



# OSTC PROGRAMS, REQUIREMENTS, & EXCHANGES

**Oakland**Schools  
TECHNICAL CAMPUSES

## Arts, A/V Technology & Communication

	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Visual Imaging	1	EXCHANGE	Yes	Yes	Yes	Yes	Yes

## Agriculture, Food & Natural Resources

	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Agriscience and Environmental Technology	1	CREDIT	Yes	Yes	Yes	Yes	Yes

**^ Additional Embedded Credit: Biotechnology (NCAA Approved)**

**^ Available with additional lab work: Biology**

## Architecture & Construction

	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Construction Trades	1	CREDIT	Yes	Yes	Yes	Yes	Yes

## EET (Engineering & Emerging Technology) ^

	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Mechatronics	1	CREDIT	Yes	Yes	Yes	Yes	Yes
Machine Tool Operations / Machine Shop	1	CREDIT	Yes	Yes	Yes	Yes	Yes
Welding, Brazing and Soldering	1	CREDIT	Yes	Yes	Yes	Yes	Yes

**^ Additional Embedded Credit: Technical Physics**

## iTEAM (Marketing & Information Technology)

	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Computer Programming/Programmer	1	CREDIT	Yes	Yes	Yes	Yes	Yes
Digital/Multimedia & Info Resource Design	1	CREDIT	Yes	Yes	Yes	Yes	Yes
Computer Sys Net & Telecommunications	1	CREDIT	Yes	Yes	Yes	Yes	Yes
Marketing Sales and Services	1	EXCHANGE	Yes	Yes	Yes	Yes	Yes

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[MCL 380.1278a](#) and [MCL 380.1278b](#).

+ - To obtain 3<sup>rd</sup> Science Credit/Exchange, World Language Exchange, or Algebra 2 Exchange: Student must earn a district determined passing grade each semester of the CTE program. All OSTC CTE programs are 1 year in length (2 semesters) except for Automotive Technician and Cosmetology which are 2 years in length (4 semesters).

\* VPAA = Visual, Performance, Applied Art

\*\* OLE = Online Learning Experience

^ Programs within this cluster offer additional embedded credit as noted



# OSTC PROGRAMS, REQUIREMENTS, & EXCHANGES

Hospitality & Tourism							
	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Cooking & Related Culinary Arts	1	CREDIT	Yes	Yes	Yes	Yes	Yes

Health Science ^							
	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Health Science	1	CREDIT	Yes	Yes	Yes	Yes	Yes
<b>^ Additional Embedded Credit: Anatomy and Physiology (NCAA Approved)</b>							

Human Services ^							
	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Cosmetology	2	CREDIT	Yes	Yes	Yes	Yes	Yes
<b>^ Additional Embedded Credit: Functional Biochemistry</b>							

Transportation, Distribution & Logistics							
	Yrs@OSTC	3 <sup>rd</sup> Science Credit/Exchange+	World Lang Exchange+	Alg 2 Alignment Exchange+	4 <sup>th</sup> Math 12 <sup>th</sup> Grade	VPAA*	OLE**
Collision Repair Tech (NATEF Certified)	1	CREDIT	Yes	Yes	Yes	Yes	Yes
Automobile Tech (NATEF Certified)	2	CREDIT	Yes	Yes	Yes	Yes	Yes
Medium/Heavy Truck Tech (NATEF Certified)	1	CREDIT	Yes	Yes	Yes	Yes	Yes

## ADDITIONAL CREDIT OPPORTUNITIES

Academic Courses: Taught by Highly Qualified Instructor:

- ELA 12
- PHYSICS (NCAA Approved)
- ALGEBRA 2 (NCAA Approved)

Credit Recovery: Online Delivery Through Edgenuity

- ALGEBRA 1, GEOMETRY
- ELA 9, 10, 11
- OTHER COURSES AS REQUESTED BY SENDING SCHOOL OR STUDENT

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+ - To obtain 3<sup>rd</sup> Science Credit/Exchange, World Language Exchange, or Algebra 2 Exchange: Student must earn a district determined passing grade each semester of the CTE program. All OSTC CTE programs are 1 year in length (2 semesters) except for Automotive Technician and Cosmetology which are 2 years in length (4 semesters).

