

Health Sciences Careers

MCC is a smart pathway into
Health Sciences Careers

For more information,
visit www.mcc.edu
or call (810) 762-0200



MOTT COMMUNITY
COLLEGE

The Smart Choice

HEALTH SCIENCES CAREERS

Health Sciences careers are related to the promotion of health, prevention of illness and treatment of injuries, infections and disease. These include occupations in research, prevention, treatment and related health technologies.

Would You Be Attracted to Health Sciences Careers?

Health Sciences careers may appeal to a wide variety of people but many enjoy helping others and find great satisfaction in the impact that they have on others.

- *Do you enjoy caring for people or animals that are sick?*
- *Are you interested in diseases and how the body works?*
- *Do you like reading about health, life sciences and wellness?*
- *Do you like to help friends and family with problems?*
- *Would you enjoy volunteering or working at a hospital or veterinarian clinic?*
- *Would you enjoy learning first aid?*

Health Sciences Careers: National Career Clusters

National Career Clusters



Promotion of health, prevention of illness and treatment of injuries, infections and disease. These include research, prevention, treatment and related health technologies.

MCC Programs

- Administrative Assistant – Medical Secretary
- Associate Degree in Nursing – RN
- Practical Nursing – LPN
- LPN to ADN/RN Articulation
- Business Health Services Management
- Dental Assisting
- Dental Hygiene
- Health Unit Coordinator – Ward Clerk
- Histologic Technology
- Medical Practice Management
- Nurse Aide
- Occupational Therapy Assistant
- Paramedic (Graduate)
- Phlebotomy
- Physical Therapist Assistant
- Radiography Preparation
- Radiologic Technology
- Respiratory Therapy



What Health Sciences Careers can students prepare for at Mott Community College?

MCC can help you complete or begin almost any Health Sciences related career. Jobs in this field will require different levels of education depending on the specific responsibilities. Some jobs may only require several months of training while others may require one to two years of college education or a Bachelor Degree (four years) or more of education. MCC is a college uniquely designed to help students achieve or start any level of education and job training in Health Sciences.

MCC Occupational Programs & Careers

...job skills in two years, one year or less

The MCC occupational Associate Degree programs, certificates and alternative training options are designed to prepare students for immediate employment in specialized areas of health, business, technology, human services, and industry.

Associate of Applied Science (AAS) Degree

Designed to prepare students for immediate employment in specialized areas in health, business, technology, human services, and industry. Although this degree prepares students to enter the world of work, many AAS graduates do transfer to four-year institutions to continue their education while working.

Certificate

Programs of study requiring approximately one year of full-time course work, designed for entry-level employment.

Alternative Training

A course or clusters of courses that provide special occupational skills/credentials or satisfy the qualifications needed for "Industry Certification" standards. Many of these training options are 15 weeks or less.

The programs listed on the next several pages are the Health Sciences related occupational degrees, certificates and training options that are available at MCC.

Starting your Bachelor Degree at MCC

...start here, finish there

If the Health Sciences occupation you are interested in requires four or more years of college, you can start at MCC and finish at the four-year college of your choice. MCC counselors and advisors assist students in developing their plans for transferring to four year colleges and universities. Students may take up to two years towards a four-year degree at Mott Community College and then transfer to a four-year college or university.





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Administrative Assistant – Medical Secretary Option Certificate

*Business Division (810) 762-0429
Curtice-Mott Complex CM2133*

This program offers courses of study and opportunities to individuals who are interested in working as administrative assistants, executive secretaries and office managers. The medical secretary option provides training for administrative areas with medical-related office procedures.

Associate Degree in Nursing – RN Associate in Applied Science

*Health Sciences Division (810) 762-0317
Curtice-Mott Complex CM2313*

Students in the Associate Degree in Nursing (PN/ADN) program study biological, physical and behavioral sciences to prepare them for the nursing curriculum. The program prepares graduates to assist others in health maintenance and normal health processes as well as assisting with illness, injury or disability. The roles of the Registered Nurse include those of provider of care, manager of care and member of the discipline of nursing. The registered nurse is involved with care, treatment, counseling and health teaching of clients along the lifespan. He/she also directs and supervises other nursing personnel in the performance of patient care activities. Graduates receive the Associate of Applied Science Degree in Nursing (ADN/RN) and are eligible to take the licensure exam for registered nurses (NCLEX-RN). The program is approved by the MI Department of Community Health/MI Board of Nursing. The ADN/RN program is accredited by the National League for Nursing Accrediting Commission.

