

## THE SCHOOLS @ MCC



## IN THIS ISSUE:

- School Spotlight
- Faculty Liaison Spotlight
- School Specialist Spotlight
- IFA Pilot
- Program Spotlights
- Upcoming Events



## School Spotlight: School of Applied Sciences & Technologies

Fall 2017 marked the start of something new—the School of Applied Sciences and Technologies (SAST), the College’s seventh school. SAST offers a broad range of career-focused credit and non-credit post-secondary programs in advanced manufacturing, engineering and applied technologies, information technology and computer science, emergency services and culinary arts and hospitality.

The programs in the new school make use of guided pathways, which serve as a road map for students. That “pathway” leads the student clearly through their academic program, targeting them for graduation and entry (or re-entry) into the workforce.

In its first semester, almost 2,000 students—1,885, to be exact—enrolled in SAST programs. Almost half of them are adult learners over the age of 24. Since programs are designed to meet the needs of students, a class that is focused on adult learners may feature classes held during the mornings and early afternoon only, so that parents are done in time to pick up their children from school.

Another hallmark of SAST programs are stackable credentials, which allow a student to seamlessly “stack” a non-credit program, such as a certificate in their field of study, with an associate’s degree in the same field, without loss of credit or momentum.

SAST’s programs are developed on a foundation of robust labor-related data. Economic and Workforce Development Center staff analyze information on documented labor shortages to determine how MCC can best use its resources to alleviate these shortages. Programs are developed with input from regional business and industry leaders to benefit both workers and the local economy.

The division purpose is to serve business and industry through the graduation of a greater number of workers with post-secondary credentials and degrees aligned to documented needs in the local economy. The creation of a seventh School within the current guided pathways model allows for continued integration of EDIWS’ labor linking efforts creating a student advising model that actively incorporates credit and non-credit program options for students.

## Faculty Liaison Spotlight: Paul Brennan

The Guided Pathways program reinforces the essential bridge connecting students to the completion of their goals; by name that bridge is their faculty advisor.

I teach in The School of Applied Sciences & Technologies, which offers credit and noncredit programs that prepare students for careers in advanced manufacturing, engineering and applied technologies, information technology and computer science, emergency services, and culinary arts and hospitality.

When the opportunity arose for me to play a greater role as a faculty liaison, which is rather outside of my normal activities, I knew my years of experience with the program and its associated careers would be a valuable asset. Having worked closely with those enrolled in my particular program, I am familiar with the complexities of giving good advice and the detrimental effect of incorrect or ill-timed information on both students and programs.

As a faculty liaison, I can attest that the role is challenging, impactful, and ultimately rewarding. Over the years, many of our graduates have proclaimed that their best or favorite teachers were those at MCC. We now have the opportunity to connect even more closely with current and prospective students, keeping their education relevant in the modern dynamic labor market.

## School Specialist Spotlight: Lomax R. Campbell, '05

When I assumed the interim role as inaugural school specialist for the School of Applied Sciences and Technologies (AST), the College was preparing for the second year of implementation of Guided Pathways. As specialist for the “new [school] on the block,” I was the primary beneficiary of the lessons learned by my colleagues—the other school specialists—over the course of their schools’ first 12 months. Certainly, there has hardly been a dull moment learning essential tools, techniques, and processes for advising under the model while working to establish AST. As we close out the spring semester, I wanted to reflect on a few highlights from our school’s first year.

Working with VP Oldham and AVP O’Connor, I developed a conceptual framework to delineate the school specialist role within the context of the Economic Development and Innovative Services (EDIWS) division. The framework conveys how an integrated communications strategy and student success network can be leveraged to coordinate major student engagement activities across our school’s geographically dispersed operations (i.e., Brighton and Downtown Campus, Applied Technologies Center, Public Safety Training Facility, and Eastman Business Park) from recruitment and retention to completion.

Given the above reality, I have maintained advising hours through Starfish Success Net in Brighton and Downtown since last fall and have worked collaboratively with our Perkins CTE Advisors Shameka and Julissa to ensure additional support for our students. We have prepared video and print resources to help faculty and staff assist students with college and career exploration. We have also created opportunities for faculty and current students to interact with prospective students under our Totally STEM/Totally Health field trip series. Looking forward, the summer and upcoming academic year seems promising for AST. Please feel free to reach out with questions or send students our way via Starfish, we are delighted to help ensure their continued success.

