuededucation

Workforce & Continuing Education Registration begins Friday, November 15 at 8AM

2 easy ways to register for classes!

1. REGISTER ONLINE: Visit www.macomb.edu. Click on Apply at the top of the page.
New students—click on the TEAL New Continuing Education Students box. Click on Register Here button. Click Search and Register for Continuing Education Classes. Key in 5-digit registration code or course code (e.g., WKSP-8000).
Returning students—click on the TEAL Current & Returning Continuing Education Students box. Log in with your My Macomb credentials.

2. WALK-IN REGISTRATION: Visit the Records & Registration Office:
South Campus G Building, Room 224
Center Campus G Building, Room 110.
Monday & Tuesday: 8AM–6PM
Wednesday–Friday: 8AM–4:30PM
Campuses closed: January 20, April 10, April 12
Please check www.macomb.edu for updated holiday and school closing information.

For questions about registration, call 586.445.7999

CAREER WORKSHOPS

Sign up for one of the workshops listed below and get started on a new career or business strategy. Learn about the opportunities that await with Workforce and Continuing Education!

Career Workshop: Health WKSP-8000
An interactive workshop that explores various health careers. This workshop is mandatory for those interested in the Nursing Assistant, Certified Professional Coders, Certified Medical Reimbursement Specialist, and Pharmaceutical Technician Program. (2 Contact Hours)

Career Workshop: Construction WKSP-8007
An interactive workshop to explore a career in construction. (1 Contact Hour)

Career Workshop: Floral Design WKSP-8008
An interactive workshop to explore a career in floral design. Have your questions about the program answered. (1 Contact Hour)

Career Workshop: Landscape Design WKSP-8010
An interactive workshop to explore a career in landscape design. (1 Contact Hour)

Career Workshop: Photography WKSP-8011
An interactive workshop to explore a career in photography. (1 Contact Hour)

Court Reporting WKSP-8012
This two-hour Open House offers the perfect opportunity for potential Court Reporting students to decide if pursuing an education for a career in court reporting is the right choice for them. (2 Contact Hours)

Career Workshop: Veterinary Assistant WKSP-8025
An interactive workshop that explores the career of the Veterinary Assistant. This two hour seminar offers the perfect opportunity for potential Veterinary Assistant students to decide if pursuing an education for a career working with animals is the right choice for them. This workshop is mandatory for those interested in the Veterinary Assistant Program. (2 Contact Hours)

Drawing What You See ARTS-8039
This class is based on elements from the book “Drawing from the Right Side of the Brain” and “The Artist Way.” Examines your intuitive creative hand-eye coordination while creating art. Students will draw what they see and develop a portfolio of their work. (18 Contact Hours)

Discover the Experiment of Painting in acrylics & Oils ARTS-8050
Discover the excitement of painting in acrylics & oils! Students will learn the fundamental principles and techniques needed to create works of art that appear real. Use a step-by-step method, and working from everyday objects, students will explore color and develop skills required for success. Art supply list: https://www.macomb.edu/community/personal-interests/CE-supply-lists.html (24 Contact Hours)

Small Engine Repair AUTO-8034
This course offers students exposure to the various pieces of shop equipment/tools and details of small engine repair. It will focus on the servicing and repairing of two- and four-cycle engines. The class will service and repair mechanical, ignition, electrical, fuel, cooling, and starting systems. Dissassembly, inspection for wear, assembly, and proper serviceability techniques using appropriate materials and proper check procedures for service/repair are stressed. (30 Contact Hours)

Career Workshop: Personal Fitness Trainer WKSP-8006
Become a superior customer service representative. Examine customer interaction and the traits of top organizations. Explore ways to add value to every transaction along with the best practices used to create loyal, life-long customers. Text required. (12 Contact Hours)

Overview of Administrative Assistant Profession BSNS-8020
Organizations now recognize that administrative assistants perform a key role in any industry. Explore the administrative assistant profession and potential career opportunities in this growing field. Learn the steps to prepare for entry into this profession. (2 Contact Hours)

Professionalism for the Administrative Assistant BSNS-8005
Discover the nine critical skills needed to become a successful administrative assistant. Explore workplace teams and effective team behaviors and the components of professionalism. Learn how to arrange effective meetings, travel, and much more. Text required. (12 Contact Hours)

Communication for Administrative Assistants BSNS-8007
Through interactive sessions, learn how to develop effective internal and external communication. Learn to easily interact at business meetings or with customers. Text required. (12 Contact Hours)

Bookkeeping for the Administrative Assistant BSNS-8009
Learn accounting terminology and the purpose of financial statements. Explore original entry books and the general ledger. Discover how bookkeeping is a communication tool to users of the data. Text required. (9 Contact Hours)

Organizing Skills BSNS-8008A
Learn to be efficient and effective in the workplace. Includes time management, paper and electronic record keeping, timely follow-through, and maintenance of a clutter-free environment. Discover the correlation between work habits and productivity. Text required. (12 Contact Hours)

Customer Service BSNS-8006
Become a superior customer service representative. Examine customer interaction and the traits of top organizations. Explore ways to add value to every transaction along with the best practices used to create loyal, life-long customers. Text required. (12 Contact Hours)

Automotive Technology MTEC-9490
This course is an introduction to technology and business applications used in the automotive business. (90 Contact Hours)

AUTOMOTIVE

ADMINISTRATIVE ASSISTANT PROFESSIONAL

Skilled and professional administrative assistants are invaluable members of an organization. Learn how to gain a business edge with an online efficient office, improved communication skills, and stellar customer service. Use interactive exercises to practice new skills in a fun, high-energy environment. Earn the Administrative Assistant Professional Certificate by completing the recommended courses, BSNS-8020, and the following required courses: BSNS-8005, BSNS-8006, BSNS-8008, BSNS-8009, and BSNS-8016. Students may also earn the Administrative Assistant Professional with Workplace Computing Skills Certificate by taking the required classes listed above along with CSFT-8080, CSFT-8081, CSFT-8082, and CSFT-8083. For information, contact the program coordinator at 586.498.4121 or macomb.edu/continuededucation.

Small Engine Repair AUTO-8034
This course offers students exposure to the various pieces of shop equipment/tools and details of small engine repair. It will focus on the servicing and repairing of two- and four-cycle engines. The class will service and repair mechanical, ignition, electrical, fuel, cooling, and starting systems. Dissassembly, inspection for wear, assembly, and proper serviceability techniques using appropriate materials and proper check procedures for service/repair are stressed. (30 Contact Hours)

Watercolor Painting ARTS-8004
Explore basic watercolor techniques as you develop a style of your own. No experience required. Supplies needed; supply list given at first session and is also available at https://www.macomb.edu/community/personal-interests/CE-supply-lists.html (24 Contact Hours)

ART

For information, contact the program coordinator at 586.498.4121 or macomb.edu/continuededucation.

For information, contact the program coordinator at 586.498.4121 or macomb.edu/continuededucation.
DIGITAL MARKETING CERTIFICATE

The following classes are designed to help entrepreneurs and business people market their business using social media. Complete all required classes, ENTR-8054A, ENTR-8054B, ENTR-8054C, ENTR-8055, ENTR-8055A, and ENTR-8055B to earn a Certificate in Workforce & Continuing Education Certificate in Digital Marketing.

For information, contact the program coordinator at 586.498.4121 or continuinged@macomb.edu.

Social Media 101 ENTR-8058A
What is social media? Discover why you should use social media to build your personal brand, your business, or to connect with customers. Explore social media tools in this overview class. (3 Contact Hours)
74771 TTh 1/11/20-1/22/20 6:00 PM-8:55 PM $545 CTR A207 Larvadain, C.

Digital Marketing for Business ENTR-8054
Basic computer skills required. Discover how your competition is already ahead of you in search engine results. Explore other social media strategies and tools to help achieve top rankings in search engines and to create your content audience wants. (9 Contact Hours)
74765 TTh 1/17/20-1/16/20 6:00 PM-8:55 PM $599 CTR A207 Larvadain, C.

LinkedIn for Business ENTR-8054B
Basic computer skills required. How to create, edit, tweak, and promote a Twitter account. Using Twitter tools (including 3rd party development), build and manage business campaigns online. Also suited to people simply interested in knowing more about social networking. (9 Contact Hours)
74764 TTh 1/21/20-2/26/20 6:00 PM-8:55 PM $599 CTR A207 Larvadain, C.

Facebook for Business ENTR-8054C
Basic computer skills required. How to create, edit, tweak, and promote a Twitter account in this hands-on course. Explore various Twitter tools to build and manage business campaigns online using teamwork and individual use of internet-enabled PCs. (9 Contact Hours)
74767 TTh 3/3/20-3/10/20 6:00 PM-8:55 PM $599 CTR A207 Larvadain, C.

Search Engine Optimization ENTR-8060
Basic computer skills required. Learn how search engine optimization (SEO) will help draw traffic to your website from listings on search engines. Explore other social media tools and SEO strategies to help achieve top rankings. (6 Contact Hours)
74769 TTh 3/24/20-3/30/20 6:00 PM-8:55 PM $575 CTR A207 Larvadain, C.