Practical Nursing – LPN Certificate

*Health Sciences Division (810) 762-0317
Curtice-Mott Complex CM2313*

The Practical Nursing Program is the first year of the Associate Degree Nursing program and provides graduates with the skills and applied knowledge to practice nursing under the supervision of a Registered Nurse, physician or dentist. Upon completion of the PN track of the program, graduates receive a Certificate of Achievement and are eligible to take the licensure exam for licensed practical nurses (NCLEX-PN). The PN program is approved by the MI Department of Community Health/MI Board of Nursing.

LPN to ADN/RN Articulation Associate in Applied Science

*Health Sciences Division (810) 762-0317
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This program provides a means for the clinically experienced, academically qualified Licensed Practical Nurse to receive advanced standing in the Associate Degree Nursing program. Students who are LPNs will enter the ADN/RN program in the summer session each year. They will take Challenge or Exemption exams on clinical areas in which they have practiced or received some training. Courses they have already taken will be accepted toward requirements in the ADN/PN curriculum.



Practical Nursing – LPN

Business Health Services Management

Associate in Applied Science

*Business Division (810) 762-0429
Curtice-Mott Complex CM2133*

This program supports careers in medical office management, administrative services related to patient care and departmental or corporate management in health care. Coursework lays the foundation for transfer programs in health service management, medical case management, and health care, hospital or public health administration.

Dental Assisting

Certificate & Associate in Applied Science

*Health Sciences Division (810) 762-0317
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Dental Assisting is continually changing to meet the demands of today's technology as it responds to patient needs. Michigan requires both education and licensure for those persons performing expanded functions on patients. The Registered Dental Assistant (RDA) functions as a key member of the dental team, using restorative, surgical and corrective procedures. Program courses include study in biological sciences, dental materials, radiography and clinical procedures. Graduates of this program will complete requirements that qualify them to take the State Board Examination for licensure as a Registered Dental Assistant (RDA) or the National Board exam to be a Certified Dental Assistant (CDA). This program is accredited by the Commission of Dental Accreditation of the American Dental Association, and the State of Michigan.

Upon completion of the basic Dental Assisting Certificate program requirements and additional courses with a grade of 2.0 or better, the student is eligible to receive the Associate in Applied Science Degree. Graduates will be eligible to take the State Board Examination for licensure as a Registered Dental Assistant (RDA) or the National Board exam to be a Certified Dental Assistant (CDA).

Dental Hygiene

Associate in Applied Science

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The program in dental hygiene is accredited by the Commission on Dental Accreditation of the American Dental Association, a specialized accrediting body recognized by the Council on Post-secondary Accreditation and by the U.S. Department of Education. The program prepares the student to provide preventive dental hygiene care in dental offices, clinics, and educational or health care institutions. Registered Dental Hygienists (RDH) work as part of the dental health team to provide preventive health care for each patient. Typical chair side responsibilities include exposing radiographs, health histories, oral prophylaxis (cleaning), dental and periodontal charting, oral cancer screening, patient education, nutritional counseling, and fluoride and sealant application. High school preparation should include biology and chemistry (a prerequisite for CHEM-112), physics and geometry.



Dental Hygiene

Health Unit Coordinator – Ward Clerk

Alternative Training

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Health unit coordinators function at nursing stations in hospitals and extended-care facilities under the direction of the nursing staff. Duties include clerical, physicians' orders transcription and communication with other departments. The two courses HUC-100 and HUC-101 include theory, lab and clinical training.

Histologic Technician Associate in Applied Science

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This program consists of 47 credits at MCC and seven months of clinical experience at William Beaumont Hospital in Royal Oak, MI. Upon satisfactory completion of the program, students will be prepared for the professional registry examination for histologic technicians. The histologic technician assists the pathologist by processing and preparing slides from surgical and autopsy tissues. The technician also performs a variety of special histochemical stains on tissue sections which aid the pathologist in the diagnosis of disease.

