



Mount Wachusett
Community College

Devens Campus, One Jackson Place, 27 Jackson Rd., Devens, MA 01434

Biotechnology Programs

(*Credit)



SUPPORTED BY
THE U.S. DEPARTMENT OF LABOR

Funded, in part, by a grant awarded under the President's Community-Based Job Training Grants, as implemented by the U.S. Department of Labor's Employment and Training Administration.

IN THIS PACKET: *Only our credit biotechnology programs will be described in this packet. This packet includes a Quick List Guide and Info. Session schedule and a college application. For information on our non-credit biomufacturing program go to <http://www.mwcc.edu/PDFs/BiotechNoncreditInfoPacket.pdf> to view and print an information packet or contact Tami Morin at t_morin@mwcc.mass.edu or (978) 630-9578.

Note: Students may enroll in any certificate or degree credit courses without participation in the Department of Labor Grant.

Information Packet & Application

October 22, 2010

Biotechnology programs are offered at the Devens Campus.



An industry expected to experience substantial growth in the near future and continuing for a number of years is the Biotechnology/Biomanufacturing sector of the pharmaceutical business. Job opportunities will exist for graduates of two and four year colleges or those with defined biotech/biomanufacturing skill sets. With potential employment in a number of technician positions, advancement can be expected as well as tuition support for further education.

The dawn of biotechnology occurred with the production of human insulin around 1970. Since that time, hundreds of millions of dollars have been spent on research and development and the biomanufacturing of drugs which will continue to impact humanity for decades into the future. The past two decades have resulted in an explosion of knowledge of DNA through a government and private industry sponsored program called the “Human Genome Project.” This project, essentially completed, allowed the mapping of genes (DNA) on each of the 46 human chromosomes present in human cells. Such information will allow the development of medications to foster better health and the treatment of specific diseases, heretofore deemed untreatable. In addition to the Human Genome Project, scientists have modified crops and animals, using DNA studies, to produce better and healthier agricultural products for the growing world population.

Mount Wachusett Community College was awarded a Department of Labor Workforce Development grant. This grant will support the establishment of biotechnology/biomanufacturing training labs at the Devens campus and allow the college to increase enrollments in the curriculum. Mount Wachusett Community College has three Biotechnology/Biomanufacturing programs; one year certificate, two years associates degree and twelve week noncredit Biomanufacturing Workforce Training Program. Courses are offered day or night at the Devens campus.

IN THIS PACKET: Only our credit programs will be described in this packet. For information on our non-credit biomanufacturing program go to <http://www.mwcc.edu/PDFs/BiotechNoncreditInfoPacket.pdf> to view and print an information packet or contact Tami Morin at t_morin@mwcc.mass.edu or (978) 630-9578.

Credit: Biotechnology programs:

- Biotechnology one year certificate
- Biotechnology two year associate degree

Financial assistance may be available for those who qualify. For complete information about the federal and state student financial assistance programs available to MWCC students, stop by or call the financial aid office in Gardner or call (978) 630-9169. By applying for aid early, students will have more information earlier to determine the actual amount they will have available to pay for the necessary expenses. <http://www.mwcc.edu/catalog/financialaid.html>



Technical Positions



Our curriculum will result in a bench level technician capable of employment in a number of positions in the biotech/ biomanufacturing industry, with entry level salaries of \$30,000 or more. Some of these technical positions include:

Manufacturing Technician -Upstream

Responsible for assisting manufacturing in specific product-related operations in cell culture and growth. Operates and maintains production equipment as it relates to cell culture (i.e., cell harvests and separation operations). Also performs fermentation. Operates and maintains production equipment related to fermentation (e.g., fermenters, bioreactors, centrifuges). Weighs, measures, and checks raw materials to assure proper ingredients and quantities. Prepares media and buffer components. Maintains records to comply with regulatory requirements and assists with in-process testing.

Manufacturing Technician -Downstream

Responsible for setting up area operations, performing according to SOPs, and following electronic work instructions in accordance with a GMP environment to manufacture biopharmaceutical drug substances. Responsibilities include cleaning-in-place (CIP) and sterilizing-in-place (SIP) of equipment, column chromatography, ultrafiltration, diafiltration, conducting protein purification operations, monitoring control devices, and executing any other related operations pertaining to the process area. Also maintains records to comply with regulatory requirements and assists with in-process testing.

