

# MONTGOMERY COLLEGE

## WORKS FOR MONTGOMERY COUNTY



### BUILDING MONTGOMERY COUNTY'S HOMEGROWN WORKFORCE

Montgomery College prepares the homegrown talent who energize our economy as they innovate, lead, and work in industries across the county and region. Each year, the College enrolls more than 46,000 students in degree and certificate programs. It provides the affordable, high-quality education and training that enables students to become nurses, teachers, engineers, cybersecurity technicians, and lab bench workers. **With 87% of alumni remaining in the county, MC all-in contributes \$1.4B to the local economy.**

The College ensures that Montgomery County employers like GSK, Johnson Controls, Lockheed Martin, Pepco, and Westat are able to find qualified workers when they need them. MC alumni work at the National Institutes of Health, Marriott, IBM, Euro Motorcars, NIST, Suburban Hospital, Adventist HealthCare, Kaiser Permanente, Holy Cross Health, Montgomery County Public Schools, Celera Genomics, and many other organizations.

Since 1946, MC has been adapting to the community's needs, bridging talent with opportunity—especially during uncertain times. Today, **displaced federal workers** have access to job fairs, resume reviews, and interview and career coaching. They may earn college credit for their federal work experience and/or military training, saving them time and money toward a degree or other credential.

For residents looking to upskill or reskill, MC offers **fast-track training and certificate programs** in cybersecurity, cloud computing, and project management. Scholarships and financial aid are available.

### PREPARING TALENT WITH IN-DEMAND SKILLS

Montgomery County's future workforce earns career skills through a combination of classroom instruction and experiential learning. For example, MC students intern at the **National Institute of Standards and Technology (NIST) through the Professional Research Experience Program** partnership. They conduct research on real-world projects with scientists in NIST labs.

At all MC locations, students learn using tools and technology they will encounter in the workplace. Equipment and faculty in modern bioscience, cybersecurity, and medical labs, and in industry-approved automotive bays, HVAC labs, and maker spaces with 3D printers, ensure they accrue valuable credentials and certifications.

**Apprenticeships** let students earn while learning in-demand professional skills. A new biotech apprenticeship, created with AstraZeneca and Charles River Laboratories, prepares residents for careers in the field. **The Gudelsky Institute for Technical Education (GITE)** offers degrees, certificates, and trade apprenticeships in automotive technology, HVAC, construction, and more. In partnership with Montgomery County Public Schools, high schoolers can also train as apartment maintenance technicians through MC's youth apprenticeship program.

Many residents with **limited English language abilities** can upskill through MC's free short-term training to become medical assistants, apartment maintenance technicians, and pharmacy assistants through the College's MI-BEST program.

### MC ALUMNI: JOB CREATORS, BUSINESS LEADERS, INNOVATORS, AND ENTREPRENEURS

Across Montgomery County, these MC alumni and top executives generate jobs, employ workers, and help drive the local economy forward.



#### BUSINESS LEADER

**Carl Buch**  
President,  
Buch Construction

Buch Construction specializes in life sciences, corporate, and retail construction and employs 160 people.



#### INNOVATOR

**Sol Graham**  
Founder, Quality Biological, Inc.

Quality Biological, Inc. employs 30 people to develop and manufacture high-quality research elements.



#### ENTREPRENEUR

**Sarah Dwyer**  
Owner, Chouquette Artisan Chocolates and Confections

Chouquette supplies stores with gourmet chocolates and creates custom-designed chocolate.



## MEETING DEMANDS FOR SKILLED TALENT

Montgomery College offers programs that prepare students to earn a bachelor's degree or enter the workforce.

- Biotech
- Cloud Computing
- Cybersecurity
- Engineering
- Health Sciences
- Information Technology
- Life Sciences
- Networking Technology
- Project Management
- Professional Entrepreneurship
- Small Business Entrepreneurship

## WHERE MC'S ALUMNI WORK

- Accenture Federal Services
- Adventist HealthCare
- Amazon Web Services
- BAE Systems
- Booz Allen Hamilton
- Capital One
- CareFirst
- GEICO
- Holy Cross Health
- Lockheed Martin
- MCPS
- Microsoft
- Montgomery County
- PricewaterhouseCoopers
- U.S. Securities and Exchange Commission



## QUALITY STEM FACILITIES: BUILT FOR THE WORKFORCE

Montgomery County's future scientists, nurses, engineers, IT and cyber professionals learn in labs at all three campuses and the **East County Education Center** that are equipped with the same technology and equipment used in professional settings.

Pictured above (left): Catherine and Isiah Leggett Math and Science Building, Takoma Park/Silver Spring Campus, (right): East County Education Center nursing lab

## MC ALUMNI FUEL THE ECONOMY

### Shruti Mistry



**Biomedical Engineer, Food and Drug Administration** Montgomery College, Georgia Institute of Technology, Johns Hopkins University

### Yves Lumir Njonkou



**Process Engineer and Chemical Lab Manager, Sensemics, Inc.** Montgomery College, University of Maryland

### Dimitri Tselenchuk, Ph.D.



**Senior Scientist I, Meso Scale Diagnostics, LLC** Montgomery College, University of Maryland, Johns Hopkins University

## PARTNERSHIPS SPUR ECONOMIC GROWTH

Innovation and education converge on campus via **PIC MC**, the College's life sciences and tech hub. Tenant companies—including Holy Cross Hospital, Hughes Network Systems LLC, and the Montgomery County Innovation Center—provide opportunities for students to get hands-on training in targeted industry sectors (biotechnology, cybersecurity, health sciences and information technology). These programs complement the general education and traditional studies offered at all MC locations.



## ACADEMIC EXCELLENCE, WORKFORCE READINESS

- **Labor Market Data from Lightcast** helps MC create and align programs with industry needs.
- **MC Offers 42 Online Programs** including degrees such as cloud computing and graphic design, and certificates in data science.
- **Programs for Entrepreneurs**—Students gain financial and business education at the Macklin Business Institute, Southern Management Leadership Program, and special short-term business certificate programs.
- On campus, the **igniTe Hub** (Innovative Growth in Next Generation IT Empowerment) provides IT/technology training and entrepreneurship opportunities—including bilingual programming—to residents preparing to enter an IT career pathway. Additionally, hundreds of MCPS middle and high school students learn coding skills through the **Montgomery Can Code** camps.
- **Career Coaches for High Schoolers**—MC partners with MCPS and WorkSource Montgomery on a career coaching program that introduces K-12 MCPS students to career pathways early so they can plan ahead.