Medical Practice Management Certificate

Business Division (810) 762-0429
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Medical Practice Management offers a three-track career study in administrative support for physician's offices, hospitals and other providers of health care. Medical Practice Management establishes an excellent foundation for a professional opportunity in health care management, hospital administration, public health, medical case management or medical records.

• Medical Billing Option

Medical billing specialists organize patient accounts, code, bill and post for treatment and services.

• Medical Secretary Option

Medical secretaries maintain records and coordinate office procedure and communication.

• Medical Transcription Option

Medical transcriptionists document treatment and progress of care.

Nurse Aide Alternative Training

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The course, NAPP-123, is approved by the Michigan Department of Community Health. Students who complete this course are eligible to take the State Written/Oral Competency Test and the State Clinical Skills Test. Success in both tests results in placement in the Nurse Aide Registry. The course prepares individuals to provide basic nursing or nursing related services primarily to patients in extended care facilities. The NAPP-124 course provides students with additional skills and training for employment in hospitals.



Histologic Technician

Occupational Therapy Assistant

Associate in Applied Science

Health Sciences Division (810) 762-0317
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The program prepares students as entry-level Occupational Therapy Assisting practitioners. The Occupational Therapy Assistant (OTA) works under the direction of the Occupational Therapist (OT) in providing specific patient services to improve health and performance. OTA and OTPT courses will be taught only at the Southern Lakes Branch Campus.

Paramedic (Graduate)

Associate in Applied Science

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This program is offered to those who have completed a paramedic program at McLaren Regional Medical Center or Genesys Hospital. A paramedic is an ambulance attendant responsible for advanced emergency care in a pre-hospital setting and transportation of the sick and injured to a hospital.

Phlebotomy

Alternative Training

Health Sciences Division (810) 762-0317
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Concepts and practice skills to prepare students to perform venipuncture procedures safely and correctly for various specimen collections or laboratory tests. The use of appropriate infection control measures is emphasized.

Physical Therapist Assistant

Associate in Applied Science

Health Sciences Division (810) 762-0317
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The Physical Therapist Assistant Program prepares students for entry-level practice as Physical Therapist Assistants (PTA); provision of physical therapy services under the supervision and direction of the physical therapist (PT). This includes collecting of data and/or patient interventions; making appropriate judgments; modifying interventions within the PT's established plan of care; participating in discharge planning and follow up care; documenting the care provided; educating and interacting with PT and PTA students, aides, volunteers, patients, families and caregivers, and demonstrating an understanding of the significance and impact of cultural and individual differences. Physical Therapist Assistants contribute to society and the profession through the provision of PT services, teaching and administration.

Radiography Preparation

Alternative Training

Health Sciences Division (810) 762-0317
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Radiography (X-Ray Technology) training is obtained at Hurley Medical Center. MCC offers appropriate coursework to increase students' chances for admission into the training program. These courses do not lead to a degree at MCC.



Occupational Therapy Assistant

Radiologic Technology

Associate in Applied Science

Health Sciences Division (810) 762-0317

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The Radiologic Technology Program is a cooperative effort between Mott Community College and certified Radiologic Technology schools with which MCC has a current articulation agreement (see the Health Sciences advisor for a list of Radiologic Technology schools). Students will complete a core of courses specific to the occupational specialty at the certified Radiologic Technology school. Other coursework, including general education requirements and specific support courses must be completed (at least 32 credits must be completed at MCC) to earn the Associate Degree.

NOTE: Admission to a certified Radiologic Technology school is a separate process. Completion of coursework at MCC does not guarantee admission to a Radiologic Technology school.

Respiratory Therapy

Associate in Applied Science

Health Sciences Division (810) 762-0317

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The Respiratory Therapist specializes in the application of scientific knowledge and theory to practical, clinical problems of respiratory care. The Respiratory Therapist is qualified to assume primary clinical responsibility for all respiratory care modalities, including responsibilities involved in supervision of respiratory technician functions. The program provides the student with the knowledge and experience that will qualify them to take the required NBRC examinations to become a Registered Respiratory Therapist (RRT).