Chemistry QC Technician

Performs a variety of inspections, checks, tests, and sampling procedures for the manufacturing process according to standard operating procedures (SOPs). Performs in-process inspection and documents results. Monitors critical equipment and instrumentation. Writes and updates inspection procedures and checklists as necessary. Requires knowledge of current good manufacturing practices (GMPs).

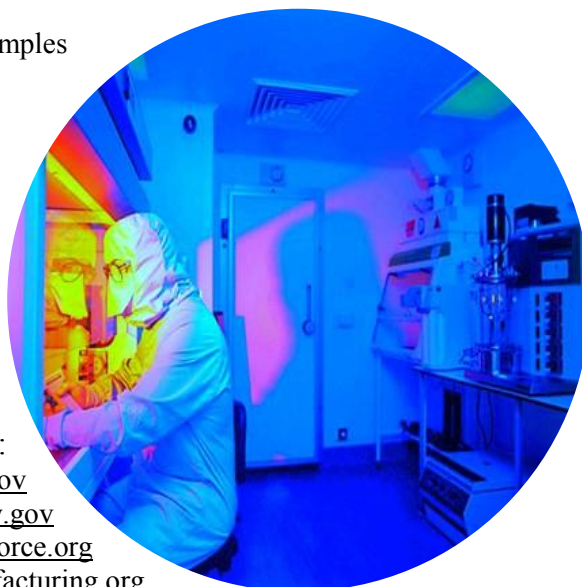
Microbiology QC Technician

Performs routine microbiological testing of raw materials, in-process samples and finished formulations according to Standard Operating Procedures (SOPs). Conducts routine environmental monitoring of GMPs, manufacturing areas, equipment and processes according to established procedures. Calibrates and maintains microbiology laboratory equipment. Compiles and analyzes data for documentation of test results and prepares related reports. Revises and updates SOPs as necessary.

Source: Massachusetts Biotechnology Council's Overview of Industrial Jobs <http://www.bio-link.org/issuesWorkforce.htm>

Additional Websites of Interest:

www.genome.gov
www.genomics.energy.gov
www.biotechworkforce.org
www.biomanufacturing.org



www.bio-link.org
www.ornl.gov

Biotechnology - one year certificate

Our curriculum offers a solid foundation in chemistry and biology, classes which also apply to the college's two year associate degree. Classes will follow the normal, two semester college schedule. Please see the MWCC College catalog for the academic calendar. <http://www.mwcc.edu/catalog/calendar.html>



Note: This program is designed to be completed in two semesters, starting in the Fall.

Is this program section 30 eligible through the DUA (Division of Unemployment Assistance)?

Yes. You may be eligible to receive additional weeks of unemployment insurance benefits while you are attending approved full-time training and not be required to look for work during this time. But, you must apply to DUA by your 15th paid week of unemployment insurance (UI) benefits. If you are receiving unemployment insurance benefits, you should speak with your employment advisor about all related issues and courses of actions.

I am receiving Unemployment Insurance (U.I.) benefits. How does this impact the process? MWCC is not responsible for, nor well-versed in, the requirements and programs associated with the Division of Unemployment Assistance, the Workforce Investment Board, One Stop Career Centers, or other organizations. Thus these issues must be addressed with the appropriate resources.

Career options: Graduates can pursue technician-level positions throughout the biomanufacturing industry. Earning potential: \$34,000 to \$42,000 per year.

Number	Suggested Course Order	Cr.	Prerequisites/Notes
BTC101	Introduction to Biotechnology	4	ENG100, RDG100, MAT096, or placement
BTC102	Basic Solution and Media Preparation	3	ENG100, RDG100, MAT096, or placement
CHE203	Introduction to Inorganic, Organic and Biochemistry	4	ENG100, RDG100, MAT096, or placement
MAT126	Topics in Mathematics	3	MAT096 or placement
BIO160	Principles of Biochemistry	4	ENG100, RDG100, MAT096, or placement; CHE203 (pre or co-requisite)
BTC120	Biotech Experience: Biomanufacturing	4	BTC101, 102, CHE203, BIO160 (co-requisite)
BTC200	Biotechnology Seminar	3	Completion of all BTC (or co-requisite) courses and/or permission of instructor
	Professional Elective	3/4	BTC110, BIO109, BIO205, CHE107, CHE108, CIS127, ENG106, HUM212, MAS308, MAT143 or higher