Pay-Per-Performance Marketing ENTR-8061
Basic computer skills required. Explore performance-based marketing which includes Pay-Per-Click, Pay-Per-Impression, Pay-Per-Call—all types of sponsored online advertising used on websites and search engines. Learn how to advertise on desktop, mobile, and tablet devices and create an advertising campaign to increase brand awareness, generate sales leads, and advertise to target audiences. (6 Contact Hours)
74770 TTh 3/31/20-4/2/20 6:00 PM-8:55 PM $575 CTR A207 Larvadain, C.

Digital Marketing for Business ENTR-8055
Basic computer skills required. Discover how your competition is already ahead of you in search engine results. Explore other social media strategies and tools to help achieve top rankings in search engines and to create your content audience wants. (9 Contact Hours)
74766 TTh 2/20/20-2/27/20 6:00 PM-8:55 PM $599 CTR A207 Larvadain, C.

LinkedIn for Business ENTR-8055A
Learn to structure an engaging LinkedIn profile to network with other business professionals. Make the best use of LinkedIn groups to raise awareness of your business and reach a targeted audience. (9 Contact Hours)
74768 TTh 2/20/20-2/27/20 6:00 PM-8:55 PM $599 CTR A207 Larvadain, C.

Twitter for Business ENTR-8057
Basic computer skills required. Learn how to create, edit, tweak, and promote a Twitter account in this hands-on course. Explore various Twitter tools to build and manage business campaigns online using teamwork and individual use of internet-enabled PCs. (9 Contact Hours)
74767 TTh 3/3/20-3/10/20 6:00 PM-8:55 PM $599 CTR A207 Larvadain, C.

Search Engine Optimization ENTR-8060
Basic computer skills required. Learn how search engine optimization (SEO) will help draw traffic to your website from listings on search engines. Explore other social media tools and SEO strategies to help achieve top rankings. (6 Contact Hours)
74769 TTh 3/24/20-3/30/20 6:00 PM-8:55 PM $575 CTR A207 Larvadain, C.

Pay-Per-Performance Marketing ENTR-8061
Basic computer skills required. Explore performance-based marketing which includes Pay-Per-Click, Pay-Per-Impression, Pay-Per-Call—all types of sponsored online advertising used on websites and search engines. Learn how to advertise on desktop, mobile, and tablet devices and create an advertising campaign to increase brand awareness, generate sales leads, and advertise to target audiences. (6 Contact Hours)
74770 TTh 3/31/20-4/2/20 6:00 PM-8:55 PM $575 CTR A207 Larvadain, C.

C4K: COLLEGE FOR KIDS
Macomb Community College’s C4K: College for Kids provides educational opportunities and a ‘college campus connection’ for students ages 3 to 17. Through fun activities and enriching, memorable experiences, students learn and succeed through personal achievement. Partial scholarship opportunities may be available. Email C4K@macomb.edu for application or visit www.macomb.edu/search/c4k scholarships.

Pullback Car Engineering, Ages 7-10 KIDS-8188B
GENIUS Pullback Car Engineering is a popular STEAM (Science, Technology, Engineering, Art, Math) class that helps students develop their problem solving skills and creativity. Students build motorized pullback cars and learn concepts geared to their specific grade level. Students follow a design booklet for each vehicle and then develop technology by creating their own pullback vehicle using GENIUS pullback car kits. Over the course of the class, students participate in a variety of fun activities, experiments, challenges, and races designed to demonstrate science and engineering concepts. GENIUS kits are made of quality bricks that are comparable to and fully compatible with other major brands like LEGO. New builds every time! (10 Contact Hours)
79835 Sa 1/18/20-2/15/20 12:00 PM-1:55 PM $173 CTR H214 Staff

GENIUS LEGO Engineering, Ages 6-9 KIDS-8251A
Enter the exciting universe of LEGO learning! Students journey into the field of engineering using our special LEGO Education kits. This is a fun way for students to discover the world of engineering while combining fun and active learning. Students enjoy hands-on learning as the engaging LEGO building projects take them on an exploration of STEAM (Science Technology Engineering Art Math) concepts in the area of LEGO engineering. Students will learn through guided exploration into new concepts, and they will be challenged to develop their imagination and creative ideas into working designs. Students learn a variety of LEGO engineering skills as they work with wheels and axles, gears, levers and pulleys and much more while learning to be a part of a team as they work together on their projects. New builds every time! (10 Contact Hours)
79830 Sa 1/18/20-2/15/20 9:30 AM-11:25 AM $173 CTR H214 Staff

Tiny Tunes Piano Pre-School Beginner, Ages 3-4 KIDS-9204
Designed specifically for preschoolers. This is a BIG FUN, delightful simple piano program. Lessons include everything needed to help jump start your child’s musical education. By the end of the course, your child will be able to sing and perform simple songs like Mary had a Little Lamb, Twinkle Twinkle Little Star, and/or Jingle Bells. Music increases attention span, logic, and reasoning skills. Parents must attend. “No class” dates will be announced in class. (6 Contact Hours)
74862 Sa 1/11/20-2/15/20 10:00 AM-10:55 AM $95 CTR L117-5 TINY TUNES PIANO PROGRAM

74863 Sa 1/11/20-2/15/20 10:00 AM-10:55 AM $95 CTR L117-5 TINY TUNES PIANO PROGRAM

Tiny Tunes Piano "Young 5" Beginner, Ages 5-6 KIDS-9205
Designed specifically for children who are just learning how to read and write. Introduce your child to the world of music with all the fundamentals needed to encourage, nurture, and motivate learning and have fun. At course end, your child will be able to sing and play a ton of Tiny Tunes. Children who study music at an early age develop well-rounded skills and scientific components. (6 Contact Hours)
74864 Sa 1/11/20-2/15/20 11:00 AM-11:55 AM $95 CTR L117-5 TINY TUNES PIANO PROGRAM

74865 Sa 3/14/20-4/25/20 11:00 AM-11:55 AM $95 CTR L117-5 TINY TUNES PIANO PROGRAM

CERTIFIED NURSING ASSISTANTS ARE IN GREAT DEMAND!

Start your career now! www.macomb.edu/CNA
CONSTRUCTION

The Builder’s Pre-License program at Macomb Community College is a job skill training program. After successful completion of both Builder’s Pre-Lic Peace Segment I INDT-8022 and Builder’s Pre-License Segment II INDT-8023 courses, students will be prepared to sit for the Michigan State Builder’s License exam. This two-hour Open House offers the perfect opportunity for potential Court Reporting students to decide if pursuing an education for a career in court reporting is the right choice for them. (2 Contact Hours)

Builder’s Pre-License Training Segment I INDT-8022
Segment 1 of the state-managed Builder’s Pre-License training will present business management, estimating, design and building science, contracts, risk management, marketing, and sales. The Segment II course training will present project management, scheduling, and current Michigan Residential and Construction Safety Standards along with management, marketing, and sales. (Contact Hours)

Builder’s Pre-License Training Segment II INDT-8023
Segment 2 of the state-managed Builder’s Pre-License training will present project management, scheduling, and current Michigan Residential and Construction Safety Standards along with management, marketing, and sales. (Contact Hours)

Builders Continuing Competency INDT-8026
This class contains three value-packed hours of instruction for each topic. Law (the new law and what a builder needs to do to stay out of trouble), drawing, estimating, and financial department. Codes (learn the latest updates to the Michigan Residential Code) and Safety (learn about the newest fall protection requirements imposed by MIOSHA). If you hold a builder’s license, this class is required in order for you to renew your Builder’s M & A Contractor’s License. (3 Contact Hours)

HOME INSPECTION

Home Inspection INDT-8025A
Learn how to set up a home inspection business. Follow the home inspection process and discover how to identify common problems, tool requirements, how to market, and what you’ll need to get started. Use of drop-in and in-role exercises will be discussed along with a home check-off sheet to list problems in your survey to present to your customer. (24 Contact Hours)

COURT REPORTING

Macomb Community College’s Court Reporting program is approved by the Michigan Department of Education as a prerequisite for the Certified Shorthand Reporting Examination and is taught by State Certified Court Reporters. Required courses include: CRTR-8000, CRTR-8016, CRTR-8022, CRTR-8007, CRTR-8014, CRTR-8023, CRTR-8009B, CRTR-8011, and CRTR-8008A. A minimum 40-hour internship is required to complete the program. Course Reporters must be certified through state and national exams. For information, contact the program coordinator, Elizabeth Bosilkovski, at Bosilkovski@macomb.edu or 586.489.4121.