Radiologic Technology

Is College Right For Me? *College is For Everyone!*

By studying hard, planning strategically and leveraging the right resources, students can succeed in high school, college and in life. MCC is focused on student success from admission to enrollment and to graduation and beyond. MCC is committed to providing the assistance for a smooth transition to college. Call (810) 762-0200 or visit us online at www.mcc.edu.

When Should I Begin Career Preparation Activities? *NOW!*

- If you are a high school student, talk with your counselor.
- For others interested in exploring college options contact a Mott Community College counselor or advisor. Call (810) 762-0200.

What Classes Should I Take In High School For Health Sciences Careers?

Take advantage of your high school curriculum to prepare you for future success! The following academic courses are recommended for students interested in pursuing careers in health sciences:

GRADE	ENGLISH/ LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES/ SCIENCES	TECHNICAL COURSES
9	English/ Language Arts I	Algebra I	Biology	State History/ Civics	Introduction to occupational career selected
10	English/ Language Arts II	Geometry *Dependent on chosen career	Chemistry *Dependent on chosen career	U.S. History	Continue courses based on career path
11	English/ Language Arts III	Algebra II *Dependent on chosen career	Physics *Dependent on chosen career	World History/ Sociology	Continue courses based on career path
12	English/ Language Arts IV	*Dependent on chosen career	Anatomy and Physiology *Dependent on chosen career	Psychology/ Economics	Continue courses based on career path

All plans of study should meet local and state high school graduation requirements and college entrance requirements. Certain local student organization activities are also important including public speaking, record keeping and work-based experiences.

**Talk to your high school counselor for specific recommendations regarding your chosen career cluster.*

Can High School Students Earn College Credit? **YES!**

There are a number of ways for students to earn college credit while in high school. Talk with your high school counselor for additional information.

• **Advanced Placement Program**

The Advanced Placement Program, commonly known as Advanced Placement, or AP, offers high school students the opportunity to receive university/college credit for their AP classes taken in high school. Credit is based on successful completion of the AP exam.

• **Articulation**

Articulation is a process that allows students to apply credit for high school and career center courses to a certificate or Associate Degree at Mott Community College. Mott Community College has Articulation agreements with various high schools. Refer to our website at www.mcc.edu or contact your MCC or high school counselor or advisor for more information.

• **Dual Enrollment**

Dual enrollment allows public high school students that meet proper requirements to enroll in college courses. Their high school district will pay a designated amount for these college classes.

• **Early Admit**

Early Admit allows public high school students that do not meet the dual enrollment requirements, private school and home school students, to enroll in college courses at Mott Community College with parental and school permission.



How Do Career Pathways & Clusters Help You?

- They help you examine interests, goals and talents and see how they relate to a chosen career
- They help you see how school subjects relate to the world of work
- They challenge you to develop high academic skills
- They help you learn about career opportunities

Michigan Career Pathways/Federal Career Clusters

Career Pathways and Career Clusters are broad groupings of careers that share similar characteristics and employment requirements. Almost all occupations fall into one (or more) of the career pathways. Workers within a career pathway often share many common interests, strengths and competencies.

Career Pathways	Career Clusters
ARTS & COMMUNICATIONS	Arts, A/V Technology & Communications
BUSINESS & INFORMATION TECHNOLOGY	Business, Management & Administration Finance Hospitality & Tourism Information Technology Marketing, Sales & Service
ENGINEERING, MANUFACTURING & INDUSTRIAL TECHNOLOGY	Architecture & Construction Manufacturing Science, Technology, Engineering & Mathematics Transportation, Distribution & Logistics
HEALTH SCIENCES	Health Sciences
HUMAN SERVICES	Education & Training Human Services Law, Public Safety & Security Government & Public Services



We are committed to helping you succeed!

Admissions applications are free at MCC. Call **(810) 762-0200** for more information.
Visit our website at www.mcc.edu to explore the MCC difference and to request more information.