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^ Programs within this cluster offer additional embedded credit as noted



# QUICK REFERENCE CREDIT CHART

See Credit Equivalency Guide For More Detail

Academic Credit Offered (Embedded Within Program) Or (MMC Approved Exchange/Option)	Instructional Delivery	Agriscience & Environment Technology	ITEAM	Construction	Cosmetology	Culinary / Hospitality	EET (Engineering)	Health Science	Transportation	Visual Imaging
4 <sup>th</sup> Year Math Credit	Available in all clusters Approved as 4th Year Math Credit	X	X	X	X	X	X	X	X	X
Algebra 2 Alignment (Meets Alg 2 Benchmarks on State Assessment)	Collaborative Teaching* Model (HQ** Math and CTE Instructor)	X	X	X	X	X	X	X	X	X
3 <sup>rd</sup> Science Credit/Exchange (Student Must Complete Program)	Available in all clusters MMC Option	X	X	X	X	X	X	X	X	X
World Language – 1 credit (Student Must Complete Program)	Available in all clusters MMC Option	X	X	X	X	X	X	X	X	X
Anatomy and Physiology (NCAA Approved)	Collaborative Teaching* Model (HQ** Science and CTE Instructor)							X		
Functional Biochemistry	Collaborative Teaching* Model (HQ** Science and CTE Instructor)				X					
Technical Physics	Collaborative Teaching* Model (HQ** Science and CTE Instructor)						X			
Biotechnology (NCAA Approved)	Collaborative Teaching* Model (HQ** Science and CTE Instructor)	X								
<b>Academic Courses – Not Embedded (Students pulled from cluster for instruction, or complete added content within cluster)</b>	<b>Instructional Delivery</b>									
Algebra 2 (Full Course) (NCAA Approved)	HQ** Math Instructor	X	X	X	X	X	X	X	X	X
ELA 12	HQ** ELA Instructor	X	X	X	X	X	X	X	X	X
Physics (NCAA Approved)	HQ** Science Instructor	X	X	X	X	X	X	X	X	X
Biology	HQ** Science Instructor	X								
<b>Credit Recovery Options</b>	<b>Instructional Delivery</b>	<b>To be arranged directly between District / Campus Administration</b>								
Algebra 1, Geometry	HQ** Math Coach On-Line Through Edgenuity	X	X	X	X	X	X	X	X	X
ELA 9, 10, 11	HQ** ELA Coach On-Line Through Edgenuity	X	X	X	X	X	X	X	X	X
Others courses as requested by sending school / student	HQ** Coach On-Line Through Edgenuity	X	X	X	X	X	X	X	X	X

# - Academic Credit Accepted by 28 School Districts

\* - Collaborative Teaching Model- This model has the involvement of at least one certified CTE teacher and at least one highly qualified teacher of the core academic subject