Total: 28/29

Biotechnology - two year associate degree

This program is a sequential set of courses which requires preparation in science, chemistry, writing, mathematics, and biotech/biomanufacturing. Review the MWCC college catalog for courses offered (which may differ slightly from those required in the certificate program). Career options: Graduates can pursue technician-level positions throughout the biomanufacturing industry. Earning potential: \$40,232 to \$53,206 per year. Please see the MWCC College catalog for the academic calendar. <http://www.mwcc.edu/catalog/default.html>



Number	Suggested Course Order	Cr.	Prerequisites/Notes
BIO109	General Biology	4	MAT092, RDG100 or placement
BTC101	Introduction to Biotechnology	4	ENG100, RDG100, MAT096 or placement
CIS127	Computer Technologies	3	MAT092, RDG100 or placement
CHE203	Introduction to Inorganic, Organic and Biochemistry	4	ENG100, RDG100, MAT096 or placement
ENG101	English Composition I	3	ENG100
HUM212	Medical Ethics	3	MAT092, RDG100 or placement
BIO160	Principles of Biochemistry	4	MAT096 or placement, CHE203
ENG102	English Composition II	3	ENG101
BTC102	Basic Solution & Media Preparation	3	ENG100, RDG100, MAT096 or placement
	General Elective	3	Electives: Any course (see page 64 for exceptions)
BTC110	Biotechnology Experience I: Concepts and Procedures	4	BTC101, BTC102; BIO160
	Professional Elective	3	Electives: CIS or consult advisor
MAT143	Probability and Statistics	3	MAT096
PER126/130	Health, Fitness, & Wellness Elective	2/3	Prerequisites: MAT092, RDG100, or placement Note: PER130 is recommended for transfer
	Social Science Elective	3	Electives: ANT, DSI, PSY, SOC, GEO, HIS, POL, ECO, SSC
BTC120	Biotechnology Experience: Biomanufacturing	4	BTC110
BIO170	Cell Biology	4	BIO109 or BIO205
BTC200	Biotechnology Seminar	5	Completion of all BTC (or co-enrollment) courses and/or permission of instructor

Total: 60/61

<http://www.mwcc.edu/catalog/btd.html>

Would you like to learn more about our programs?

Biotech Information Sessions!



Our information sessions provide a great deal of valuable information on all three of our programs. You will have an opportunity to meet our instructors, see our facilities first hand and ask questions to help guide you in the right direction and decide which program is right for you.

Info. sessions are held at the Devens campus
5:30 pm -6:30 pm on the following days.
Select a day that best fits your schedule.

To register, contact Tami Morin at t_morin@mwcc.mass.edu or (978) 630-9578.

❖ Mon. Oct. 25, 2010 ❖ Mon. Dec. 6, 2010 ❖ Mon. April 11th

Note: Additional information sessions may be available. Call for details.

Directions to the Devens campus:

One Jackson Place, 27 Jackson Road, Devens, MA 01434

- From **Route 2 East** take **exit 37B**.
- From **Route 2 West** take **exit #37**.

You will be on Jackson Road. Approximately 1 mile up you will see an intersection/traffic lights. After the intersection, take your first left. You will see a sign for MWCC. Free parking is available.

Quick List

MWCC Main page: <http://www.mwcc.edu/default.html>

Biotech Applications and Brochures: <http://www.mwcc.edu/programs/ns/default.html#BiotechApps>

Tami Morin, Administrative Assistant (978) 630-9578

John Henshaw, Program Manager (978) 630-9468

Lara Dowland, Dept. Chair/Assist Professor (978) 630-9572

How do I apply?

Admissions Application:

First, you must apply to the college by completing a college admissions application. Since both of these biotechnology programs are not a selective at this time, you will be accepted, provided you meet any overall college requirements. Visit or call the college's Admissions Office (978) 630-9110 or go to <http://www.mwcc.edu/info/apps.html> to print an application or to apply on line.



College Placement Test:

After you have submitted your college application and have been accepted to MWCC, you may schedule a (computerized) college placement test by contacting the College's Gardner Testing Services Office at (978) 630-9244. <http://www.mwcc.edu/services/testing/CPT.html>

If you would prefer to take your test at the Devens campus, call (978) 630-9569. The test will determine your entry level skills in reading, writing, and mathematics.

Note: Unless you have previous college experience either at MWCC or another institution, you will be required to take the college placement test. You will need to complete MAT 096 (a.k.a. MAT 121) during your first semester because many of the upper level biotech courses require MAT 120 or 121 as prerequisites.

