Visit the CTE and MBCC website for:

- Additional Information
- The Presentation used in this video (with active links)
- Translated materials for non-English speakers
Two Essential Scheduling Questions:

- What class(es) **CAN** I take?
- What class(es) **SHOULD** I take?
# Michigan Merit Curriculum

(aka “Graduation Requirements”)

<table>
<thead>
<tr>
<th>9 Fall</th>
<th>9 Spring</th>
<th>10 Fall</th>
<th>10 Spring</th>
<th>11 Fall</th>
<th>11 Spring</th>
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<tr>
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<td>LA 1</td>
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<td>LA 4</td>
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<td>LA 7</td>
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<td>Algebra 1</td>
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<td>Geometry</td>
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<td>Chemistry of Physics</td>
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<tr>
<td>Social</td>
<td>World Civ</td>
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<td>US History</td>
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<td>Econ / Gov</td>
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<tr>
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<td>ELECTIVE</td>
<td>ELECTIVE</td>
<td>ELECTIVE</td>
<td>ELECTIVE</td>
<td>ELECTIVE</td>
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Learning that works for Michigan
Michigan Merit Curriculum

- Courses **REQUIRED** for graduation define what a high school graduate looks like in Michigan. They make students all the **SAME**.

- High School **ELECTIVE** courses and programs allow us to students to pursue individualized knowledge and skills relevant to their career plans. They make students all **UNIQUE**.
Imagine a student who wants to prepare for a career in the Medical / Health Science Field.
## High School Graduate
### Student #1

<table>
<thead>
<tr>
<th>Year</th>
<th>Fall</th>
<th>Spring</th>
<th>Fall</th>
<th>Spring</th>
<th>Fall</th>
<th>Spring</th>
<th>Fall</th>
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<tr>
<td>9</td>
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<td>LA 7</td>
<td>LA 8</td>
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<tr>
<td>10</td>
<td>Algebra 1</td>
<td>Algebra 1</td>
<td>Algebra 2</td>
<td>Algebra 2</td>
<td>Geometry</td>
<td>Geometry</td>
<td>“Senior Math”</td>
<td>“Senior Math”</td>
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<td>Biology</td>
<td>Biology</td>
<td>Chemistry of Physics</td>
<td>Chemistry of Physics</td>
<td>3rd Science</td>
<td>3rd Science</td>
<td>Intro Marketing</td>
<td>Keyboarding</td>
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<td>12</td>
<td>World Civ</td>
<td>World Civ</td>
<td>US History</td>
<td>US History</td>
<td>US Economics</td>
<td>US Government</td>
<td>Sewing 1</td>
<td>Intro to Piano</td>
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<tr>
<td></td>
<td>World Lang</td>
<td>World Lang</td>
<td>World Lang</td>
<td>World Lang</td>
<td>Power Sports</td>
<td>Welding 1</td>
<td>Dual Enroll Weather</td>
<td>Dual Enroll Rock-n-Roll History</td>
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<tr>
<td></td>
<td>PE</td>
<td>Health</td>
<td>Fundamental Foods</td>
<td>Wood Tech 1</td>
<td>Creative Writing</td>
<td>Intro to Business</td>
<td>Psychology</td>
<td>Co Op McDonalds</td>
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</table>

Learning that works for Michigan

CTE

DEARBORN PUBLIC SCHOOLS CARRIER & TECHNICAL EDUCATION
<table>
<thead>
<tr>
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<tr>
<td><strong>Science</strong></td>
<td>Biology</td>
<td>Biology</td>
<td>Chemistry</td>
<td>Chemistry</td>
<td>Anatomy &amp; Physiology</td>
<td>Anatomy &amp; Physiology</td>
<td>Adv Allied Clinical</td>
<td>Adv Allied Clinical</td>
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<tr>
<td><strong>Other</strong></td>
<td>World Lang</td>
<td>World Lang</td>
<td>Allied Health</td>
<td>Allied Health</td>
<td>Medical Assist</td>
<td>Medical Assist</td>
<td>Dual Enroll First Aid</td>
<td>Dual Enroll Med Term</td>
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<tr>
<td><strong>Other</strong></td>
<td>PE</td>
<td>Health</td>
<td>Allied Health</td>
<td>Allied Health</td>
<td>Medical Assist</td>
<td>Medical Assist</td>
<td>CoOp Medical Assistant</td>
<td>CoOp Medical Assistant</td>
</tr>
</tbody>
</table>

Learning that works for Michigan

CTE™
Who Gets The Job?