\*\* - HQ: Highly Qualified Instructor



# OAKLAND SCHOOLS CFE

## REPORTING BACK TO DISTRICTS

**OaklandSchools**  
**TECHNICAL CAMPUSES**

COURSE/REQUIREMENT	CRITERIA	COURSE TITLE	GRADE	REPORTING METHOD BACK TO SENDING SCHOOL
<b>OSTC CTE Course</b>	Accepted into an OSTC CTE program	"OSTC PROGRAM NAME"	Traditional Grade Earned	Delivered each semester/quarter
<b>Credit Recovery Course</b>	Enrolled in OSTC CTE program and requested Academic Credit Recovery	"ACADEMIC COURSE" with A (First Half) or B (Second Half) listed next to it	Traditional Grade Earned	Delivered each semester/quarter
<b>Academic Embedded Science Credit: Available in Certain Clusters<sup>^</sup></b>	Enrolled in a OSTC CTE program that offers a true embedded science credit <sup>^</sup> and requests to earn additional true science credit	"ACADEMIC COURSE" specific title	Traditional Grade Earned (May be different than grade earned in CTE course)	Delivered each semester/quarter
<b>4<sup>th</sup> Year Math Related</b>	12 <sup>th</sup> Grade Students. All OSTC CTE programs standards encompass enough <i>math related content</i> to award credit if district determines	"CTE PROGRAM NAME" w/ MATH listed in title	Same grade as CTE course. 2015-2016 will be last year reporting 4 <sup>th</sup> Math. Years following: districts can use CTE course grade to issue 4 <sup>th</sup> Math Credit	Delivered each semester/quarter
<b>MMC Allowable: WORLD LANGUAGE EXCHANGE</b>	Enrolled in a OSTC CTE program and successfully complete program*	-	No Grade Issued. Can only receive exchange credit if successfully completes CTE program	General statement on sending report
<b>MMC Allowable: 3<sup>rd</sup> Science Credit/Exchange</b>	Enrolled in OSTC CTE program and successfully complete program*	-	No Grade Issued. Can only receive exchange if successfully completes CTE program	General statement on sending report
<b>MMC Allowable: ALGEBRA 2 EXCHANGE</b>	Enrolled in OSTC CTE program and successfully complete program* and request Algebra 2 exchange option to participate in additional push in Algebra 2 content within CTE program	-	No Grade Issued. Can only receive exchange if successfully completes CTE program and participates in additional push in Algebra 2 content	Reported at end of the year for students that request

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\* - All OSTC CTE programs are 1 year in length (2 semesters) except for Automotive Technician and Cosmetology which are 2 years in length (4 semesters). To successfully complete a CTE program a student must earn a district determined passing grade each semester of the program

<sup>^</sup> - True embedded science credits are offered in the following clusters: Health (Anatomy/Physiology), EET (Technical Physics), Cosmetology (Functional Biochemistry), and Environmental Science (Biotechnology)

# DETAIL: MMC REQUIREMENTS & ALTERNATIVE OPTIONS

Michigan Merit Curriculum HB 4465 and 4466 –June 12, 2014

Enrolled: Public Acts 208 and 209 of 2014; Effective: Begins 2014-15 School Year with 2015 Graduates (WL for 2016 Graduates)

Diploma Requirement	Total # of Credits	Alternative Options w/o a Personal Curriculum	Alternative Options w/ a Personal Curriculum
<b>Mathematics</b>	4 Credits: <ul style="list-style-type: none"> <li>1 cr Algebra</li> <li>1 cr Geometry</li> <li>1 cr Algebra II</li> <li>Flexibility in 4th credit</li> <li>At least one credit in Final Year of HS (Final two years with a PC)</li> </ul>	<ul style="list-style-type: none"> <li>List of mathematics courses could be substituted including Financial Literacy.</li> <li>Algebra II can be taken over two years for two credits; or 1 ½ years for 1 ½ credits.</li> <li>Algebra II can be substituted with a State approved formal CTE Program* provided that a student successfully completes the <b>same content as Algebra II benchmarks</b> assessed on State Assessment in that program.</li> <li>completes <b>same content as Algebra II</b> in two years</li> </ul>	Personal Curriculum can be used for the student to attain at least 3½ credits in Mathematics including Algebra, Geometry, and 1 credit during the final two years of High School. Modifications can also be made in the Algebra II requirement as stated in MCL 380.1278b: <ul style="list-style-type: none"> <li>completes 1 semester of Statistics, Functions and Data Analysis</li> <li>Completes Technical Math (District defined).</li> </ul>
<b>Science</b>	3 Credits: <ul style="list-style-type: none"> <li>1 cr Biology</li> <li>1 cr Chemistry, Physics, Anatomy or Ag Science</li> <li>1 additional credit</li> </ul>	<ul style="list-style-type: none"> <li>Chemistry or Physics may be substituted with a course that covers the <b>same content as the Chemistry or Physics benchmarks</b> assessed on State Assessment in that course.</li> <li>The 1 credit may be an MDE-approved Computer Science or formal State approved CTE Program* (regardless of the CTE program. Exchange rather than credit if CTE program does not have integrated science content)</li> </ul>	Cannot be modified by a Personal Curriculum except for Students w/ an IEP.
<b>English Language Arts</b>	4 Credits		Cannot be modified by a Personal Curriculum except for Students w/ an IEP.
<b>Social Science</b>	3 Credits: <ul style="list-style-type: none"> <li>1 cr US History and Geography</li> <li>1 cr World History and Geography</li> <li>½ cr Economics</li> <li>½ cr Civics</li> </ul>		Personal Curriculum can be used to modify the requirements if the student has: <ol style="list-style-type: none"> <li>completed 2 cr including Civics, AND</li> <li>the modification requires the student to <b>complete</b> 1 add'l cr in ELA, Math, Science Language other than English, OR a State approved formal CTE program.</li> </ol>
<b>Health and Physical Education</b>	<ul style="list-style-type: none"> <li>½ cr Health</li> <li>½ cr Physical Education</li> </ul>	<ul style="list-style-type: none"> <li>½ cr in Physical Education is allowed for participation in extracurricular athletics or related physical activity – note this is already allowed under MCL 380.1502</li> </ul>	Personal Curriculum can be used to modify the requirements if the student <b>completes</b> 1 add'l cr in ELA, Math, Science, Language other than English, OR a State approved formal CTE program.* AND still meets the requirement of MCL 380.1502