Advising and Registration:



After your placement test results are determined, you will be able to meet with an advisor and register for classes. Call the Devens campus to schedule an appointment to meet with an advisor (978) 630-9569.

If placement testing is not necessary, as determined by the college, you may register for classes immediately following your acceptance into MWCC. Enrollment Services will aid you in choosing classes or may connect you to an advisor directly related to the biotech curriculum. You may call Gardner at (978) 630-9238 or Devens at (978) 630-9578.



Funded, in part, by a grant awarded under the President's Community-Based Job Training Grants, as implemented by the U.S. Department of Labor's Employment and Training Administration.

We collect information to serve you. We use the information we collect as permitted by law. Your response to these questions is voluntary, but important to help us comply with the law. Your responses will not affect your participation in the program.

Your information is confidential.-Federal laws and Massachusetts' Community College policies protect the privacy of individual social security numbers by limiting the conditions under which they are collected, used and disclosed.

We protect your information.-The Massachusetts' Community Colleges maintain practices to ensure the security and confidentiality of your personal information, including SSN. We do not use your SSN as your student ID number – each student has a unique MWCC/Banner ID number instead. Access to your SSN is strictly limited to those staff that have a legitimate need to use the information in the normal course of performing their duties.

We use this information to comply with U.S. Department of Labor (USDOL). The Massachusetts' Community Colleges were awarded a grant under the Community Based Job Training Grants, as implemented by the U.S. Department of Labor's Employment and Training Administration, to increase completion rates in healthcare certificate programs and open pathways to degrees and higher-wage jobs. The USDOL requires that we collect personal identification, demographic and employment information on biotechnology/biomanufacturing participants to comply with federal policies and assess program outcomes. They compile this information to share with Congress and other state and federal agencies.

Your Social Security Number- Your Social Security Number is requested to meet the requirements of the Workforce Investment Act of 1998: *Workforce Program Reporting* – In order to meet the requirements of the Workforce Investment Act of 1998, Section 122, we may use your SSN to compile summary reports related to education programs offered at the college, including both credit and non-credit programs, which support training, placement and retention of students in employment. Having your SSN will allow us, following federal and state guidelines, to match your educational record and progress with your individual wage record to compile the required WIA reports. Your wage record information is confidentially maintained, based on your SSN, by the State of Massachusetts and will not be disclosed to any person or entity unless legally permitted.

Application committee- will carefully review applications based on our selection process in a fair and just manner. Additional documentation and/or testing may be required.

Equal Opportunity Disclaimer:

RACE, COLOR, SEX, NATIONAL ORIGIN: Title VI of the Civil Rights Act prohibits discrimination on the basis of race, color or national origin in programs or activities receiving Federal financial assistance. Employment discrimination is covered by Title VI if the primary objective of the financial assistance is provision of employment or where employment discrimination causes or may cause discrimination in providing services under such programs. Title XI of the Education Amendments of 1972 prohibits employment discrimination on the basis of sex in educational programs or activities which receive Federal assistance.

INDIVIDUALS WITH DISABILITIES: Section, 504 of the Rehabilitation Act of 1973, as amended, prohibits employment discrimination on the basis of disability in any program or activity which receives Federal financial assistance in the federal government, public or private agency. Discrimination is prohibited in all aspects of employment against persons with disabilities who, with or without reasonable accommodation, can perform the essential functions of a job. If you believe you have been discriminated against in a program of any institution which receives Federal assistance, you should contact immediately the Federal agency providing such assistance



Attendance Information

I plan to begin classes:

Fall, Sept. (Yr.) Spring, Jan. (Yr.) Summer, May (Yr.) or July (Yr.)

Have you ever attended/applied to Mount Wachusett Community College? yes no

If applied only, in what year? If attended, last year of attendance:

Social Security Email Address:

Name Last Name First Name Middle Initial Previous Last Name

Mailing Address: Street & Apt. # or P.O. Box

City State Country Postal/Zip code

Permanent Address: Street & Apt. #

City State Country Postal/Zip code

Telephone Numbers: Home () Work () Cell ()

Gender (optional): Male Female Date of Birth (optional): Birthdate / /

Citizenship (REQUIRED): Country of Birth Country of Citizenship

I am a U.S. Citizen

I am a Non-Citizen. My current status is: (check all that apply)

- Resident Alien (presentation of card required)
In the country with a (presentation of current visa required)
visitor visa student visa other
I wish to obtain a student visa

(must submit International Student Application with additional documentation)

Personal Information

Ethnic Background: Please help us to determine how well MWCC serves our region by completing the following question. Do you identify yourself as:

Hispanic or Latino Not Hispanic or Latino

Race: Select one or more races to indicate what you consider yourself to be.