Court Reporting Open House WKSP-8020C
This two-hour Open House offers the perfect opportunity for potential Court Reporting students to decide if pursuing an education for a career in court reporting is the right choice for them. (Contact Hours)

Court Reporting Theory 1 CRTR-8000
Develop techniques of a conflict-free writing style and begin building an extensive dictionary. (97.5 Contact Hours)

Court Reporting Theory 2 CRTR-8001
Continue to develop your skills in machine shorthand theory and real-time principles; learn more advanced principles of theory and conflict-free writing. (97.5 Contact Hours)

Court Reporting Theory 3 CRTR-8022
Writing techniques are applied while student begins process of speed building. Tests in literary, jury charge, and Q & A must be passed with 95% accuracy at speeds of 60, 80, and 100 wpm; CAT software is required. (97.5 Contact Hours)

MEDICAL TERMINOLOGY

Medical Terminology for Court Reporters CRTR-8011C
Students prepare for medical transcription by learning medical terms, body systems, anatomy, disease processes, methods of researching medical information, and much more. (37.5 Contact Hours)

ADVANCED EXCEL WORKSHOPS

ADVANCED EXCEL WORKSHOPS

Mastering Excel Pivot Tables CSFT-8077A
Beginner to intermediate level MS Excel program knowledge and proficiency required. Pivot tables are one of the hidden Excel gems that intimidate most users. It is a surprisingly easy way to quickly summarize and analyze large amounts of data organized in rows and columns. Mastering this tool will help you stand out from approximately 85% of all other Excel users. Overcome your fears and become the de-facto Excel guru in your office! During this workshop, you will solve data analysis problems from ModelOff! (World Financial Modeling competition). (6 Contact Hours)

Excel Functions and Formulas CSFT-8077A
Must have intermediate to advanced level Excel proficiency (Excel 2016 or later). Use Dr. Excel driven. Apply advanced analytical concepts using formulas and functions. Topics covered include: logical operators, VLOOKUP function, manipulation of large data tables, statistical functions; Goal Seek Tool, and many others. No text required. Handouts will be provided. (6 Contact Hours)

Court Reporting Theory 1 CRTR-8000
Begin the process of speed building and the introduction of legal, medical, and technical dictation. Speed levels are 120-150 wpm, and literary, jury charge, and Q & A tests must be passed with 95% accuracy. (97.5 Contact Hours)

Court Reporting Theory 2 CRTR-8014
Continue the process of speed building. Speed levels are 160-180 wpm, and literary, jury charge, and Q & A tests must be passed with 95% accuracy. (97.5 Contact Hours)

Court Reporting Theory 3 CRTR-8017
Continue the process of speed building. Speed levels are 180-225 wpm, and literary, jury charge, and Q & A tests to be passed with 95% accuracy. Internship required. (97.5 Contact Hours)

Medical Terminology for Court Reporters CRTR-8011C
Students prepare for medical transcription by learning medical terms, body systems, anatomy, disease processes, methods of researching medical information, and much more. (37.5 Contact Hours)

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Court Reporting Theory 2 CRTR-8001
Continue to develop your skills in machine shorthand theory and real-time principles; learn more advanced principles of theory and conflict-free writing. (97.5 Contact Hours)

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Grammar Connection II  ESLL-8003C
Grammar Connection I or equivalent knowledge recommended. Continue your English language improvement journey with Chapters 18-31 in the same text and workbook as Grammar Connection I.
This course is designed for students planning to enroll in college-level courses, adults planning to return to college, or high school students in preparation for college. (40 Contact Hours)
74671  Wed ............ 7/20/20-4/15/20 .... 10:00 AM-11:55 AM .... 5199 .... SOU .... C119 .... Peters, M. 

Conversational Skills - ESLL-815C
Let’s talk. Improve your English language skills in a relaxed atmosphere. This course is for students who want to improve their fluency in English and take their conversational skills to the next level. Learn how to converse in social and business situations, express an opinion, and understand cultural gestures and idiomatic speech. Text and audio CDs required. (40 Contact Hours)
74672  Wed ............ 7/20/20-4/15/20 .... 12:30 PM-2:25 PM .... 5199 .... SOU .... C119 .... Peters, M. 

FINANCE

Introduction to the Stock Market  MNMG-8013
Familiarize yourself with the basics of the stock market. This course includes an introduction to terminology and ratios and will assist you in getting the full benefit from the Stock Market I class. (2.5 Contact Hours)
74717  W ............. 1/8/20-1/20/20 .... 6:30 PM-8:55 PM .... 540 .... SOU .... C123 .... Gue, N. 

Stock Market I  MNMG-8001
Learn to use short-term timing tools including Stochastics, MACD, and RSI, and discover solutions to students’ stock market uncertainties. (17.5 Contact Hours)
74715  W ............. 1/15/20-2/26/20 .... 6:30 PM-8:55 PM .... 5715 .... SOU .... C123 .... Gue, N. 

Stock Market II  MNMG-8011
Discover six techniques to find value and growth for common stocks. Learn how to compute and use intermediate and long-term market timing tools. (17.5 Contact Hours)
74716  W ............. 3/1/20-4/22/20 .... 6:30 PM-8:55 PM .... 5715 .... SOU .... C123 .... Gue, N. 

Passport to Retirement  MNMG-8012
The sooner you become educated about retirement planning, the more prepared you will be to make informed financial decisions and build the wealth you will need. Learn about life planning and retirement planning concepts. 135-page workbook included. (5 Contact Hours)
74688  Th .......... 1/21/20-2/18/20 .... 6:00 PM-8:25 PM .... 575 .... CTR .... N103 .... Mallico, R. 

74689  Th .... 1/28/20-2/26/20 .... 6:00 PM-8:25 PM .... 575 .... SOU .... G234 .... Mallico, R. 

FOREIGN LANGUAGE

Italian I  LANG-8059
Learn to converse and write in Italian. Gain the basic skills needed for travel. Explore culture, cuisine, local restaurants, and markets. Prepare for the Intermediate Italian class. Complete remaining chapters in the text for LANG-8059. Text required. (24 Contact Hours)
74675  W,F,Th .......... 2/12/20-2/28/20 .... 7:00 PM-8:55 PM .... 5715 .... CTR .... N107 .... Agazzi, L. 

Continuing Italian I  LANG-8063
Continue learning, conversing, and writing Italian. Gain the basic skills needed for travel. Explore culture, cuisine, local restaurants, and markets. Prepare for the Intermediate Italian class. Complete remaining chapters in the text for LANG-8059. Text required. (24 Contact Hours)
74676  W,F,Th .......... 2/12/20-2/28/20 .... 7:00 PM-8:55 PM .... 5715 .... CTR .... N107 .... Agazzi, L. 

Intermediate Conversational Italian  LANG-8012A
Students will improve their vocabulary and continue to learn how to converse, read, and write Italian. Practice speaking this beautiful language and become familiar with the culture, cuisine, and music. Text required. (24 Contact Hours)

Spanish II Intermediate  LANG-8062
Learn how to speak, read, and write Spanish at a second intermediate level for use at work, for travel to Spanish-speaking countries, and for mingling with friends and family. We will focus on perfecting the uses of the preterite and the imperfect, reflexive tenses, commands, and direct and indirect object pronouns. Text required. (24 Contact Hours)

Intermediate Japanese  LANG-8024
Learn the Japanese alphabet, including simple conversations. Chinese characters (Kanji) will be explored as well as grammar points such as adjectives, verbs, and adverbs. Further discussion of Japanese culture and way of life will be explored. (16 Contact Hours)
74672  M ............. 2/10/20-3/30/20 .... 6:00 PM-7:55 PM .... 5125 .... CTR .... H208 .... Valtadoros, F. 

GRAPHIC DESIGN

Students will be contacted via email for class start and login procedures.

GRAPHIC DESIGN CERTIFICATE

Introduction to Game Design-VIRTUAL  DSGN-8017
Games are increasingly recognized as a tool that can serve many business purposes beyond entertainment. This course provides a general introduction to what goes into the design and development of both video and analog games, with a particular focus on the use of games outside of consumer entertainment. By completing this course, you can take the first steps into understanding game design and how it can be applied in your field. (16 Contact Hours)
74922  VIR ........... 2/3/20-2/28/20 .... 2:25 PM-4:13 PM .... 5715 .... CTR .... LERN .... Valtadoros, F. 

Advanced Game Design-VIRTUAL  DSGN-8013
Worldwide, video game sales including consoles, online, and mobile games are projected to reach $111 billion dollars by 2022. Mobile games are the fastest growth segment of the market and more and more people play casual games. By 2019, Price Waterhouse predicts social and casual game sales will exceed traditional game sales. In this intermediate introductory course, you will learn the basics of video game design process, learn about the main game genres, and use a game development application to begin your journey of making games. (16 Contact Hours)
74979  VIR ........... 3/2/20-3/27/20 .... 6:00 PM-8:25 PM .... 5125 .... CTR .... LERN .... Valtadoros, F. 