## DETAIL: MMC REQUIREMENTS & ALTERNATIVE OPTIONS

Diploma Requirement	Total # of Credits	Alternative Options w/o a Personal Curriculum	Alternative Options w/ a Personal Curriculum
<b>Visual Arts, Performing Arts or Applied Arts</b>	<ul style="list-style-type: none"> <li>At least 1 cr</li> </ul>	<ul style="list-style-type: none"> <li>A school district or PSA is “strongly encouraged” to offer Visual / Performing Arts courses.</li> </ul>	Personal Curriculum can be used to modify the requirements if the student <b>completes</b> 1 add’l cr in ELA, Math, Science Language other than English, OR a State approved formal CTE program.*
<b>On-line Course Experience</b>	<ul style="list-style-type: none"> <li>At least 1 course or on-line learning experience as MDE appvd, OR</li> <li>An integrated on-line experience.</li> </ul>		
<b>Language other than English</b>	<ul style="list-style-type: none"> <li>At least 2 cr in Grades K-12</li> <li>Course content must be grade appropriate (not HS equivalent).</li> </ul>	<ul style="list-style-type: none"> <li>For 2015-16 thru 2019-20:                             <ul style="list-style-type: none"> <li>1 cr may be substituted with a State approved formal CTE Program/Curriculum* OR</li> <li>1 cr may be substituted with additional Visual / Performing Arts instruction.</li> </ul> </li> <li>Board is “strongly encouraged” to provide at least 1 cr in Language other than English in Grades K-6.</li> </ul>	

### Changed Requirements include:

- If a Personal Curriculum is requested, the school district / PSA shall develop a Personal Curriculum. An in-person meeting is not required. However, the parent and school official must still agree on the implementation of a Personal Curriculum. Quarterly follow-ups are no longer required.
- School districts or PSAs shall not discourage pupils seeking and receiving a personal curriculum modification.
- A School district and PSA annually shall notify pupils and parents of the Michigan Merit Curriculum and Personal Curriculum modifications; such notice can be provided in a newsletter, student handbook or similar communication that is sent to pupil’s home.
- During the process of developing students’ Education Development Plans (EDP), school districts and PSAs shall advise students of the curricular requirements and how those requirements can be fulfilled in CTE programs

\*A formal CTE Program is defined in the [Michigan Administrative Code](#). According to R 395.241, Rule 11, a “**Department approved formal CTE program or curriculum**” consists of:

- A coherent sequence of courses so that students gain academic, technical, and work behavior skills.
- Instruction that includes classroom, laboratory, work based learning, and leadership opportunities.
- Instruction that is supervised, directed, or coordinated by an appropriately certificated career and technical education teacher.
- Consists of standards approved by the state board ([R395.243](#), Rule 13)
- Must receive approval from MDE/OCTE through an application process (R 395.244, Rule 14)

According to R 395.243, Rule 13 “**Successful Completion**” mean:

- Complete coursework covering all state program standards
- Take any required technical assessment