American Indian or Alaskan Native Asian Black or African American White Cape Verdean

Native Hawaii or Pacific Islander

Marital Status (optional): Married Single Divorced Separated

Identity Security Question: What city were you born in?

Person to contact in case of emergency:

Name: Relationship to the applicant:

Address: Street & Apt. # City State Country Postal/Zip code

Telephone:

Application Instructions

General Instructions

- 1. Complete, sign and return this application with a non-refundable \$10.00 Application Fee. Make check payable to "MWCC."
2. For advising purposes, official high school/home school/GED or college transcripts are encouraged. Under the following considerations, transcripts are required:
1) applying to one of our healthcare programs; 2) transferring college credits; or 3) have been awarded an educational certificate from outside of the U.S. Those documents awarded from a country outside of the U.S. must be translated and evaluated to U.S. standards through a credential evaluating agency. Agencies can be found on the web at www.naces.org. Current high school students will be accepted into a major pending verification of high school graduation.
3. Students may apply at any time throughout the year, with the exception of selective majors, international, and Dual Enrollment applicants.

International Applicants: (financial aid is not available)

After reviewing general instructions above and completing the college application, all international students must also complete the International Student Application. This application packet is available on our website or through the admissions office.

Application deadline:

- May 15 for fall
September 15 for spring

All financial and education materials must be received in the admissions office by the posted deadline for consideration.

Dual Enrollment Applicants -

Do Not Use This Form

(financial aid is not available)

MWCC offers high school juniors and seniors the opportunity to complete coursework at the college while still attending their high schools. Whether you are simply seeking an additional academic challenge or you intend to transfer your courses back to the high school to meet your graduation requirements, you are required to complete our High School/Home School Applicant Form. This form is available on our website, at your guidance office, or by calling the enrollment office at (978) 630-9284.

For information about accommodations for disabilities, please contact the Counselor for Students with Disabilities at (978) 630-9120

Office Log Date Rec'd Initials \$10 App. Fee: Receipt#
Cash Check# Waiver Entered: Date: Initials:

Education Information (Required by all applicants)

Have you been awarded your high school diploma or GED certificate? yes no

If yes, you must provide the following information: **I have a:** (check one)

High School Diploma (01) GED certificate (06) Certificate of Completion

Home School Diploma (Do you have documentation from your school system approving your educational plan? yes no)

Name of High School/Home School/Testing Center _____

Location: _____ Date Awarded (month/yr) _____
City State Country (documents awarded outside of the U.S. must be evaluated to meet U.S. standards)

If no, select and complete one of the following:

I am a current high school/home school student at _____
Name of school City State

and intend to graduate _____ / _____. (07)
Month Year

I am not a high school student and do not have my GED. (Applicants must obtain an ATB Testing Form available in the admissions office.) (08)

Have you ever completed courses at a college other than MWCC? yes no (if no, move to "Residency Information")

What is your highest level of college completed?

Completed some college (10) Associate Degree (03)

Bachelor Degree (02) Master Degree or higher (04)

Please list all colleges you have attended (other than MWCC):

College City State

College City State

Placement Testing Waiver: (complete only if applicable)

I have completed coursework in English (i.e., English Comp., College Writing) at:

College Name Course Title Grade Received

I have completed coursework in Mathematics (i.e., Algebra, Statistics, College Math) at:

College Name Course Title Grade Received

Residency Information (Required by all applicants)

Please select one of the following:

I have lived in Massachusetts continuously since, _____ / _____.
Month Year

If less than (6) months, previous state of residence _____

I am over the age of 60 and have lived in Massachusetts continuously for (1) year.

SSN# or Student I.D. Number _____ Date of Birth _____

Are you a U.S. Citizen? Yes _____ No. If not, please complete the following:

Are you a Permanent Resident? Yes _____ No (If yes, list alien registration number: _____)

If you are not a U.S. Citizen or Permanent Resident, please state your Visa or immigration status in detail: _____

Please check the in-state or reduced tuition eligibility category that applies to you:

_____ I have been a Massachusetts resident for six (6) continuous months and intend to remain here.

As proof of my intent to remain in Massachusetts, I possess at least 2 of the following documents, which I shall present to the institution upon request. These documents* are dated within one (1) year of the start date of the academic semester for which I seek to enroll (except possibly for my high school diploma). The institution reserves the right to make any additional inquiries regarding the applicant's status and to require submission of any additional documentation it deems necessary. Please check-off those documents you possess as proof of your intent to remain in Massachusetts.