Here are a few resources to help you serve our students:

- [Dreamkeepers](#) – Unforeseen financial emergency.
- [Single Stop](#) – Community resources.
- Food. Go to 3-126 at the Brighton Campus and 2-220 at the Downtown Campus and ask for DWIGHT.
- [Counseling Services](#)
- [Health Services](#)
- [How to make a Starfish appointment with your School Specialist \(PDF\)](#)
- [MCC Career Coach](#)

## The Labor Market is Our Compass

### MCC continues to make labor market Data actionable

The Economic and Workforce Development Center (Center) recognized early on that there was a need for a deeper understanding of regional labor market dynamics and continues to make great strides in this area.

The Center sources and develops labor market intelligence which is fed into a recently created web platform, [www.mcclmi.com](http://www.mcclmi.com). The platform is designed to provide actionable data to guide MCC’s work as well as educators, workforce developers and economic developers across New York State, by allowing them to apply occupational-based analyses within specific regions and workforce clusters. The analyses are focused on middle-skill occupations, and the information is used to better inform regional economic development strategy.

The Center’s analyses have been accepted across the Finger Lakes region, and into the Central and Western NY regions. This cutting edge work has been recognized by Washington Monthly which recently ranked MCC as one of the “Twelve Most Innovative Colleges for Adult Learners.”

## Inspire For Advisor Use in Guided Pathways Model

### Kim DeLardge, Director of Student Services, Downtown Campus

As part of the Civitas suite, Inspire for Advisor is a predictive analytic tool for use by staff and faculty who advise students in many different forms. MCC is currently piloting the software for the spring semester to determine its compatibility with our campus needs and systems.

Inspire uses a prediction model to place students in data buckets based on their persistence prediction levels; low, very low, moderate and high. Once identified in a persistence group data can be further parsed and divided by many other filters. Once cohorts are identified outreach and messaging can be crafted intended for that specific group.

Predictive tools such as IFA fit well within the framework of our schools and guided pathways model at MCC. School specialists, specifically, are using IFA as part of the pilot program to send targeted messages or nudges with content focused directly to their student populations. IFA allows specialists and advisors to leverage this precision to reach potentially at risk students proactively. At the same time IFA allows users to send encouraging messages to students who are progressing successfully toward completion. IFA provides context and deeper understanding for 1:1 interactions with students as well. Examples of nudge campaigns specialists and advisors have used in IFA are registration promotions based on persistence, reminders to complete major changes, congratulating high achieving students, to name a few.

The caution we must recognize with IFA in the guided pathways model is in the area of equity. Users have to use it with the understanding that the data does not predict success but predicts persistence to the next semester only.

IFA allows specialists and advisors to have the power of data in their own hands and be creative in their messaging and outreach. Several community colleges across the country are using IFA and have found success in lifting persistence and completion at their institutions.

**Questions about IFA and MCC's pilot? Please contact Kim DeLardge at [kdelardge@monroecc.edu](mailto:kdelardge@monroecc.edu).**



THANK  
YOU!

Over 100 students were advised at our event on April 28th. We have already received feedback that students loved the use of Degree Works notes!

If you would like help to incorporate Degree Works notes into your advising sessions, please contact Sally Dingee. Your students will thank you!

## Program Spotlight



### Go in a new direction: UP

LadderzUp is a partnership between Monroe County and Monroe Community College's Economic and Workforce Development Center. This collaborative workforce development effort is designed to serve Monroe County residents by providing educational and training opportunities aligned with current and future job openings in high-demand industries,

and provide County employers access to employee training and a pool of newly skilled workers seeking a career. Monroe County has invested \$355,000 in this initiative. More information is available at [www.monroecc.edu/LadderzUp](http://www.monroecc.edu/LadderzUp).

### Medical Office Assistant: Cohort-Based Program Ensures Success

The demand for medical office assistants is expected to grow by 11 percent in the next decade. MCC is meeting this anticipated need with a new cohort-based certificate program. All classes for the 30-week program will be held at the Downtown Campus.

In cohort-based programs, students attend the same classes together throughout the program. This model has proven effective in raising graduation rates and enhancing the quality of the student experience. Cohort-based models are influential in increasing student engagement through peer support systems when compared to non-cohort based programs.

Students study health care record-keeping procedures and use high-tech computer systems like those found in medical offices. They learn to effectively communicate with patients and health care professionals, and take introductory courses in biology, medical terminology, drugs, and emergency care.

Students are eligible to apply for assistance through NY Inspire, which offers support services based on the individual needs of each student, and may include scholarships. Classes are held during the day and are done by 3 p.m., making this program ideal for stay-at-home parents who need to be available to their children after their school day ends.