PRESENTATION MEDIA CERTIFICATE

Infographics–VIRTUAL  DSGN-8010
After taking this course in "Infographics," you will be exposed to a powerful, concise way to present information. You will learn how to create your own infographics. You will also learn about Data Visualization and discover how to locate infographics websites, and create your own infographics. Become familiar with Data Visualization and discover how to locate infographics websites, as well as grammar points such as adjectives, verbs, and adverbs. Further discussion of Japanese culture and way of life will be explored. (16 Contact Hours)
74922  VIR ........... 2/3/20-2/28/20 .... 2:25 PM-4:13 PM .... 5715 .... CTR .... LERN .... Valtadoros, F. 

Photoshop for Presentations-VIRTUAL  DSGN-8008
Acquire the skills to navigate an extensive list of Photoshop features. You will gain both a foundational and advanced understanding of popular software and practice the most commonly used methods such as managing text, working with layers, and saving file properties. You will find out the purpose of each plug-in, editing tool and walk away with the skills to use them. You will even learn what the pros know. VIRTUAL CLASSROOM. Students will be contacted via email for class start and processes. Taking all three classes earns a Certificate in Presentation Media. (16 Contact Hours)
74922  VIR ........... 4/20/20-5/20/20 .... 6:00 PM-8:25 PM .... 5125 .... CTR .... LERN .... Valtadoros, F. 

Graphic Design for Visual Presentations-VIRTUAL  DSGN-8007
Make your visual presentations look professional and communicate effectively. Get the latest, most advanced techniques on graphic design principles including layout, typography, and basic design considerations. Come away with more skills to create an effective and beautiful visual presentation on any presentation software program that you choose. Virtual Classroom. Students will be contacted via email for class start and processes. Taking all three classes earns a Certificate in Presentation Media. (16 Contact Hours)
74922  VIR ........... 4/20/20-5/20/20 .... 6:00 PM-8:25 PM .... 5125 .... CTR .... LERN .... Valtadoros, F. 

ADVANCED SKILLS IN FLORAL DESIGN
Adobe Illustrator Essentials—VIRTUAL  DSGN-8014
Adobe Illustrator is the industry standard computer illustration software. Use Illustrator to draw shapes and design logos, flyers, posters, banners, business cards or any other vector graphics for print or web. In this course, you will learn Illustrator fundamentals to set up a print document and use various tools to draw, type, and color all kinds of shapes and illustrations. Learn how to efficiently manage layers and artboards, and create print-ready PDF documents. Access to Adobe Illustrator software required. (16 Contact Hours)

Adobe Photoshop CC Essentials—VIRTUAL  DSGN-8015
This fundamental course covers Adobe Photoshop CC most commonly used tools, menus and panels. You’ll learn all the basics of Photoshop to effectively work with selection and editing tools, layers, and masks to edit, retouch and enhance existing images or create your own composite digital artwork. Impress your business organization’s friends and family by enhancing their photos and create magazine quality enhanced images. Access to Adobe Photoshop software required. (16 Contact Hours)

Adobe InDesign Essentials—VIRTUAL  DSGN-8018
Adobe InDesign is the industry standard page-layout program that works with Adobe Illustrator and Photoshop. In this course, you will learn InDesign fundamentals to set up a print document and use various tools to create, setup, design, enhance and finalize multi-page documents. Access to Adobe InDesign software required. (16 Contact Hours)

Home Care Assistant  HLTH-8110
Home care is the fastest growing job opportunity in health care. Learn home care safety, compassion activities, plan and prepare meals, observation and documentation, transportation, assisting clients with the activities of daily living, and housekeeping chores. Prior registration, students must attend a mandatory workshop, WKSP-8000. Prior to the first day of class, students must complete a criminal background check. Details of the requirements will be reviewed at the mandatory workshop. For information, contact 586.226.4807 or healthcareers@macomb.edu.

Microsoft Office 2019  CSFT-8063B
Basic computer and keyboarding skills are required. Textbook and USB drive are required. Learn basic skills in Word, Excel, PowerPoint, and Access. Applications will include creating business letters and resumes in Word, exploring functions in Excel, using PowerPoint to create presentations, and working with database objects in Access. (30 Contact Hours)

Medical Terminology  HLTH-8101A
Develop a medical vocabulary through a word building system of prefixes, suffixes, roots words, and combining forms. Build, identify, and understand appropriate medical terms. Text Required. (48 Contact Hours)

Medical Coding I  HLTH-8102A
Prerequisite: WKSP-8000, HLTH-8101A, CSFT-8063B with minimum grade CR
Prepare for the nationally recognized Certified Professional Coder (CPC) exam. Learn the rules and regulations of ICD-10-CM (International Classification of Diseases, 10th Ed. Clinical Modification), allowing you to apply coding basics of Health Information Management Procedure Coding System (HCPCS) coding: Level I CPT, Level II National codes for medical services rendered in medical offices and hospital settings. Use the proper use of modifiers and apply medical necessity criteria to assign diagnostic and procedure codes. Complete medical insurance billing. Web-based learning will enhance classroom lectures. Students can access Canvas at My Macomb. Text Required. (56 Contact Hours)

CERTIFIED PROFESSIONAL CODING
Are you a detail-oriented, analytical, and business-minded thinker? A career in medical coding might be right for you! Upon successful program completion, WKSP-8000, CSFT-8063B, HLTH-8101A, HLTH-8102A, and HLTH-8104, students will receive a Workforce and Continuing Education certificate and gain the knowledge and skills necessary to be prepared to take the nationally recognized Certified Professional Coder (CPC) exam, licensed by the American Academy of Professional Coders. More information about the exam can be found at www.aapc.com.

NURSING ASSISTANT
Upon successful program completion, which is comprised of courses HLTH-8038A and HLTH-8108, you will receive a Workforce & Continuing Education certificate and be eligible to take the Michigan Nurse Aide Competency Evaluation Test, which is required to become a State of Michigan Certified Nurse Assistant. Prior to registration, students must attend a mandatory orientation. Prior to the first day of class, students must complete a criminal background check, drug screen, TB test, and health physical at their personal expense. Note: In order to practice, students must purchase a uniform. Details of each requirement will be reviewed at the mandatory orientation (WKSP-8000). For information, contact 586.226.4807 or healthcareers@macomb.edu.

Nurse Assistant Clinical  HLTH-8108
Prerequisite: HLTH-8038A or HLTH-8038
Participate in a 32-hour clinical experience. (32 Contact Hours)

HOME CARE ASSISTANT
Upon successful completion of this program, HLTH-8038A and HLTH-8110, you will receive a Workforce & Continuing Education certificate and gain the knowledge and skills necessary to assist patients living at home or in an Assisted Living facility. The emphasis of this certificate is based on: homecare safety, companionship activities, planning and preparing meals, observation and documentation, transportation, assisting clients with the activities of daily living, and housekeeping chores. Prior registration, students must attend a mandatory workshop, WKSP-8000. Prior to the first day of class, students must complete a criminal background check. Details of the requirements will be reviewed at the mandatory workshop. For information, contact 586.226.4807 or healthcareers@macomb.edu.

Nurse Assistant  HLTH-8038A
Prerequisite: WKSP-8000
Gain the knowledge and skills necessary to assist patients who need help with activities of daily living. Prepare to work in health care facilities or private homes under the direction of a registered nurse. Web-based learning will enhance classroom lectures. Students can access Canvas at My Macomb. Text Required. (96 Contact Hours)

CERTIFIED PROFESSIONAL CODING
Are you a detail-oriented, analytical, and business-minded thinker? A career in medical coding might be right for you! Upon successful program completion, WKSP-8000, CSFT-8063B, HLTH-8101A, HLTH-8102A, and HLTH-8104, students will receive a Workforce and Continuing Education certificate and be prepared to take the internationally recognized Certified Professional Coder (CPC) exam, licensed by the American Academy of Professional Coders. More information about the exam can be found at www.aapc.com.

Microsoft Office 2019  CSFT-8063B
Basic computer and keyboarding skills are required. Textbook and USB drive are required. Learn basic skills in Word, Excel, PowerPoint, and Access. Applications will include creating business letters and resumes in Word, exploring functions in Excel, using PowerPoint to create presentations, and working with database objects in Access. (30 Contact Hours)

Medical Terminology  HLTH-8101A
Develop a medical vocabulary through a word building system of prefixes, suffixes, root words, and combining forms. Build, identify, and understand appropriate medical terms. Text Required. (48 Contact Hours)

Medical Coding I  HLTH-8102A
Prerequisite: WKSP-8000, HLTH-8101A, CSFT-8063B with minimum grade CR
Prepare for the nationally recognized Certified Professional Coder (CPC) exam. Learn the rules and regulations of ICD-10-CM (International Classification of Diseases, 10th Ed. Clinical Modification), allowing you to apply coding basics of Health Information Management Procedure Coding System (HCPCS) coding: Level I CPT, Level II National codes for medical services rendered in medical offices and hospital settings. Use the proper use of modifiers and apply medical necessity criteria to assign diagnostic and procedure codes. Complete medical insurance billing. Web-based learning will enhance classroom lectures. Students can access Canvas at My Macomb. Text Required. (56 Contact Hours)

CPC Study Night  HLTH-8074
Prepare to take the AAPC Certified Professional Coder (CPC) Exam. Bring your current ICD-10, CPT, and HCPCS coding manuals. (5.5 Contact Hours)
CERTIFIED MEDICAL REIMBURSEMENT SPECIALIST

Pharmacy Technician

Pharmacy Technicians are in high demand in both retail (ambulatory) and hospital (institutional) pharmacies. Upon successful completion of WKSP-8000, HLTH-8005G, HLTH-8113A, and HLTH-8104, you will receive a Workforce & Continuing Education certificate and be prepared to take the Pharmacy Technician Certification Board Exam (PTCB).