Student #1
- High School Diploma
- 16 unrelated, introductory electives
- 3-6 General Education College Credits
- Entry Level Work Experience

Student #2
- High School Diploma
- 3 Years of Health Science Classes
- Health Science Knowledge & Skills
- 15+ College Credits (Health Science)
- Work Based Learning in Health Science
- 4+ Industry Recognized Certificates
- CTE Scholarship Opportunities
- Student Leadership/Competition (HOSA)
What is an Educational Development Plan?

• A list of all the courses a student plans to take in High School, created with input from you, your parents and your counselor.
  • High School Academic and Elective Classes
  • CTE programs, Advanced Electives and AP Classes
  • College Dual Enrollment and Work Based Learning (CoOp)

• Class choices should be based on
  • Student **Aptitude** (YouScience): What are you GOOD at?
  • Student **Interest**: What do you like to DO?
  • Student **Achievement**: Are you taking the courses needed to be successful in this field?

• Allow students to progress through
  • Career **Awareness**: What are my options after High School?
  • Career **Exploration**: What is this career/job like? Is it a good fit?
  • Career **Preparation**: Required basic technical knowledge and skills.
  • Career **Training**: Specialized knowledge, skills and certifications.

• *Education with a Purpose!*
Education With A Purpose

9th Grade Academy

Career Awareness and Exploration

10th Grade

Foundation Knowledge and Skills

11th Grade

Advanced Knowledge and Skills Training

12th Grade

Certificates Work Experience College Credit

Academy of Business and Hospitality

Academy of Health Sciences

Academy of Human Services

Academy of Industry, Technology and Innovation
What is Career and Technical Education (CTE)?

• Multi-course, multi-year programs aligned to student’s *Educational Development Plans*

• Prepare students for careers that are:
  • High Skill
  • High Demand
  • High Pay

• Provide a rich learning experience in addition to classroom work
  • **HANDS ON SKILLS AND SAFETY TRAINING** in classroom laboratories.
  • **WORK BASED LEARNING**- Job shadows, career exploration, internships, work and volunteer experiences.
  • **CAREER AND TECHNICAL STUDENT ORGANIZATIONS** - leadership, competition and scholarship opportunities (BPA, DECA, FCCLA, HOSA, SkillsUSA).

• Chance to earn **COLLEGE CREDIT** for *High School* classes (Articulated Credit)

• Marketable industry recognized **CERTIFICATIONS**
Michael Berry Career Center

- CTE Courses offered at the *Dearborn Heights Campus*
- Available to **ALL** Dearborn 10th, 11th and 12th grade students.
- **Bus transportation** provided to and from campus.
- **Full Year commitment** (can’t join/drop 2nd semester).
  - Second year option recommended for most students
- Students can still join their high school athletic teams, band, plays, clubs, etc.
- Some MBCC CTE programs still housed in the high schools
  - Automotive Technician
  - Teacher Cadet (Education Careers)
  - Construction Trades
Current CTE Programs

berry.dearbornschools.org

• Academy of Business and Hospitality
  • Culinary Arts
  • Dearborn Business Academy
    » Accounting
    » Business Technology and Management
    » Marketing

• Academy of Health Sciences
  • Allied Health
  • Advanced Allied Health
    » Medical Assisting
    » Dental Assisting
    » Sports Medicine
    » Clinical (Seniors Only)
    » Pharmacy Technician (Seniors Only)
Current CTE Programs
berry.dearbornschools.org

- **Academy of Human Service**
  - Aspiring Dearborn Educators (ADE) - Teacher Cadet
  - Criminal Justice and Law Careers