### Secondary Partnerships for Vocational Technical Education

#### Students earn high school and college credit on the way to a technical career

Through this program, high school students are able to enroll in MCC courses while attending high school. The economic and workforce development division has partnered with 30 school districts to offer 16 courses in precision machining, engineering, hospitality, information technologies and more. Recently, two local charter schools for young men, Vertus and University Preparatory (U Prep), added our career technical education pathways to their curriculum. Vertus started by enrolling a small group of students in the precision machining program at the Applied Technologies Center last fall. They will continue in the spring by taking two dual enrollment classes in Blueprint Reading and Machine Shop Theory. U Prep has opted for a similar pathway.

Dual enrollments continue in the Rochester City School District. Four dual enrollment machining classes continue at WEMOCO, BOCES 1 Fairport, Wayne BOCES and Finger Lakes BOCES.

### Empowering Workers and Enriching the Finger Lakes Economy

#### Don't just train. Transform.

We offer training and development opportunities – credit and noncredit – for workers spanning from entry level and career changers, to senior executive-level leadership. MCC has one of the most comprehensive offerings in degree and noncredit career and technical education programming in New York State. We harnesses the power of these diverse programs to develop workers ([www.workforceforward.com](http://www.workforceforward.com)).

## Schools @ MCC Contacts

### Applied Sciences & Technologies

Paul Brennan, *Faculty Liaison*  
Lomax R. Campbell, *School Specialist*

### Arts & Humanities

Marisol Galarza-Ruiz, *Faculty Liaison*  
Vicki Pankratz, *School Specialist*

### Business & Entrepreneurial Studies

Mohammed Partapurwala, *Faculty Liaison*  
Steve Palmer, *School Specialist*

### Community Engagement & Development

Susan Bender, *Faculty Liaison*  
Amy Coon, *School Specialist*

### Health Sciences & Physical Wellness

Cristin Finch, *Faculty Liaison*  
Becky Babcock, *School Specialist*

### Science, Technology, Engineering, & Math

Mark Bellavia, *Faculty Liaison*  
Krista Tyner, *School Specialist*

### Social Sciences & Global Studies

Beth Wilson, *Faculty Liaison*  
Susan Warner, *School Specialist*

### Schools Implementation Lead

Jessica Wilkie  
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## Workforce Development

The team works to extensively assess clients' learning needs. Then, design a way to meet them—even creating new coursework to keep pace with the changing skill requirements of regional employers. We provide choices for individuals ranging from computer skills and IT certifications to project management, Lean Six Sigma, leadership training and much more—including courses that earn college credit. Instruction prepares individuals for career advancement and job opportunities. Several courses prep participants for certification exams that lead to industry-recognized credentials. In the past year, our Lean Six Sigma training has helped nearly 100 regional companies realize \$26 million in savings from projects completed through various Lean Six Sigma applications. The program has graduated 93 Black Belts and 70 Green Belts to date.

## Corporate Employee Training and Development

Tailored-training design, development and delivery by instructors with advanced subject matter expertise. We cover everything needed from the boardroom to the factory floor. Our forte is customized contract training—noncredit and credit programs—for companies and organizations .

## UPCOMING EVENTS

- ⇒ **Memorial Day: College Closed, Mon 5/28**
- ⇒ **2018 Honors Convocation, Thurs 5/21 3p, BC MCC Theatre**
- ⇒ **MCC'S 55th Annual Commencement, Sat 6/2 9:30a, Blue Cross Arena**
- ⇒ **School of HSPW Advisement and Registration Event, Wed 6/6 4p-6p**
- ⇒ **School of AST Advisement and Registration Event, Tues 6/12 4p-6p**
- ⇒ **Advising Diverse Populations Webinar, Tues 6/12 9:30a-11a, BC 8-330 DC 352**
- ⇒ **School of BE Advisement and Registration Event, Tues 6/19 4p-6p**



## Faculty Senate 5th Annual Professional Development Week June 4-8, 2018

This year's event will feature an array of programming for faculty and staff. Highlights include: multiple training sessions and workshops; an emphasis on diversity, equity, and inclusion; numerous sessions aimed at improving student success in the classroom, through advising, or with the use of data; and several workshops dedicated to personal well-being.

For more information and the full week's program, you can [read the announcement in the Daily Tribune](#) or visit the Professional Development Week folder of the "Awards, Professional Leaves, and Professional Development Events" section of the Faculty Senate Blackboard page.