Successful completion of the PTCB approved program is required to take the exam. More information can be found at www.ptcb.org. Prior to internship placement, you must pass a criminal background check, drug screening, and Part 46 certification. Students must plan for a 160-hour unpaid internship. Hospital internships also require a physical, immunization titers, and a current Basic Life Support Certification. Some placements require uniforms at your own expense. For information, contact 586.226.4807 or healthcare@macc.edu.

Ambulatory Pharmacy Technician

Pharmacy Technicians are in high demand in both retail (ambulatory) and hospital (institutional) pharmacies. Upon successful completion of WKSP-8000, HLTH-8005G, HLTH-8113A, and HLTH-8104, you will receive a Workforce & Continuing Education certificate and be prepared to take the Pharmacy Technician Certification Board Exam (PTCB).

Successful completion of the PTCB approved program is required to take the exam. More information can be found at www.ptcb.org. Prior to internship placement, you must pass a criminal background check, drug screening, and Part 46 certification. Students must plan for a 160-hour unpaid internship. Hospital internships also require a physical, immunization titers, and a current Basic Life Support Certification. Some placements require uniforms at your own expense. For information, contact 586.226.4807 or healthcare@macc.edu.

MEDICAL BILLER/CODER PROFESSIONAL DEVELOPMENT

Online Internship for Medical Coding

Gain experience you need to become a successful medical coder! This virtual internship simulates the work experience of a real-life medical coder. It offers real-life experience coding more than 500 objects in Access, including medical billing for medical practices. This course provides both theoretical instruction and hands-on hands-on computer lab experience. This course prepares you for the work of a medical coder in both retail and hospital settings.

Certified Personal Fitness Trainer

Children—Young Adults—Seniors—Professionals—Corporate Training

Your certification from our partners at MICHIGAN WORKERS' COMPENSATION DEPARTMENT (MWCDEP) is the only major certifying body in the state of Michigan. Upon successful completion of the PTCE exam, you will receive a Workforce & Continuing Education certificate and be prepared to take the PTCE exam. Successful completion of the PTCE exam is required to take the exam. More information can be found at www.ptcb.org. Prior to internship placement, you must pass a criminal background check, drug screening, and Part 46 certification. Students must plan for a 160-hour unpaid internship. Hospital internships also require a physical, immunization titers, and a current Basic Life Support Certification. Some placements require uniforms at your own expense. For information, contact 586.226.4807 or healthcare@macc.edu.

Phlebotomy

Learn to do a perfect venipuncture and your skills will be in demand! This course can lead to full time work as a phlebotomist or enhance your resume as a multi-skilled health care worker. Upon successful completion of courses HLTH-8001C and HLTH-8012B, students will receive a Workforce and Continuing Education certificate and be prepared to take the nationally recognized American Medical Technologist (AMT) exam immediately or the American Society for Clinical Pathology (ASCP) exam for Phlebotomy after one year's experience. More information about the exams can be found at www.ametech.org and www.ascp.org. Michigan's Phlebotomists must now be licensed! Acquire the knowledge and skills needed to become a certified phlebotomist and successfully complete the Phlebotomy Certification Exam (PTCE). Participate in several practice exams during the course to better prepare yourself for the actual exam. Text required. For information, contact 586.226.4807 or healthcare@macc.edu.

Workforce & Continuing Education Courses are for EVERYONE!
LABORATORY ASSISTANT

Do you love science? Laboratory Assistants combine the art of phlebotomy with the beginning knowledge and skills used to assist medical laboratory professionals in clinical laboratories found in hospitals, doctor’s offices, urgent care, and medical laboratories. Students will practice phlebotomy and specimen processing in the lab. Upon successful completion of HLTH-8010A, HLTH-8106A, and HLTH-8107A, students will be awarded a Workforce and Continuing Education certificate and will be prepared to take the national board examination administered by the American Society for Clinical Laboratory Science (ASCLS). More information about the exam can be found at www.amsl.org. To make note that field trips will replace class hours on occasion. For information, contact 586.226.4807 or healthcareers@macomb.edu.

Medical Terminology

HLTH-8010A
Corequisites: HLTH-8010A
Learn the art of phlebotomy, proper specimen collection and prepare you for specimen analysis. Understand how to process clinical specimens for distribution to appropriate laboratory departments, e.g. blood bank, chemistry, hematology, or microbiology. Topics include safety, quality assurance, and quality control. You will practice laboratory safety procedures while learning Clinical Laboratory Improvement Act (CLIA) waived procedures commonly performed in the laboratory. Web-based learning will enhance classroom lectures. Students can access Canvas at My Macomb. Test required. (120 Contact Hours)

Laboratory Assistant Internship

HLTH-8106A
Participate in a 120-hour unpaid internship in a clinical laboratory. (120 Contact Hours)

AVI-3 VECT-8020

Become competent in the intricacies of surgical assistance and patient preparation as it pertains to ensuring surgical asepsis. Understand common diseases and medical conditions that affect animals and preventative care measures. Learn euthanasia procedures, stages of grieving, OSHA standards and handling of hazardous waste. Topics also covered include animal nutrition for various life stages, breeding and genetics. Test required. (60 Contact Hours)

AVI-4 VECT-8021

Learn radiograph and ultrasound diagnostic imaging techniques and procedures including safety procedures and use of equipment. Understand pet insurance including types of coverage available for animal patients. At the end of the course, students will take the proctored Approved Veterinary Assistant NAVTA Exam. Test required. (60 Contact Hours)

AVI-Internshop VECT-8022

Complete a 50-hour supervised clinical experience in an affiliated veterinary facility. Practice skills learned in the program pertaining to office and exam room procedures as well as hands-on technical skills. Students are provided an additional 50-hour opportunity to continue practice of necessary skills commonly performed by veterinary assistants in a community program such as the Humane Society. (100 Contact Hours)

Tai Chi Advanced II: Reversed

FTNS-8081

Prerequisite: FTNS-8018E and FTNS-8020E
This course starts with a review of movements 1-12 and teaches the opposite direction for all 12 movements of Sun-style Tai Chi, creating a flow of 24 beautiful movements that strengthen the body and mind. Reinforce the power of focus as participants embrace the slow, graceful movements and controlled breathing techniques to reduce pain, stiffness, and fatigue. Experience improved energy, well-being, and Qig, the life energy that is essential for health and vitality and which governs the functions of the body. (6 Contact Hours)

Tai Chi 2 - FTNS-9017

This is a continuing course designed for those who have learned the 24 postures in the beginner, advanced and reverse classes. Participants continue through a series of graceful, flowing movements adapted from the ancient Chinese discipline of Tai Chi, including warm-up, cool down, and breathing exercises. The program is designed from Sun-style, the gentlest form of Tai Chi. (6 Contact Hours)

LANDSCAPE DESIGN

DynaSCAPE Design & Color - LAND-8001A
DynaSCAPE.3 DS Design and DS Color continues to lead the way with a level of design quality that remains unequaled in the industry. The DynaSCAPE Design CAD-based design tool allows you to produce impressive, job-winning presentations in a fraction of the time it takes to hand render designs. DynaSCAPE Color is the exciting landscape software module that gives you the ability to create beautiful full-color versions of your landscape design drawings in a fraction of the time that it takes to color them by hand. DynaSCAPE Color doesn’t just add solid color fills to certain shapes! This is an advanced tool that lets you add an entire spectrum of subtle colorings, textures, opacities, and shadings to any DynaSCAPE design with just a few seconds of mouse-clicks. Like DynaSCAPE Design itself, Color again raises the bar on landscape design drawing efficiency, by injecting a new level of professionalism and a new dimension of detail to your designs. (18 Contact Hours)

ENVIRONMENTAL HORTICULTURE CERTIFICATE

Become familiar with commonly used landscape plants and their identifying characteristics and cultural requirements. Discover plants that work well together and incorporate each plant into the landscape. The Environmental Horticulture Certificate consists of seven courses: LAND-8002A, LAND-8023A, LAND-8006B, LAND-8006A, LAND-8004A, and LAND-8022A. Classes may be taken individually or as part of the certificate program. For information, contact the program coordinator at 586.498.6100 or workforcdev@macomb.edu.