- **Academy of Industry, Technology and Innovation**
  - Automotive Technician
  - Computer Programming/Programmer
  - Digital/Multimedia
  - Construction Trades
  - Welding Technician
To find out more about our CTE programs, head to berry.dearbornschools.org (CTE Home Page) for detailed course and program descriptions, instructor contact information and even short videos from our instructors in the “Virtual Open House”
Career and Technical Education
Michael Berry Career Center

Exploring Our Programs

Find the right path for you!
Academy of Business and Hospitality
Dearborn Business Academy

This program allows students with a strong interest in Small Business Management and Entrepreneurship to complete all three business programs and prepare to enter the business workforce, seek a college certificate/degree in business and/or start their own business upon graduation.

1st Year
- Marketing Path: Intro Marketing
- Management Path: Bus Tech Mgmt
- Accounting/Finance Path: Accounting 1

2nd Year
- Marketing Path: Market Management
- Management Path: Bus Tech Mgmt
- Accounting/Finance Path: Accounting 2

3rd Year
- Marketing Path: Adv Marketing - School Store
- Management Path: Adv Bus Tech - Entrepreneurship
- Accounting/Finance Path: Accounting 3

Learning that works for Michigan CTE
Hospitality Studies (Culinary Arts)

This program focuses on preparing students for management and operations within the Hospitality industry. In addition to learning about food and cooking, students run an on-site restaurant where they practice all aspects of restaurant operation, event planning and catering.

1st Year
- Hospitality Studies I (2hrs)

2nd/3rd Year
- Hospitality Studies II (2 hrs)
- Hospitality Studies II (3 hours) *recommended

Optional Electives
- 2nd Year of Hosp Stud II
- MBCC Marketing Courses
- CoOp in Food Service
- Dual Enroll Culinary Arts

Learning that works for Michigan
Allied Health Careers

This program provides students the needed skills in health careers. Basic skills common to every health occupation are covered in Allied Health (1st year). Students may then choose to learn specialized knowledge, skills and certifications specific to their career plans in Advanced Allied Health

1st Year

- Allied Health (2 hrs)

2nd/3rd Year

- Advanced Allied Health (2 hrs)
  - Medical Assisting
  - Dental Assisting
  - Sports Medicine
  - Clinical (Seniors Only)
  - Pharmacy Tech (Seniors Only) - 1 hr

Suggested Electives

- 2nd Advanced Course
  - Anatomy & Physiology
  - ER Response Train (advanced 1st Aid)
  - CoOp in Health Field
  - Dual Enroll HFC Health Science Program
Academy of Human Services
Criminal Justice and Law Careers

This program prepares students for careers in the Criminal Justice and Legal fields including First Responder (Police, Fire, EMT), Corrections, Court Officers and Legal Fields (Clerk, Paralegal, Lawyer, etc.). Students will explore all aspects of the Criminal Justice systems and receive hands on training on the various tools and technology used in the fields.

1st Year

Crim Just: Public Safety & Law
Crim Just Tools & Techniques

2nd Year

Adv Crim Just: Laws & Ethics
Adv Crim Just: Investigations & Reports
+ Forensic Science (Full Year)

Suggested Electives

- ER Response Training (Advanced CPR/1st Aid)
- Psychology/Sociology
- AP US Government

Learning that works.
Aspiring Dearborn Educators (ADE)

This program focuses on general theory and practice of teaching and learning and prepares students for careers in education including childcare, early childhood education, tutoring and coaching. Background knowledge and theory is combined with extensive field experience in the classroom. Students who complete the program may qualify for the Child Care Associates (CDA) or Michigan School Aged Youth Development (MiSAYD) certificates.

