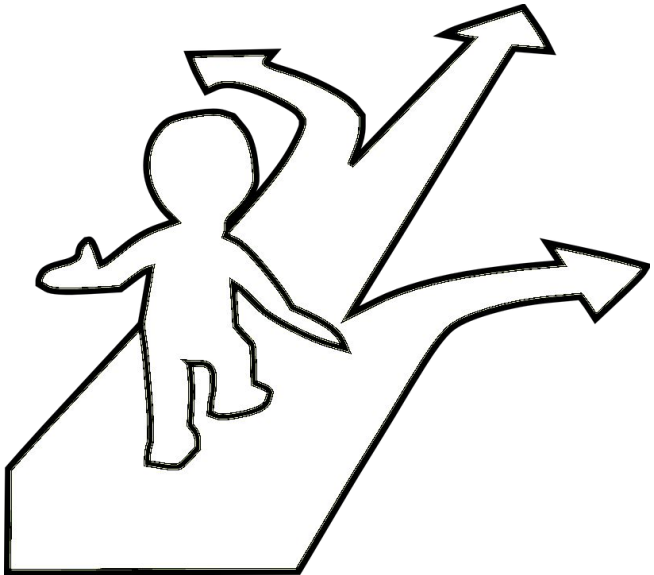
2024 CTE and MBCC Scheduling Guide

Two Essential Scheduling Questions:

- What class(es) **CAN** I take?
- What class(es) **SHOULD** I take?



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Michigan Merit Curriculum

(aka “Graduation Requirements)

	9th Fall (Freshman Academy)	9th Spring (Freshman Academy)	10th Fall	10th Spring	11th Fall	11th Spring	12th Fall	12th Spring
			← THE ACADEMIES OF DEARBORN →					
English	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA Elective
Math	Algebra 1	Algebra 1	Algebra 2	Algebra 2	Geometry	Geometry	**Senior Math Per Finance?**	**Senior Math Per Finance?**
Science	Biology	Biology	Chemistry or Physics	Chemistry of Physics	**3rd Science**	**3rd Science**	**ELECTIVE**	**ELECTIVE**
Social	World Civ	World Civ	US History	US History	Econ / Gov	Econ / Gov	**ELECTIVE**	**ELECTIVE**
Other	World Lang	World Lang	**World Lang**	**World Lang**	**ELECTIVE**	**ELECTIVE**	**ELECTIVE**	**ELECTIVE**
Other	PE **Comp Apps**	PE/Health **VPAA “Art”**	**ELECTIVE**	**ELECTIVE**	**ELECTIVE**	**ELECTIVE**	**ELECTIVE**	**ELECTIVE**

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What's Your Plan?

You should plan to GROW your knowledge and skills through high school through:

1. **Entry Level / Exploration Classes** (ex. Allied Health, Wood Tech 1, Intro to Business)
2. **Advanced Skills Training Classes** (ex. Adv Allied Health, Auto 3 Engine Electric)
3. **Applied Skills Classes** (ex. Dual Enrollment, CoOp, Certification Classes)

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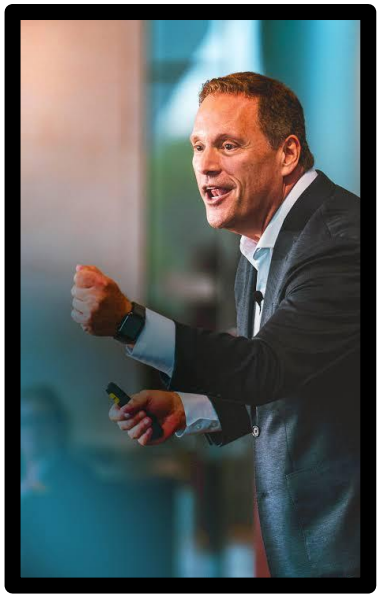
What's You Plan



Two people to check out:

- Mark C. Perna (Forbes.com)

- Kevin J. Fleming (YouTube)

Michael Berry Career Center Programs

- **MBCC** Elective programs are **FREE** to all Dearborn 10th, 11th and 12th grade students
- **BUS** transportation is provided (11th/12th may drive)
- **3 hours** at **MBCC** (1-2-3rd or 4-5-6th hours)
- All programs are a **YEAR LONG** commitment
- In your **CTE** program you will participate in
    - Rigorous Academic Curriculum
    - Hands-On Skills training
    - Work Based Learning opportunities
    - Student Leadership and Career Technical Student Organizations
    - Certifications, Credentials and Licensing opportunities

What Do I Do Next?