_____ Valid Driver's license _____ Utility bills* _____ Employment pay stub* _____ Valid Car registration
_____ Voter registration* _____ State/Federal tax returns* _____ Mass. High School Diploma _____ Signed lease or rent receipt*
_____ Military home of record* _____ Record of parents' residency for unemancipated person* _____ Other _____

_____ I am an eligible participant in the New England Board of Higher Education's Regional Student Program.

_____ I am a member of the armed forces (or spouse or unemancipated child) on active duty in Massachusetts.

I do not reside in Massachusetts, but have a natural parent who provides financial support and who is a legal Massachusetts resident. Therefore, I qualify for in-state residency. (Documentation is required and applies only to students 24 years of age or younger.)

Program of Study

I intend to pursue a degree or certificate program. My choice of study is: (refer to list on back page)

First Choice: _____ Second Choice: _____

I prefer Non-matriculation status, I do not intend to declare a degree program at this time (Non-degree seeking students may complete a maximum of 12 credits and are not eligible for financial aid).

Research

Please indicate your preference of this college at the time you applied for admission.

First Choice Second Choice Third Choice Fourth Choice

Do either of your natural or adoptive parents have a four-year college degree? yes no

Were you a Tech Prep student in High School? yes no

Educational Objective

What is your educational goal for attending MWCC?

- Complete a certificate
 Complete an associate degree
 Complete an associate degree, then transfer to a four-year institution

Is English your native or "first" language? yes no

If no, we offer English as a Second Language (ESL) courses that prepare non-native speakers to develop and improve conversation, reading, writing, and grammatical skills in English that are necessary for academic as well as professional achievement. Do you require additional coursework to improve your English (written and verbal skills)? yes no

How did you find/receive information about MWCC? (check all that apply)

- | | |
|--|---|
| <input type="checkbox"/> Radio | <input type="checkbox"/> Guidance counselor |
| <input type="checkbox"/> Newspapers | <input type="checkbox"/> Internet—MWCC website |
| <input type="checkbox"/> Friend/relative | <input type="checkbox"/> GED graduate of a MWCC test site |
| <input type="checkbox"/> MWCC student (current/former) | <input type="checkbox"/> Educational Opportunity Center |
| <input type="checkbox"/> MWCC Function—met or spoke w/ admissions rep. | <input type="checkbox"/> Television |

Additional Interests

The following opportunities are available to you while attending MWCC. Please review this list and check what interests you. Some programs have eligibility requirements.

- Honors Program: (HP)** The Honors Program provides an intellectually challenging academic experience for students desiring advanced studies through a highly individualized experience.
- Visions: (VI)** A student support services program that offers participants personal, academic, and career counseling in addition to various workshops and seminars designed to help students persist in college.

Signature (Required)

I hereby apply to MWCC. I agree to accept the regulations and requirements of the college and will cooperate with the students, faculty, and administration in the maintenance of high standards and appropriate conduct. I understand that concealment of facts or untruthful statements may result in my application being withdrawn or cause me to be dismissed from Mount Wachusett Community College. The information I have provided is true and correct to the best of my knowledge.

Applicant Signature

Date

Parent or Guardian Signature

Date

(REQUIRED If applicant is under the age of 18 at time of application)

Have you applied for financial aid?

- I have already applied I plan on applying I do not plan on applying

To apply for financial aid, students must complete the FAFSA, available on the Federal Financial Aid Web site at www.fafsa.ed.gov. Financial Aid can be used to pay for tuition, fees, books, transportation, and other educational expenses. MWCC strongly encourages you to complete the FAFSA. If you have questions about your financial aid application or college financial planning, please call the college Financial Aid Office (978) 630-9169 or online at www.mwcc.edu/financial