**1st Year**
- Child Development
- Child Guidance

**2nd/3rd Year**
- **Elementary Teacher Cadet**
  - Blended Classroom and Field Experience in Elementary Classroom as Teacher’s Aide
  - 480 hours required for Certification

Learning that works for Michigan
Academy of Industry, Technology & Innovation
Auto Technician

This instructional program prepares students to engage in the servicing, maintenance, adjustment, and repair of automotive components and systems. It also provides a sequence of learning experiences related to the national Automotive Technicians Education Foundation (NATEF) and repair categories requiring certification. This program may include diesel engine repair. Learning activities in the classroom, laboratory, shop, and actual work setting are combined to provide students the opportunity to become knowledgeable of nomenclature; safety principles and practices; and job entry level skills in disassembling, assembling, inspecting, repairing, and replacing components or systems.

1st Year
- Auto Tech 1
- Auto Tech 2
- Auto Tech 3
  - Engine
  - Electrical

2nd/3rd Year
- Auto Tech 4
  - Engine
  - Performance
- Auto Tech 5
  - Brakes and
  - Steering

Optional
- Auto Tech 6
  - Adv Auto
  - Tech

Students who complete Auto Tech 1-2-3-4-5 can take the Michigan Mechanics License Exam and Student ASE Certification Exams.
Construction Trades

This program prepares students to apply technical knowledge and skills in the building, inspection, and maintenance of structures and related properties. It includes instruction in carpentry; electrical and power transmission installation; building/construction finishing; management, inspection; lay out; cut, fabrication, ejection, installation, and repair of wooden structures and fixtures using hand and power tools; technical Mathematics and semantics; framing construction materials and selection; job estimating; blueprint reading; foundation and roughing-in; finishing carpentry techniques; and applicable codes and standards.

1st Year
- Wood Tech 1
- Wood Tech 2

2nd Year
- Geometry in Construction

3&4th Years
- DS Construction
- Wood Tech 3,4,5
- Welding Tech
- Home Tech
- Dual Enroll HFC Construction

Note: Students take Geometry and Construction together to learn how math and trades work together.
Computer Programming

This program prepares students to apply the knowledge and skills of general computer programming to the solution of specific operational problems and customization requirements presented by individual software and organizational users. It includes training in specific types of software, design, development, and implementation; identifying customer needs; programming tools and techniques; creating codes; testing and validation; the maintenance of computer systems and software; and project management.

1st Year (suggested)

- CS Discoveries
- CS Discoveries

2nd Year

- AP Computer Science Principles

-or-

3rd Year

- AP Computer Science A (Java)

-or-

- CS Discoveries
- CS Discoveries

- Software Specialist

- AP Computer Science Principles
- AP Computer Science A (Java)
Digital Multimedia

This program prepares students for the varied careers in Design. Students learn a combination of artistic skills and computer skills necessary for these careers. Based on their interests and aptitudes, students may choose to emphasize the art side (Design Concepts) or the technology side (Software Specialist). Either way, the students learn the same knowledge and skills—just in a different context.

<table>
<thead>
<tr>
<th>First Year</th>
<th>Second Year</th>
<th>Third Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Concepts 2D</td>
<td>Software Specialist</td>
<td>Adv Design Concepts -or- Adv Software Specialist</td>
</tr>
<tr>
<td>Design Concepts 3D</td>
<td></td>
<td>optional elective</td>
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</table>

- AP Computer Science Principles
Welding Technician

This program prepares students for careers in Welding, Brazing, Soldering and Fabrication and focuses on the cutting and joining of metals using heat, gas, electric and plasma technologies. Knowledge and hands-on lab training focus on industry safety practices, metal identification and selection, measurement, tool usage and selection, industry standards, blueprint reading, metallurgy and welding processes and standards. Students who complete the Edsel Ford program may qualify to take the American Welding Society (AWS) SENSE Certification Exam. Detailed Course Descriptions Follow.
NOTICE OF NON-DISCRIMINATION: It is the policy of the Dearborn Public Schools not to discriminate on the basis of race, color, national origin, gender, age, disability, height, weight or marital status in programs, services or activities. The following department has been designated to handle inquiries regarding the nondiscrimination policies: Human Resources, 18700 Audette, Dearborn, MI 48126, (313) 827-3181.
Upon request of the school district superintendent, the district shall make reasonable accommodations for a person with disabilities to be able to participate in this program.