Meet with counselors this month to pick classes for next year. There are only two requirements:

- Are you on track to graduate?
- Do you have what it takes to be successful?
  - Show up on time every day ready to work?
  - Turn in all or your assignments?
  - Ask for help when you need it?

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Current CTE Programs

- **Academy of Business and Hospitality**
  - Culinary Arts
  - Dearborn Business Academy
- **Academy of Health Sciences**
  - Allied Health
- **Academy of Human Service**
  - Pre-Education Careers
  - Criminal Justice and Law Careers
- **Academy of Industry, Technology and Innovation**
  - Automotive Technician (Fordson and Edsel)
  - Computer Programming/Programmer
  - Construction Trades (Dearborn and Fordson)
  - Digital Design
  - Welding Technician (Edsel Only)

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Academy of Business and Hospitality

Dearborn Business Academy

YEAR	Course(s)	Certification(s)
ONE	• Intro Marketing (1 hr Fall) • Market Management (1 hr Spring) • Business Tech and Management (1 hr)	• Microsoft Office Specialist (Word, Powerpoint) • NOCTI Communication Skills for Business
TWO	• Accounting 1, 2 (1 hr) • Adv Marketing - School Store • Adv Marketing - Social Media	• Microsoft Office Specialist (Excel) • STUKENT Social Media Marketing Expert
THREE	• Accounting 3,4 • Adv Bus Tech -Entrepreneurship	• Microsoft Office Expert • NOCTI Entrepreneurship and Small Business

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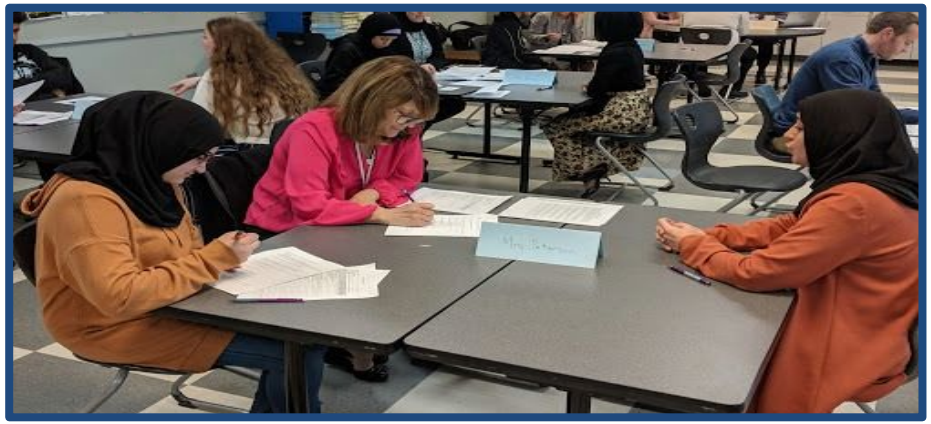
Dearborn Business Academy



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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.

YEAR	Course(s)	Certification(s)
ONE	• Hospitality Studies (2 hrs)	• ServSafe Safe Food Handler • ProStart Level I
TWO	• Adv Hospitality Studies (2 hrs)	• ServSafe Manager • ProStart Level II
THREE	• Adv Hospitality Studies (3 hrs) or • Dual Enroll (Culinary)	• ProStart Advanced

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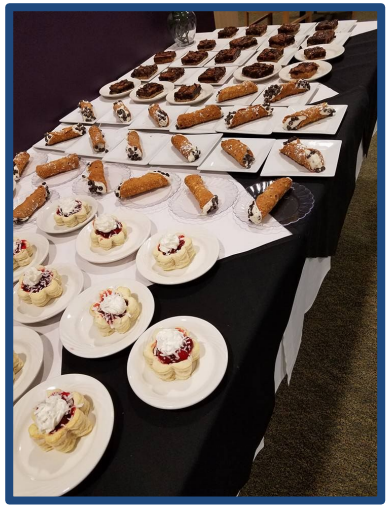
Hospitality Studies (Culinary Arts)



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Academy of Health Science

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

YEAR	Course(s)	Certification(s)
ONE	• Allied Health (2 hrs)	• CPR/AED/First Aid • OSHA 10