Basic Horticulture/How to Grow Plants - LAND-8020A
Learn the basics of how plants grow, their relationship with the soil, their water and nutrient needs, and how they interact to the surrounding environment. The ‘Right Plant Right Place’ sustainable philosophy will be explored. (18 Contact Hours)

Plant ID & Use - Shrubs - LAND-8022A
Familiarize yourself with the most commonly used shrubs in the landscape, their identifying characteristics and cultural requirements. (9 Contact Hours)

PHOTOGRAPHIC ARTS CERTIFICATE

The Certificate in Photographic Arts consists of six courses: PHOT-8003B, PHOT-8006C, PHOT-8011C, PHOT-8030, PHOT-8005B, and PHOT-8013B. Please note Photoshop Elements 1 PHOT-8024A or Photoshop Elements 2 PHOT-8024A is to be taken in lieu of PHOT-8030. Bring your camera to all classes and be prepared to make note that field trips will replace class hours on occasion. For information, contact the program coordinator at 586.498.6100 or workforcdev@macomb.edu.

Digital Fundamentals - PHOT-8003B
Discover the joy of digital photography. Improve your knowledge of digital cameras, menus, and controls. Learn the fundamentals of file formats and image resolution choices for printing, email, or posting to a website. Developing a working knowledge of how to download and edit your photographs. (15 Contact Hours)

Principles of Photography - PHOT-8006C
It is strongly recommended that students register for Digital Fundamentals before taking the other photography courses in this program. This course will focus on digital imaging. Understand the fundamentals of composition, light, and movement and become comfortable using your camera menus and controls. Develop your own style and discover why some photographers are consistently better than others. (15 Contact Hours)

WORKFORCE & CONTINUING EDUCATION
Travel Photography PHOT-8011C
It is strongly recommended that students register for Digital Fundamentals before taking the other photography courses in this program. Preserve your never-to-be-revisited scenes and rekindle memories of a wonderful adventure. Learn what equipment to bring and how to capture the spirit of all that you visit. Discover the best composition techniques for photographing cityscapes and landscapes. (15 Contact Hours)
75009 T 2/25/20-3/24/20 6:00 PM-8:55 PM $255 75010 MTEC 123 6:00 PM 8:55 PM Melby, S

Photoshop for Photographers PHOT-8013B
It is strongly recommended that students register for Digital Fundamentals before taking the other photography courses in this program. Turn good photos into great photos. Improve composition by removing unattractive objects, create stunning photo-art by blending images, and add special effects that make your pictures unique. Learn to use Photoshop layers, tools, and filters. Different versions of Adobe Photoshop will be discussed. (15 Contact Hours)
75009 T 3/31/20-4/26/20 6:00 PM-8:55 PM $255 75010 MTEC 123 6:00 PM 8:55 PM Melby, S

PHOTOGRAPHY

Photographic Portfolio Presentation PHOT-8022
You’ve taken the shots, now learn how to present your work professionally. This course is taught by an experienced professional photographer who will help you assess your current work and help to develop a strategy for creating striking and effective presentations to book your clients and future jobs. Learn how to evaluate your work, organize and assemble your photos into a beautiful portfolio for final presentation in person and online. Bring your best photos to the first session. All students will receive a portfolio and materials for assembly. (8 Contact Hours)
74923 TH 3/26/20-4/23/20 6:00 PM-8:55 PM $279 75010 MTEC 123 6:00 PM 8:55 PM Melby, S

PHOTOGRAPHY WORKSHOPS

Students must have completed the Photographic Arts Certificate in order to register for any of the workshops listed below.

Travel Photography Workshop PHOT-8033
So you’ve completed the Photographic Arts certificate but want to learn more on this subject? Troubleshoot and refresh your skills in Travel Photography as you bring your experience and creative skill level to this 5 week class. This is a great opportunity to build up and enhance your portfolio. (15 Contact Hours)
75008 T 2/25/20-3/24/20 6:00 PM-8:55 PM $75 75010 MTEC 123 6:00 PM 8:55 PM Melby, S

Photoshop for Photographers Workshop PHOT-8036
So you’ve completed the Photographic Arts certificate but want to learn more on this subject? Troubleshoot and refresh your skills in Photoshop for Photographers as you bring your experience and creative skill level to this 5 week class. This is a great opportunity to build up and enhance your portfolio. (15 Contact Hours)
75011 T 3/31/20-4/26/20 6:00PM-8:55PM $75 75010 MTEC 123 6:00PM 8:55PM Melby, S

REAL ESTATE

Real Estate Fundamentals RLST-8004
Designed to provide the information necessary to pass the PSI Salesperson’s License exam and gain a better understanding of the business. Instruction includes practice exams, diagnostics, strategies, and helpful examples. (40 Contact Hours)
74713 TH 11/14/19-2/19/20 6:00 PM-9:55 PM $275 CTR 109 NCI ASSOCARE, LTD 6:00 PM 9:55 PM Burke, J
74704 MW 3/9/20-4/23/20 6:00 PM-9:55 PM $275 CTR 109 NCI ASSOCIATES, LTD 6:00 PM 9:55 PM Burke, J

WRITING

Memoir: A Novice Approach to Write About Your Life WRIT-8048
This class is a novice approach to tell your story. Techniques and methods are emphasized during the writing process to enhance the craft of memoir. Students discuss true-life stories and examine the basic elements of writing memoirs. (3 Contact Hours)
74602 T 1/21/20-1/27/20 6:00 PM-8:55 PM $55 SOU C334 Burke, J

A Novice Approach to Short Story Writing WRIT-8049
This class is an overview of the basic stages for creating a short story. Useful skills will motivate and inspire writers to write. The instructional strategy includes: brainstorming, creating characters, developing conflict and setting the scene. (3 Contact Hours)
74683 T 1/28/20-2/24/20 6:00 PM-8:55 PM $55 SOU C334 Burke, J

Manuscript Development WRIT-8022
This class will provide guidance on manuscript construction—beginning, middle and end. Title creation, outline format, character development, and plot construction will be discussed. In-class writing assignments will focus on objectives to complete the manuscript. (3 Contact Hours)
74684 T 2/1/20-2/7/20 6:00 PM-8:55 PM $55 SOU C334 Burke, J

Complete Novel: Beginning, Middle, & End WRIT-8054
Create a fictional story by learning the critical elements of story telling. Acquire techniques to write plot, build characters, and conduct research. Develop the skills that allow connections to be made between characters and plot to complete a novel. (9 Contact Hours)
74685 T 2/21/20-3/25/20 6:00 PM-8:55 PM $55 SOU C334 Burke, J

Write, Publish, Market Books for Beginners WRIT-8047
This class is a basic overview for the novice writer to discover and explore the process of completing a manuscript, editing, and publishing the work. It also covers the professional attitude needed to revise the manuscript. (3 Contact Hours)
74686 T 3/24/20-4/30/20 6:00 PM-8:55 PM $55 SOU C334 Burke, J

Creative Thinking for Writers WRIT-8039
Learn strategies to eliminate mental blocks for writers. Discover improved brainstorming abilities and thought expansion techniques to develop organized thinking and improved creative writing for fiction, non-fiction, poetry, business and personal composition. (3 Contact Hours)
74687 T 3/31/20-5/12/20 6:00 PM-8:55 PM $55 SOU C334 Burke, J

Motorcycle Safety Training
The Motorcycle Rider and Safety Education program is conducted with Michigan Safety Education funds from a state grant administered by the Michigan Secretary of State.

All motorcycle classes require students to have the following riding gear and safety equipment for the first riding session:
- DOT-approved motorcycle helmet
- Long-sleeved jacket or heavy shirt
- Heavy-duty long pants
- Eye protection—goggles or glasses (required even with a face-shield helmet)
- Full-fingered gloves
- Boots (ankles must be covered and boots must have a hard sole–high heels or high-top tennis shoes are not permitted)
- Rain and cold weather gear, as needed

Due to State of Michigan training requirements for the Motorcycle Endorsement, you must be on time to class and attend all sessions. Late arrivals will not be admitted into class.

Students under the age of 18 are allowed to take the Basic Rider Web-Enhanced or the Returning Rider course starting at age 15 if they have a valid driver’s license number. A parent or guardian must accompany the student to the first class meeting; parent signatures are required on some documents.

Motorcycle Safety Refund Policy:
- 0% refund if student drops or transfers course
- 100% refund if course is canceled by College

For information, contact 586.445.7605 or motorcycle@macomb.edu.

Basic Rider Web Enhanced CYCL-8016

Designed for participants that have minimal experience operating a motorcycle.

- The course will focus on the development of basic riding skills: clutch and throttle coordination, straight-line riding, braking, turning and shifting.
- Successful completion of this course and its knowledge and skills test will result in a riding and written test waiver by the Secretary of State. Prerequisite: Ability to ride a bicycle (16 Contact Hours)

REQUIRED:
- 3 hours of online course training must be completed prior to your class start date. Computer access required.
- Online course information will be sent via email within 2 business days of registration. If you have not received it after 2 business days please contact motorcycle@macomb.edu
- Must bring Online Certificate of Completion to first day of class.
- 10 hours of hands-on coaching

Returning Rider (Basic Rider 2) CYCL-8019

This one-day course is designed for the experienced but unendorsed rider to become licensed and legal, or for already endorsed riders to refresh and improve their skills. This course is NOT designed for beginning riders.