MWCC Associate Degree & Certificate Programs - Majors/Codes

Associate Degrees

(AHD) Allied Health Degree

Art

- (RT) Traditional Program
- (RTP) Professional Track

(ATD) Automotive Technology **D S**

(BTD) Biotechnology

(BCT) Broadcasting & Electronic Media **D T**

Business Administration

- (BAC) Career **L O N**
- (BA) Transfer **T**

(CLS) Clinical Lab Science **D S**

(CHD) Complementary Health Care **D S**

- (CHY) Yoga Teacher Training

(CGD) Computer Graphic Design-Print **D T**

(CGW) Computer Graphic Design-Web Design **D T**

(CIS) Computer Information Systems **O N**

- Desktop Support Concentration
- Networking Concentration
- Programming/Transfer Concentration

Criminal Justice

- (CJL) Law Enforcement Concentration **T N**
- (CJCD) Corrections Conc. **T N**

(DHY) Dental Hygiene **S**

Early Childhood Education

- (ECC) Career Concentration
- (ECT) Transfer Concentration **T**

(FS) Fire Science Technology **E**

(GS) General Studies **L O N**

- (GSCLS) General Studies Clinical Lab Science
- (GSDH) General Studies Dental Hygiene

(HS) Human Services **L N**

- American Sign Language/Deaf Studies Option
- Gerontology Option

Liberal Arts and Sciences

- (LA) Liberal Arts **T**
- (LAS) Liberal Studies **T N**
- (LAC) • Communications Option
- (LAEL) • Elementary Education Concentration
- Fitness Leadership and Exercise
- (LAX) Science Conc.
- (LAHP) • History & Political Science Conc.
- (LAT) • Theatre Arts Option

Manufacturing Technology

- (PT) Plastics Technology Concentration
- (Nypro, Inc.) **E**

(MAS) Medical Assisting

(NRD) Natural Resources Technology **D**

(PLD) Paralegal Studies **L O N**

Certificates

(AHC) Allied Health

(ATC) Automotive Technology **D S**

(BTC) Biotechnology/Biomufacturing

(BUC) Business Administration **L N**

(CHC) Complementary Health Care **N**

(CAA) Computer-assisted Accounting **L N**

(CGDC) Computer Graphic Design-Print **D**

(CGWC) Computer Graphic Design-Web **D**

(EDC) Electronic Communication and Digital Media **L**

(EXS) Fitness Leadership and Exercise Science **D N**

(HSC) Human Service Technician **L N**

(ITC) IT Support Specialist

(CJLC) Law Enforcement Certificate **N**

(MOC) Medical Office **N**

(OAC) Office Assistant

(PLS) Paralegal **L O N**

(SBC) Small Business Management **L N**

Selective Programs

(CLS) Clinical Lab Science Degree **D S**

(DHY) Dental Hygiene Degree **S**

(MTC) Massage Therapy Certificate **D S**

(NU) Nursing Degree **S T**

(PTA) Physical Therapist Assistant Degree **D S N**

(PN) Practical Nursing Certificate **D S**

Other options

English-as-a-Second Language Courses

(XEMT) Emergency Medical Technician Training

(XPLB) Phlebotomy Certificate of Completion **E**

Radiologic Technologist Articulation Agreement.

(In collaboration with Quinsigamond Community College) (see catalog).

Not all degree or certificate programs can be completed in the evening. The college reserves the right to add, revise, or withdraw programs.

Legend

D = day only

E = evening only

L = can be completed entirely at the Leominster Campus & Corporate Training Center, as well as the Gardner campus.

O = can be completed entirely online

S = admission to this program is selective.

Prospective applicants must complete additional application requirements.

The priority deadlines for fall admission are

Jan. 15 for NU; Feb. 1 for DHY; Mar. 1 for

CHD, CLS, and PTA, and Jan. 15 for LPN

Bridge applicants. The priority deadline for

PN is May 1 for fall admission at the Devens

Training Center and Sept. 1 for spring

admission at the Gardner Campus.

Receipt of program application is required.

Applicants may be admitted to General

Studies prior to selective decision.

T = Transfer

N = can be completed at night

Mount Wachusett Community College is an affirmative action/equal opportunity employer and does not discriminate on the basis of race, color, religious creed, age, physical or mental disability, sex, national origin or ancestry, marital status, sexual orientation, genetic information or veteran status.

In compliance with the Clery Act (20 U.S.C. 1092(a) and (f)), all prospective students are entitled to review the MWCC Annual Security Report. This report may be accessed online at www.mwcc.edu or by request through the Office of Admissions.



**Mount Wachusett
Community College**

444 Green Street
Gardner, MA 01440-1000 / USA
(978) 632-6600
www.mwcc.edu