TWO	• Advanced Allied Health
	  ○ Medical Assistant
	  ○ Dental Assistant
	  ○ Sports Medicine
		• NHA Certified Clinical Medical Assistant
		• NHA Certified EKG Technician
		• Dental Certificate

THREE	• Advanced Allied Health
	  ○ Medical Assistant
	  ○ Dental Assistant
	  ○ Adv Dental Assistant
	  ○ Sports Medicine
	  ○ Clinical
	  ○ Pharmacy Technician (new - 2hrs)
		• NHA Certified EKG Technician
		• Adv Dental Certificate
		• PTCP Certified Pharmacy Technician License
		• ACE Personal Trainer

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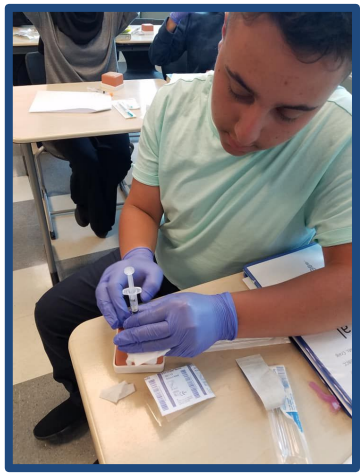
Allied Health Careers



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

YEAR	Course(s)	Certification(s)
ONE	• Criminal Justice - Public Safety & Law (2 hrs Fall) • Criminal Justice - Tools & Techniques (2 hrs Spring)	• CPR/AED/First Aid
TWO	• Adv Criminal Justice - Laws & Ethics (1 hr Fall) • Adv Criminal Justice - Reports & Investigations (1 hr Spring) • Forensic Science • ER Response Training (optional)	• LAPSEN Certification
THREE	• Dual Enroll - Henry Ford Criminal Justice • Dual Enroll - Henry Ford Pre Law • Dual Enroll - Police Academy	

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Criminal Justice and Law Careers

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Pre-Education

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.

YEAR	Course(s)	Certification(s)
ONE	• Pre Education Foundations (2 hrs Fall) • Pre Education Skills (2 hrs. Spring)	• CPR/AED/1st Aid • Bloodborne Pathogens
TWO	• Pre Education Placement	•
THREE	• Dual Enroll - Henry Ford Pre Education • WBL - 600 hours towards CDA/MiSYD	• Child Development Associate (CDA) • Michigan School Aged Youth Development Certificate (MiSYD)

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Pre-Education

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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 wok setting are combined to provide students the 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.

YEAR	Course(s)	Certification(s)
ONE	• Auto Tech 1 • Auto Tech 2	• SP2 Certificates
TWO	• Auto Engine Electrical 3 • Auto Engine Performance 4	• OSHA 10 Hour • CPR / First Aid
THREE	• Auto Brakes/Steering 5 • Adv Auto Tech 6	• ASE Maintenance and Light Repair MLR • Michigan Mechanics License