- Students must demonstrate competency with basic operational skills and pass the Level 1 written test during the screening exercises in order to continue in the course.
- If a rider determines they need additional skill development before proceeding, the rider will be referred to the Basic Rider Course (no refunds or transfers).
- Topics include: speed control, braking & stopping, counter steering, cornering, hazard avoidance and other techniques necessary for the experienced rider to operate a motorcycle skillfully and safely.
- Each student must provide their own motorcycle and riding gear. Sharing is not allowed.
- Scooters will be allowed in this course.
- The cycle must be titled, properly registered, and display a valid license plate.
- Each student must provide proof of insurance and the bike must pass a safety inspection.
- Successful completion allows a student to waive the Secretary of State written and riding skills tests. (8 Contact Hours)

Become a Motorcycle Safety Foundation Certified Instructor

Applicant Requirements:
- At least 18 years of age
- Valid Operator’s License with a motorcycle endorsement for at least one year
- Personal driving record with no more than 6 points in the 12 consecutive months before applying
- Background check
- Active motorcyclist with considerable street riding miles each season
- Successful completion of the class results in national certification by the Motorcycle Safety Foundation.

For more information, or to request an application, please contact the
Workforce & Continuing Education office: 586.498.4112 | motorcycle@macomb.edu
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**1-MONTH COURSES**

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**2-MONTH CERTIFICATES**

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**CERTIFIED ONLINE TEACHER/INSTRUCTOR (COI)**

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**See full list of courses and register at [www.yougotclass.org/index.cfm/MCCSCECH](http://www.yougotclass.org/index.cfm/MCCSCECH)**

**Only $119 per class. 24 SCECHs per class.**

See full list of courses and register at [www.ed2go.com/mccsbceu](http://www.ed2go.com/mccsbceu)
Discover how you can connect to short-term, fast-track training in Automated Systems, Instructional Designer and Quality Management. Advance your career today!

We provide both standardized and customized training that can be delivered to your entire team, locally—globally—at your place or ours!

Geared to the needs of the manufacturing industry and its current and future workforce, Macomb Community College’s Michigan Technical Education Center (M-TEC<sup>TM</sup>) is the region’s resource for technical training. M-TEC<sup>TM</sup> partners with employers, Macomb County Planning and Economic Development, Michigan Economic Development Corporation, Michigan Works!, and Macomb County to provide workforce development solutions for all levels of advanced manufacturing. Working across multiple industry sectors and in collaboration with the region’s employers, the M-TEC team develops and delivers both customized and ongoing technical training for companies and individuals to ensure their continued competitiveness in the global economy.

### Automated Systems

With new technologies being discovered every day in advanced manufacturing, it’s a challenge staying current while moving ahead. Macomb Community College has educational programs to train individuals for required skills in PLC’s, robotics, fluid power, VFD drives and more. We train on the latest technology from FANUC, Siemens, and Allen Bradley. Students in select programs may be eligible to earn certifications from FANUC and Siemens. Complete your fast-track program in a few months and start your new career as a:

- Robot Programmer – 120 hours
- Robot Technician – 408 hours
- Controls Technician – 464 hours
- Maintenance Technician – 400 hours

Students can also take individual classes in:

- CELC 8013 Electrical Fundamentals
- CELC 8012 Motor Controls & Drives
- CELC 8016 Digital Electronics
- CMNF 8241 FANUC Robotics Operations
- CMNF 8273 FANUC IR Vision 2D
- CMNF 8247 Basic PLC Programming
- CMNF 8281 RFID
- CMNF 8207 Pneumatics Fundamentals
- CMNF 8053 Hydraulics Fundamentals
- CELC 8020 Electro-Hydraulics & Pneumatics
- CWET 8055 Soldering
- CMNF 8276 Machine Tool

Courses specific to Fanuc, ABB and Motoman to include Operations, Programming, Electrical Maintenance and Troubleshooting, Mechanical Teardown and Preventative Maintenance.

Classes available for Corporate Customers and individuals seeking new skills or to upgrade current skills.

### Lockout & Energy Control for GM Contractors ($350 per person)

This one-day course is offered exclusively to approved Suppliers of General Motors and covers the requirements and procedures to perform Lockout Energy Control safely in a GM plant or facility.

Complete course description and registration information at: http://www.macomb.edu/business/workforce-development/general-motors.html. For questions, contact Debra Lang at 586.498.4114 or langd@macomb.edu

### Instructional Certification Suite (80 hours)

Instructor Certification, Instructional Designer Certification, and Training Manager Certification courses provide theory and hands-on application of educational methodologies required by today’s trainers, along with the design process, including the analysis, design, development, and evaluation of course materials.

- Instructor Certification – 40 hours
- Instructional Designer Certification – 40 hours

### Training Manager Certification (40 hours)

Training Manager – 40 hours

Call for schedule and registration information 586.498.4100

### Quality Management Processes (272 hours)

Set your course today to become a Quality Inspector and begin your career in Quality Management. Discover how you can make a difference as an inspector or auditor, working with industry and international standards, troubleshooting, and effectively maintaining production integrity and efficiency in the workplace.

Certificate programs are available in:

- Fundamentals of Quality – 40 hours
- Core Tools Training – 40 hours
- Quality Tools Application – 64 hours
- Quality Management – 48 hours
- Quality Professional – 80 hours

Courses within a certificate can be taken individually or as part of the certificate program.

### Quality Management Specialty Training

- Six Sigma Green Belt
- Core Tools Training – 40 hours
- Quality Tools Application – 64 hours
- Quality Management – 48 hours
- Quality Professional – 80 hours

### Quality Tools and Analytics Workshops Register Today!

Call for schedule and registration information 586.498.4100

Get your team ready now. Register today!

Visit: https://www.macomb.edu/business/workforce-development/mtec-training-companies.html

Don’t wait! Classes fill quickly. Register now!
REGISTRATION & INFORMATION

Macomb Community College extends the College’s tradition of education and service by providing lifelong learning opportunities to the community through Workforce & Continuing Education.

REGISTRATION

Registration opens Friday, November 15 at 8am. We suggest you register for class at least one week before it begins to ensure you get a seat before classes fill; however, you can register until the day class begins.

PRIVACY ACT NOTICE

Disclosure of Social Security numbers is mandatory for registration. This information is used to (1) verify the identity of students, (2) keep, maintain and access the records of students, and (3) for purposes of financial aid or other benefits available under law. For additional information visit macomb.edu (search: confidentiality) to review Macomb Community College’s Confidentiality of Student Records policy.

2 EASY WAYS TO REGISTER FOR CLASSES

1) Register Online: Visit www.macomb.edu. Click on Apply at the top of the page.
   - New students: Click on the TEAL New Continuing Education Students box. Click Search and Register for Continuing Education Classes.
   - Returning students: Click on the GRAY Current & Returning Continuing Education Students box. Log in with your My Macomb credentials.

2) Walk in Registration:
   - Visit the Records & Registration Office - South Campus G Building, Room 224; Center Campus G Building, Room 110. Monday and Tuesday: 8am–6pm Wednesday through Friday: 8am–4:30pm
   - Call 586.445.7492 or 586.286.2084 (Center Campus) at least one week before it begins to ensure you get a seat before classes fill; however, you can register until the day class begins.

WCE LOCATION CODES

WHERE WCE CLASSES ARE HELD

Center Campus (CTR) and University Center Place (UC1) or (UC3)
44575 Garfield Rd.
Clintondale, MI 48038
Corner of Hall and Garfield Rd.
A BLDG • Use Parking Lot 3 off Garfield
B BLDG • Use Parking Lot 3 off Garfield
C BLDG • Use Parking Lot 2 and 3 off Garfield
D BLDG • Use Parking Lot 1 off Garfield
E BLDG • Records & Registration Office, Rm 110
F BLDG • Use Parking Lot 1 off Garfield
G BLDG • Use Parking Lot 1 off Garfield
H BLDG • Use Parking Lot 2 off Garfield
I BLDG • Use Parking Lot 2 off Garfield
J BLDG • Use Parking Lot 7 off Hall Rd.
K BLDG • Use Parking Lot 8 and 10 off Hall Rd.
L BLDG • Use Parking Lot 10 or 11 off Hall Rd.
M BLDG • Use Parking Lot 10 or 11 off Hall Rd.
N BLDG • Use Parking Lot 5B off Garfield

M-TEC (MTEC)
7900 Tank Avenue • Warren, MI 48092
Located west of Van Dyke on Tank Avenue (Martin Rd.) Parking is behind the building

Campuses closed: January 20, April 10 and April 12. Please check macomb.edu for updated holiday and school closing information. For Registration Assistance, call 586.445.7999

CERTIFICATE REQUESTS

Upon successful program completion, request your certificate by contacting:
- Business & Information Technology and ESL: continuinged@macomb.edu.
- Engineering & Advanced Technology: 586.498.4100 or workforcecdev@macomb.edu.
- Health & Public Services/Center for Health Careers: healthcareers@macomb.edu.

