MONTGOMERY COLLEGE
FUELING THE WORKFORCE

Degrees, Certificates, Apprenticeships, and Training

Montgomery College (MC) serves 55,000 students annually in credit and noncredit programs, as well as customized/contract business training, establishing MC as one of the largest public institutions in Maryland. Because the US Bureau of Labor Statistics predicts growth in many industry fields that do not require a four-year degree in the next decade, Montgomery College will be delivering training and education that helps residents grasp the ladder of opportunity, and fuels productivity in the workforce.

MC serves a diverse student population—especially the underserved and historically underrepresented (women and people of color). Whitman to Wheaton high schools send students to MC, and people of color make up 77 percent of the students at three campuses. It is the most affordable and flexible option for county residents who are often balancing real-life demands with higher education and skill acquisition. They are switching careers midstream, studying at night while working full time or raising a family, or learning a new language. Some are unemployed, underemployed, or struggling with a disability.

Agility and relevance define the College's vision for serving county residents and employers. More than 130 degree and certificate programs help students master skills that drive the local economy. In addition to its three main campuses in Germantown, Rockville, and Takoma Park/Silver Spring, MC has 16 Workforce Development and Continuing Education locations for business training and other classes, including two training facilities—one in Gaithersburg and one in Wheaton—and 13 locations throughout the county in Olney, Bethesda, Rockville (three sites), Gaithersburg (four sites), and Silver Spring (four sites).

MC: BUSINESS-MINDED AND BUSINESS FRIENDLY

Montgomery College has a long and successful record of business partnerships throughout Montgomery County. As a community college with a vision, MC was the first in the nation to receive approval to attract outside development opportunities as a part of its campus growth. Business partnerships have resulted in quality and effective training programs for industry, entrepreneurs, and county residents.

- The **Germantown Innovation Center**, a county-operated incubator with 45 offices and 11 wetlabs, opened in 2008. It has housed hundreds of startup companies, including now-established businesses: CLC Bio (now a Qiagen Bioinformatics company); GeneWiz (now a Brooks Life Sciences company); and KCRN Research (now based in Germantown).

- The **Pinkney Innovation Complex for Science and Technology at Montgomery College** (PIC MC), a RISE Zone development area, offers up to 27 acres for land-lease/build-to-suit buildings and up to 700,000 square feet available for commercial development for life sciences and technology companies. The first major corporate attraction was **Holy Cross Hospital**, a full-service care facility with an adjacent medical building.

- A professional relationship with the **Marriott Corporation** has resulted in a pipeline for food service and hospitality workers for the region.

- The **Macklin Business Institute**, founded by former NASDAQ founder and president, Gordon Macklin, has funneled hundreds of future business leaders and entrepreneurs into the workforce.

- MC's partnership with **Amarex Clinical Research** has helped fill a gap by supplying project managers and clinical trial professionals for the pharmaceutical industry. The program that began as a contract training opportunity has now become one of the College's most successful career placement pathways.

- MC partnered with **Montgomery County Department of Housing and Community Affairs** in 2018 to form a program for workers in the senior housing industry. Courses are taught by local experts: a state's attorney, a senior director at the Jewish Council for the Aging, and a technology expert from the University of Maryland School of Medicine.

- **Curricula align with industry needs.** MC faculty members sit on numerous industry-led advisory boards—they work to align MC training with industry needs with dozens of industries in Maryland. By constantly aligning College curricula with industry standards and best practices, MC prepares students for certification exams and offers practical experience that increase their employability and mobility within industries.

To read more, visit montgomerycollege.edu/business-partners-employers

MEETING DEMAND FOR SKILLED WORKERS

Although Montgomery County residents are among the highest percentage of degree holders in the nation, recent statistics show the growing trend for individuals who are trained and career-ready in fields such as **health care/nursing, biotechnology, cybersecurity/ engineering, hospitality, small business,** and **building services**. For many occupations, an associate's degree or a technical certificate can move people into mid-level jobs. These industries hold high potential for workforce development in our area.

Information Technology and Cybersecurity

IT and cybersecurity programs at MC have been recognized by the National Security Agency and the Department of Homeland Security as a National Center of Academic Excellence in Information Security Two-Year Education. In-county employers, including Booz Allen Hamilton, Hughes Network Systems, IBM, and Lockheed Martin rely on MC for new, qualified hires. *Faculty members report that employers frequently come to them looking to hire students with animation, web development, and game development skills. Program graduates work at local game industry employers like Bethesda Software and Zenimax Online.*

Biotechnology, Life Sciences, and Health Care

Maryland is a global leader in bioscience and technology education and ranks among the top five regions nationally in biotechnology. The College's biotechnology program emphasizes applied laboratory skills relevant to the industry— and MC students who complete programs are placed directly into full-time, entry-level jobs at biotechnology partner companies, area hospitals, and research institutions.

Building, Professional, and Human Services

MC supplies licensure courses for working professionals, including real estate agents, insurance sales agents, property leasing managers, environmental protection and safety standards professionals, home inspectors, food servers (SafeServ) and event management, taxi and truck drivers (commercial driver's license, CDL), and home improvement contractors.

Homer S. Gudelsky Institute for Technical Education

The Gudelsky Institute, home to many industry collaborations, has been providing state-of-the-art technical education and training for more than 25 years. It offers programs in automotive technology, building and construction technology, green building and sustainability management, digital fabrication, and workforce technologies, which support apprenticeship-related instruction programs offered by various sponsoring organizations, unions, and trade associations. Students can take courses for credit or noncredit, depending on individual goals (e.g., degree/ certificate or professional development).