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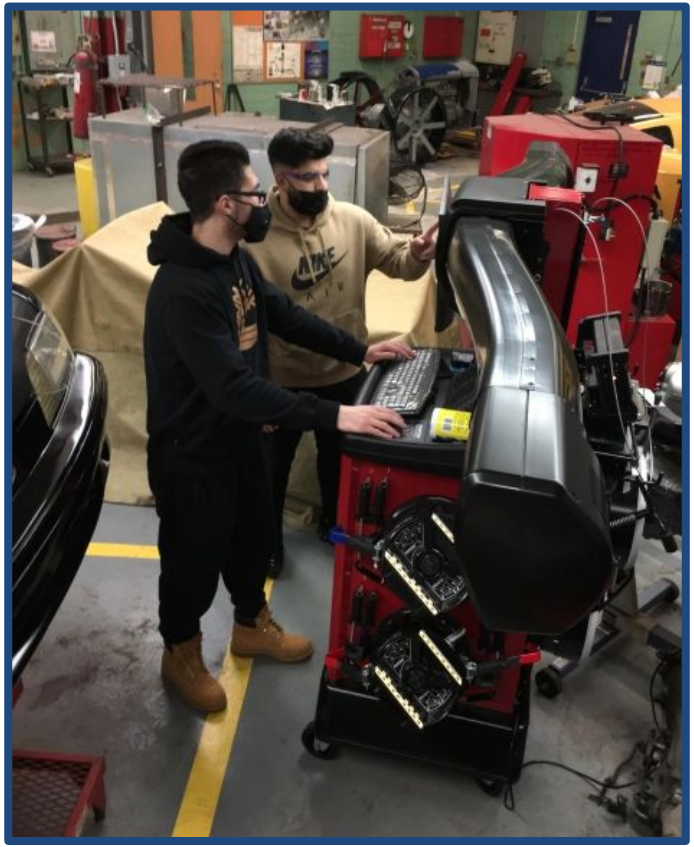
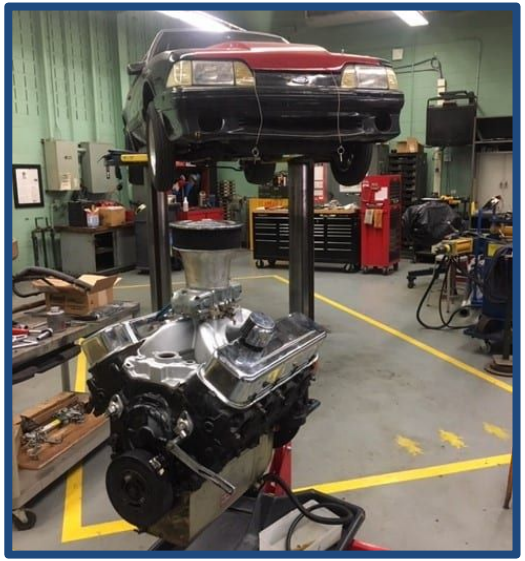
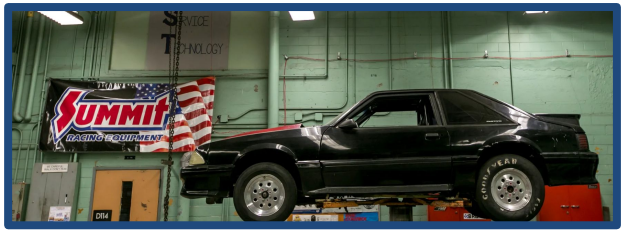
Auto Technician







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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.

YEAR	Course(s)	Certification(s)
ONE	• AP Comp Sci Principles	• AP Credit
TWO	• AP Comp Sci A (Java)	• AP Credit

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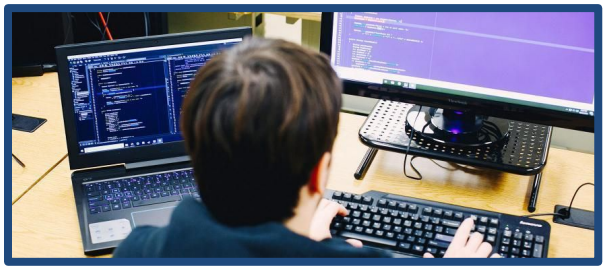
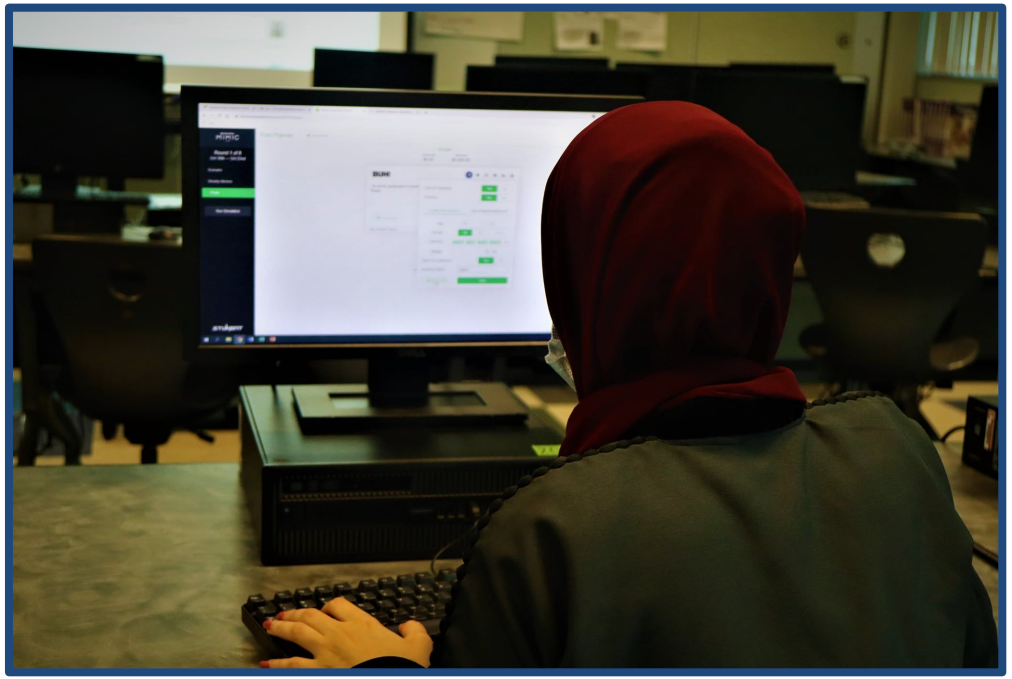
Computer Programming