CONTINUING EDUCATION UNITS (CEU)

This is a nationally recognized standard unit of measure for substantive learning experiences. One CEU is equal to 10 instructional hours.

FINANCIAL AID

Financial Aid is not available for WCE classes but you may be eligible for funds from Michigan Works!, Vocational Rehabilitation, or Tuition Assistance Programs. Authorization must be submitted prior to or at the time of registration: 586.445.7492 or sponsoredbilling@macomb.edu.

CONTINUING EDUCATION UNITS (CEU)

This is a nationally recognized standard unit of measure for substantive learning experiences. One CEU is equal to 10 instructional hours.

REGISTER TODAY!

The Workforce & Continuing Education schedule is published periodically by Macomb Community College, 14500 E. 12 Mile Rd., Warren, MI 48088-3896

REGISTRATION begins Friday, November 15, 2019, at 8am.

tuition

- Tuition payment must be made at time of registration.
- Rates are the same for residents of all counties.
- Tuition is different for each class and is listed in this Schedule of Classes.
- Seniors (age 60 & older) will receive a 10% discount, unless otherwise noted.

WORKFORCE & CONTINUING EDUCATION

SCHEDULE OF CLASSES

JANUARY–APRIL 2020

Registration begins Friday, November 15, 2019, 8AM

M-TEC (MTEC)
7900 Tank Avenue • Warren, MI 48092
Located west of Van Dyke on Tank Avenue (Martin Rd.) Parking is behind the building

Center Campus, South Campus, and M-TEC® maps are available at www.macomb.edu
MACOMB COMMUNITY COLLEGE
Sports & Expo Center

JAN.-JUNE 2020 EVENTS

January 17, Fri ........................................... 12pm–9pm
January 18, Sat ........................................... 11am–9pm
January 19, Sun ........................................... 11am–6pm

Macomb RV Outlet Show
www.rvoutletshow.com
Admission: $3 general, children 10 & under FREE, $1 off with online coupon
Contact: 586.954.3800

January 24, Fri ........................................... 8am–10pm
January 25, Sat ........................................... 8am–10pm
January 26, Sun ........................................... 8am–6pm

Athlete Warrior Challenge
www.athletewarriorchallenge.com
Admission: FREE
Contact: athletewarriorchallenge@gmail.com

February 1, Sat ........................................... 9am–6pm
February 2, Sun ........................................... 10am–5pm

Shipshewana on the Road
www.shipshewanaontheroad.com
Admission: $5 adults, children ages 12 & under FREE (ATM on site)
Contact: Greg Fountain, 269.979.8888
greg@dishshows.com

February 9, Sun ........................................... 8am–4pm

Walter P. Chrysler Club, Great Lakes Region
Winter Swap Meet
http://wpc-glr.org/
Admission: $5 general admitt, 8am–3pm, $20 early-bird admitt
7–8am
Contact: David Radcliffe (8a–5pm) 586.859.2575
wpcwinterswap@yahoo.com

February 11, Tues ........................................... 5pm–9pm

2nd Annual Michigan Senior Olympic Track & Field Indoor Meet
(Compete in five year age groups)
https://www.michiganseniorolympics.org/
Admission: FREE (Competitors must register online)
Contact: 248.608.0252, 248.608.0250

February 15, Sat ........................................... 10am–6pm
February 16, Sun ........................................... 10am–4pm

Macomb Spring Home Show
www.yourhomeshows.com
Admission: FREE
Contact: Vickie at 248.524.4868 (x304)
Vickie@GazetteMediaGroup.com

February 21, Fri ........................................... 5pm–9pm
February 22, Sat ........................................... 10am–6pm

The Great Lakes Comic Convention
http://greatlakescomicconvention.com/
Admission: $15 each day, $25 both days, children 10 and under are free.
Contact: 888.497.3116
info@greatlakesconvention.com

February 25, Tues ........................................... 4pm–7pm
Macomb Community College—College & Transfer Fair
www.macomb.edu/TransferFair
Admission: FREE
Contact: transfer@macomb.edu, 586.263.6033

March 6, Fri ........................................... 10am–6pm
March 7, Sat ........................................... 10am–6pm
March 8, Sun ........................................... 10am–3pm

Michigan State Numismatic Society
Spring Convention & Coin Show
http://www.michigancoinclub.org
Admission: Free, during normal show hours. Photo ID Required.
Contact: 734.453.0504

March 14, Sat ........................................... 9am–6pm
March 15, Sun ........................................... 10am–4pm

43rd Annual Midwest Fly Fishing Show
https://midwestflyfishingexpo.com/
Admission: $10 adults, $15 2-day pass, children 16 & under FREE
Contact: Craig Summers, Midwestflyexpo@outlook.com

March 21, Sat ........................................... 8am–6pm

The 36th Annual
Macomb Science Olympiad—Region 7
Middle and High School Tournament
http://macombs.o/index.php/secondary
Admission: FREE
Contact: Paul Voydanoff, ssodirector@macombs.o.org

March 29, Sun ........................................... 9am–3pm
Detroit Area Auto Modelers Toy Show
Motor City Madness, All Classes
www.facebook.com/DetroitAreaAutoModelers
Admission: $5
Contact: 586.344.9496, daambear@gmail.com

April 3, Fri ........................................... 8am–10pm
April 4, Sat ........................................... 8am–10pm
April 5, Sun ........................................... 8am–4pm

2020 XCEL Bronze/Gold/Silver State Championships
Gymnastic Competition
www.huntsgymnasticsacademy.com
Admission: Visit website
Contact: 586.954.3300

April 22, Wed ........................................... 4pm–7pm

Macomb Community College—Career Services Job Fair
www.macomb.edu/careerservices
Admission: FREE
Contact: 586.445.7321, careerservices@macomb.edu

April 25, Sat ........................................... 9am–3pm
Tummy to Toddler
http://tummytotoddlerexpo.com/
Admission: FREE
Contact: 586.255.7552, info@tummytotoddlerexpo.com

May 1, Fri ........................................... 7pm–9:30pm
Macomb Community College—103rd Commencement Ceremony
Students: Log on to my.macomb.edu, click on Student Life>Student Life and Leadership>Commencement
Admission: Ticket Required
Contact: 586.228.GRAD, commencement@macomb.edu

May 13, Wed ........................................... 9am–3pm
Macomb Special Olympics—Regional Competition
http://www.somi.org/area14/
Admission: FREE
Contact: Nicole Lambert 586.489.4337, area14@somi.org

May 16, Sat ........................................... 8am–6pm
Macomb Science Olympiad Elementary Tournament
https://macombs.o.org/elementary
Admission: FREE
Contact: John Ogden, ssodirector@macombs.o.org
Information on volunteer opportunities to help run tournaments will be available on www.so volunteer.org

May 28, Thur ........................................... 7pm–9pm
Eastpointe High School Graduation Ceremony
http://www.eastpointeeschools.org/eastpointe-high-school/
Admission: Call EPHS for more information.
Contact: 586.533.9700

June 5, Fri ........................................... 7:30pm–9pm
Lincoln High School/Van Dyke Public Schools Graduation Ceremony
http://www.vdps.net/lincoln-high-school/
Admission: Call LHS for more information.
Contact: 586.758.8307

June 6, Sat ........................................... 10am–4pm
(See times below)
Warren Consolidated Schools Graduation Ceremonies (WCS)
Sterling Heights High School ........................... 9am–10:30am
Cousino High School ................................... 12pm–1:30pm
Warren Mott High School .............................. 3pm–4:30pm
http://www.wcskids.net/
Contact: 888.4WCS.KIDS

June 12, Fri ........................................... 8am–6pm
June 13, Sat ........................................... 8am–6pm
Serbian National Federation 81st Basketball Tournament
http://snflife.org/basketball
Admission: Visit website
Contact: 412.458.5227, snf_athletic@snflife.org

Book your event with Macomb’s Conference & Event Services.
See facilities and amenities.
Call or Visit:
586.445.7538 | www.macomb.edu/eventservices

Phone: 586.445.7538 | www.macomb.edu

14500 E. 12 MILE RD., WARREN, MI
SOUTH CAMPUS, P BUILDING
Note: This is not a complete listing.
Other events are in the process of being scheduled.
Supporting Macomb County and its residents through education, enrichment & economic development.

macomb.edu
Follow Us

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Lifelong learning is limitless with SOAR Macomb!
The Society of Active Retirees (SOAR) is a Macomb Community College Initiative. SOAR members enjoy:

• A variety of noncredit courses in art, music, science, current events, health, sports and more!

• Social, cultural and personal enrichment experiences

Classes are offered during fall, spring and summer months at Macomb Community College, Center Campus in Clinton Township.

Ready to become a lifelong learner? Go to www.macomb.edu/soar