Small Business/Entrepreneurship

Specialized programs at MC, such as the Hillman Entrepreneurs and the Macklin Center for Entrepreneurship, help students start a new business or grow an existing one. Training includes nuts-and-bolts basics with accounting, writing business plans, human resources, networking, critical computer skills, financial planning, and hands-on experience. For noncredit students, the Entrepreneurship and Innovation Certificate program is led by faculty who are also local and regional entrepreneurs.

Business and Hospitality

With Host Hotels, Marriott International, Choice Hotels, Ritz Carlton, Sodexo Services, and others headquartered in Montgomery County, MC trains thousands annually to work in hospitality and the food service/beverage industries. Management training and certifications give those already working in hospitality and other businesses access to leadership positions. Popular topics and certifications including workplace ethics, effective business writing, conflict management, and leadership skills for supervisors and project managers.

Customized/Contract Training

Customized training has been one of the most successful WDCE ventures—for businesses of all sizes. Options include individual training and team training at the company's site or at one of several MC locations.

MC programs offer high-quality, targeted training for businesses seeking to upskill and reskill workers/increase worker retention; create a culture of top-flight management and a respectful workplace; and stay competitive in their industries.

Clients include: Amarex (clinical trial project management); MedStar Montgomery Hospital (Excel and Sharepoint); InfoSys (Java programming boot camps for new employees); City of Gaithersburg (management and leadership); Montgomery County government (management and soft skills); and City of Rockville (instructor led and online management training). Also, partners include Washington Area New Automobile Dealer Association , Maryland Department of the Environment, CarQuest, and AC Delco.

To read more, visit montgomerycollege.edu/business-partners-employers/mc-business-solutions/index.html

CONTINUING EDUCATION

MC serves the whole community—from age 3 (Early Childhood Education students) to 103 (Lifelong Learning Institute students) at all levels of ability.

For Entrepreneurs and Small Business Owners, the Nonprofit Training Institute offers courses for experienced and new nonprofit professionals. Courses are tailored to a specific topic, such as Nonprofit Leadership Boot Camp, but open to all students from all levels of experience. The institute is expanding plans to offer new courses each fall.

For Job Training Paired with ESL, the College offers numerous programs for learning English, including Adult ESOL (English as a Second Language) and ELAP (English Learning for Academic Purposes). Grant-funded programs/courses that place English language instruction in the context of specific vocations include: English as a Second Language (ESL) for Health Care Jobs and ESL for Building Trades Jobs, Certified Apartment Maintenance Technician, and Geriatric Nursing Assistant. Job placement in these areas have exceeded 70 percent upon completion. These courses run under the MiBEST (Maryland Integrated Basic Education and Skills Training) program and include digital literacy instruction, job readiness training, and employment placement services. Key business partners, such as The Bozzuto Group, Equity Residential, Winn Residential, Avalon Bay, Kensington Park Senior Living, Sunrise Senior Living, NMS Healthcare, Manor Care, and Hebrew Home are actively involved with MI-BEST programming and hire MI-BEST program graduates.

For Spanish-Speaking Businesses, the Hispanic Business Training Institute teaches courses in Spanish. The institute is celebrating its 20th anniversary and has a broad-based advisory council that includes representation from the Montgomery County Economic and Development Corp. (MCEDC) and Washington Metropolitan Area Transit Authority (WMATA), and the College's Community Engagement Office.

For Early Childhood Education (ECE) Teachers, MC offers a range of degree/certificate and noncredit programs for those who want to work in ECE as teachers, child care center directors or staff. Noncredit classes meet the Maryland State Department of Education Training requirements. Most ECE classes in English and Spanish can also be delivered as customized/contract training.

For Incarcerated Students, MC provides courses at the Montgomery County Correctional Center and at the county's Pre-Release Center in Rockville. In the two-and-a-half years since MC partnered with the centers, 89 people have completed their GED. MC also provides inmates Adult Basic Education; English as a Second Language courses; digital literacy training and basic computer skills; and certificate programs in hair care and food service.

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Accounting
Adult Basic Education/GED
Advertising Art/Illustration
Applied Geography/Geographic Information Systems
Apprenticeship Programs
Automotive Technician Training
Architectural Technology
Automotive Technology
Biotechnology
Biotechnology Certification
Building Trades Technology
Business and Entrepreneurship
Carpentry
Certified Apartment Maintenance Technician
Certified Nursing Assistant
Commercial Driver's License
Computer Applications
Computer Gaming
Computer Graphics
Computer Networking
Computer Programming
Computer Repair
Computer Science
Construction Management
Criminal Justice
Cybersecurity

Diagnostic Medical Sonography
Dental Assistant
Early Childhood Education/Childcare
Electrician
Emergency Medical Technician
Engineering
Engineering Technologies
Fire and Emergency Services Management
Food Safety Certification
Graphic Design
Green Energy and Sustainability Management
Health Information Technology
Heating, Ventilation, Air Conditioning, and Refrigeration
Hispanic Business and Training Institute
Home Care Companion
Home Inspection
Hospitality
Hospitality Management
Human Resources
Information Systems
Insurance
Interior Design
Landscape Technology
LEED AP

Management and Supervision
Medicine Aide
Mental Health Associate
Microcomputer Technician
Network Engineering Certification
Nursing
Paralegal Studies
Pharmacy Technician
Phlebotomy Technician
Photography
Physician's Office Assistant
Physical Therapist Assistant
Personal Trainer
Polysomnography
Project Management
Radiologic Technology
Radio/Television
Real Estate Licensure Preparation
Small Business and Entrepreneurship
Sterile Processing Technician
Surgical Technology
Technical Writing
Theatre
Transportation Safety
Veterinary Technician
Web Careers
Webpage Design
Welding

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