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Cybersecurity (NEW)

This program prepares students to apply the knowledge and skills of general computer programming to cybersecurity and cyber defense

YEAR	Course(s)	Certification(s)
10th	• AP Comp Sci Principles • Honors Geometry • AP US History	• AP Credit
11th	• AP Comp Sci A (Java) • AP Economics	• AP Credit

12th	• New! Cybersecurity (Optional)	• TestOut and CompTIA Certification
		  ○ IT Fundamentals
		  ○ A+ Technician
		  ○ Network+
		  ○ Security Plus

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Cybersecurity (NEW)

This program prepares students to apply the knowledge and skills of general computer programming to cybersecurity and cyber defense

YEAR	Course(s)	Certification(s)
11th	• AP Comp Sci Principles • Honors Geometry • Econ/Gov	• AP Credit

12th	• AP Comp Sci A (Java)
	• New! Cybersecurity (Optional)
		• AP Credit
		• TestOut and CompTIA Certification
		  ○ IT Fundamentals
		  ○ A+ Technician
		  ○ Network+
		  ○ Security Plus

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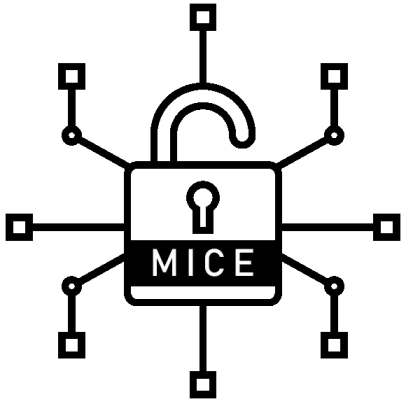
Curriculum

Michigan Initiative for Cybersecurity Education (MICE)

TestOut Courseware

Certiport Certifications

CompTIA Certifications



Michigan Initiative for Cybersecurity Education

Student Learning Expectations for Cybersecurity

Students will:

- Learn with **MICE Online Curriculum and Videos** and **TestOut Simulations**
- Practice hands-on skills in **Dedicated Cybersecurity Lab**
- Prove their knowledge with **CertiPort Certification Exams**
- Earn industry-recognized credentials through **CompTIA Certification Exams**
- Turn credentials into **College Credits** through HFC credit agreements
- Continue learning by completing:
  - **HFC Cybersecurity Certificate of Achievement**
  - **HFC Associates in Applied Science Degree** in Cybersecurity
- Further educational opportunities available in **HFC's Cyber Center**

Continuing Education Options:

Recognized Cyber Center

The Henry Ford College Cyber Center at Henry Ford College is a DHS/NSA recognized Center of Academic Excellence in Cyber Defense Education. HFC is proud to be the **first** community college in Michigan to receive such a prestigious accreditation.

Available programs include:

- Cybersecurity Certificate of Achievement
- Cybersecurity Associate in Applied Science

Transfer to a University Program

HFC's Cybersecurity Associate in Applied Science transfers easily:

- Bachelor of Science in Information Assurance and Cyber Defense Eastern Michigan University
- Bachelor of Applied Science from Siena Heights University
- Bachelor of Science in Computer & Information Systems with a Major in Cybersecurity University of Detroit Mercy

Digital Design (New Info)

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

YEAR	Course(s)	Certification(s)
ONE	• Digital Design Concepts (Formerly Design Concepts 2D, 3D	• TestOut Digital Literacy
TWO	• Adv Digital Certifications (Formerly Software Specialist)	• Microsoft Office Specialist • Adobe Certified Expert • Microsoft Technology Associate • Rhino3D
THREE	• Adv Digital Portfolio (Optional) (Formerly Adv Design Concepts and Adv Software Specialist)	• Professional Digital Media Portfolio

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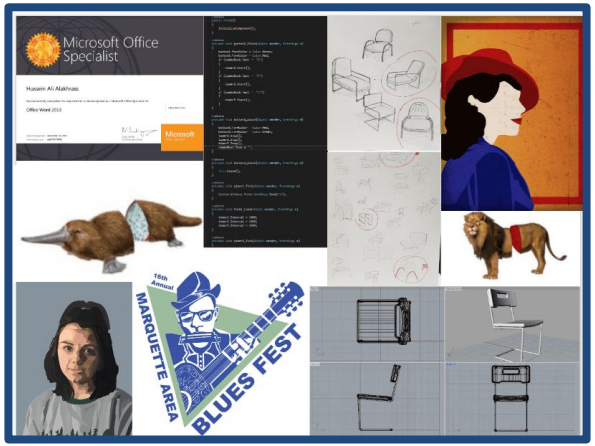
Digital Design



MBCC and CTE Open House

February 21, 2024 4:00pm to 6:30pm, at MBCC

- Tour the facility
- Meet Staff and Students
- View Equipment and Projects in Action
- Talk to Local Colleges about post secondary options
- Talk to Local Employers about job opportunities

John Bayerl (CTE Supervisor) bayerlj@dearbornschools.org

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http://berry.dearbornschools.org

Visit the CTE and MBCC website for:

- Additional Information about our programs.
- The Presentation used in this video (with active links)
- Translated materials for non-English speakers

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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.

Dearborn Public Schools accept a parent's assertion that he or she needs language assistance without requiring additional corroboration. ***For free help with understanding the content of this document, please call the Student Services office 827-3005 for translation/interpretation assistance.***

Arabic تؤكد مدارس ديربورن على توفير خدمات الترجمة بدون أي شرط.للحصول على هذه الخدمة المجانية ولفهم هذه الإستمارة يرجى الإتصال بمكتب خدمات الطلاب على الرقم 827-3005.
French **Les écoles de Dearborn vous offrent le service de traduction sans aucune condition. Si vous souhaitez avoir le service gratuit pour comprendre le contenu de ce document, prière d'appeler le bureau de Services aux Etudiants 827-3005.**
Spanish **Las escuelas de Dearborn aceptan la afirmación de un padre que él o ella necesita ayuda con el idioma sin necesidad de corroboración adicional. Para obtener ayuda gratuita con la comprensión del contenido de este documento, por favor llame a la oficina de Servicios de los Estudiantes 827-3005 para recibir asistencia de traducción / interpretación.**
Italian **Scuole Dearborn accettare l'affermazione di un genitore che lui o lei ha bisogno di assistenza lingua senza bisogno di ulteriori conferme. Per aiuto con la comprensione del contenuto di questo documento, si prega di chiamare l'ufficio Student Services 827-3005 per la traduzione / interpretazione di assistenza.**
Albanian **Shkolla DEARBORN pranojnë pohimin e të prindërve që ai ose ajo ka nevojë për ndihmë të gjuhës pa kërkuar vërtetim shtesë. Për ndihmë falas me kuptuar përmbajtjen e këtij dokumenti, ju lutemi telefononi zyrën e shërbimeve për studentë 827-3005 për përkthim / interpretim ndihmë.**
Romanian **Scolile orasului Dearborn accepta orice declaratie parinteasca care atesta nevoia copilul de assistenta cu limba engleza fara nici o dovada suplimentara. Daca aveti nevoie sa intelegeti acest document da-ti telefon la oficiul serviciilor scolare la numarul 827-3005 pentru a primi asistenta cu translatia** sau interpretarea lui.
Urdu ڈیئر بورن اسکولوں میں والدین کا دعوی ہے کہ وہ یا وہ اضافی تعاون کی ضرورت ہوتی ہے بغیر زبان امداد کی ضرورت ہے کو قبول کرتے ہیں.اس دستاویز کے مواد کو سمجھنے کے سلسلہ مفت 827-3005. میں مدد کے لئے، براہ مہربانی مدد ترجمہ / تشریح کے لئے طالب علم کی خدمات کے دفتر کو کال کریں

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