



OaklandSchools Technical Campuses

Course Catalog

The Purpose Behind the Course Catalog

Provides complete descriptions of the OSTC programs.

- OSTC courses are often mislabeled as electives.
- Colleges may discount them as non-rigorous.

Clear recommendations for transcript documentation.

- Course names on the transcript should match what is in the Course Catalog.
- This provides a clear way to document Science Exchanges and 4th Year Math Courses on transcripts.

Flags NCAA-approved courses with transcript guidance.

- NCAA-bound athletes risk losing eligibility if courses aren't coded correctly.
- Students potentially miss out on opportunities.

Designed to help counselors and post-secondary institutions recognize the opportunities and rigor OSTC provides in the programs that are offered.

Why Does it Matter?

- OSTC students pursue advanced programs in science, technology, health and trades.
- OSTC students have opportunities to incorporate hands-on labs, clinicals, specialized coursework and certifications to be college and career ready.
- OSTC students should have the opportunity to have their accomplishments reflected in their academic record/transcript.

Course: Anatomy & Physiology

Current Practice

- One district may code it on a transcript as an elective.
- One district may code it on a transcript as a science course
- One district might not include as a separate course from the OSTC Program

Reality

- Curriculum is science-heavy, rigorous, and college-prep content.
- Content standards match those for an Anatomy & Physiology course that might be offered in the sending school.

Recommendation

- List course on the Academic Record/Transcript separate from the OSTC Health Sciences Cluster.
- Indicate the course is a science course that can fulfill the Michigan Merit Curriculum.

Why It Matters

- Provides students with an accurate representation of the course rigor.
- Students may be able to have a college recognize the course as a core academic in their college application review of their Academic Record/Transcript.

Course: CTE/VPAA/Science Exchanges

and 4th Year Math

Recommendation

- Use the titles for the Exchanges and Math credit to the Academic Record/Transcripts. (Math for... and Science for...).
- Credit Value is at the discretion of the district.
 - Allows for transparency.
 - Student receive proper documentation of completed coursework.
 - Credit Value is at the discretion of each district.
 - Students can earn 1.5 credit each semester for the OSTC Program & 0 credit for the Exchange and/or 4th Math but it is listed on the transcript (for 0 credit).
 - Students can earn 1.0 credit each semester for the OSTC Program and 0.5 credit for the Exchange or 4th Math.
 - Students can earn 0.5 credit each semester for the OSTC Program, 0.5 credit for the Exchange, and 0.5 credit for the 4th year Math.



OaklandSchools Technical Campuses

Transcript Course Names

Course Names: Why Is This Important

- Allows for Accuracy, Consistency and Transparency.
- Guides College Admissions Representatives.
 - Ease of looking for the course in the course catalog.
 - Assists in the process for determining if a course would be counted as a core course in the application process for a college/university review.

Course Names: Why Is This Important

NCAA Approved Courses

Course Name	Credit Value	Department	Campus (NCAA#)
Anatomy/Physiology	1	Science	NE (851175), NW (230631), SE (233259), SW (851174)
Biotechnology	1.0 (Year 1 of Agriscience)	Science	NW (230631), SW (851174)
Engineering, Robotics & Mechatronics	1	Science	NE (851175), NW (230631), SE (233259), SW (851174)
Physics	1	Science	NW (230631)

Course Names: Why Is This Important

OSTC Programs (A-E)

Course Name	Credit Value	Dept. Designation*	Campuses
Agriscience & Environmental Technologies (Year 1 – 2.0 Agriscience & 1.0 Biotechnology)	3	Science/CTE/VPAA)	NW, SW
Automotive Technology	3	Science (for Biotechnology)	All
Collision Repair & Refinishing	3	CTE/VPAA	All
Computer Programming	3	CTE/VPAA	NE, SW, SW
Construction Technology	3	CTE/VPAA	NE, NW, SE
Cosmetology (Year 1 – 2.0 Cosmetology & 1.0 Functional Biochemistry)	3	CTE/VPAA	NE
Criminal Justice	3	CTE/VPAA	SE
Culinary Arts & Hospitality	3	CTE/VPAA	ALL
Cybersecurity Networking	3	CTE/VPAA	SE, SW
Energy-Electrical Technologies	3	CTE/VPAA	NW, SE

*Graduation Requirement Fulfillment & Department Designation

Course Names: Why Is This Important

OSTC Programs (E-W)

Course Name	Credit Value	Dept. Designation*	Campuses
Engineering, Robotics & Mechatronics	3	CTE/VPAA	All
Entrepreneurship & Advanced Marketing	3	CTE/VPAA	All
Graphic & Communication Design	3	CTE/VPAA	NW, SE, SW
Health Sciences	3	CTE/VPAA/Science	All
Machining	3	CTE/VPAA	NE
Medium/Heavy Truck & Equipment	3	CTE/VPAA	SW
Welding	3	CTE/VPAA	NE, SE, SW

*Graduation Requirement Fulfillment & Department Designation

Course Names: Why Is This Important

Academic Courses (Math)

Program	Credit or Exchange Value	Dept. Designation*	Campuses	Year Taken
Algebra 2 Exchange	1	Math	Must be in Auto Tech for 2 yrs. To be eligible for the Algebra 2 Exchange	3rd or 4th Yr Math
Functional Biochemistry	1	Science	NE	Yr 1 of Cosmetology
Math for Agriscience & Environmental Technology	1	Math	NW, SW	4th Year Math
Math for Automotive Technology	1	Math	All	4th Year Math
Math for Collision Repair & Refinishing	1	Math	All	4th Year Math
Math for Computer Programming	1	Math	All	4th Year Math
Math for Construction Technology	1	Math	NE, NW, SE	4th Year Math
Math for Cosmetology	1	Math	NE	4th Year Math
Math for Criminal Justice	1	Math	SE	4th Year Math

*Graduation Requirement Fulfillment & Department Designation

Course Names: Why Is This Important

Academic Courses (Math)

Program	Credit or Exchange Value	Dept. Designation*	Campuses	Year Taken
Math for Culinary Arts & Hospitality	1	Math	All	4th Year Math
Math for Cybersecurity Networking	1	Math	SE, SW	4th Year Math
Math for Energy & Electrical Technology	1	Math	NW, SE	4th Year Math
Math for Engineering, Robotics & Mechatronics	1	Math	All	4th Year Math
Math for Entrepreneurship & Advanced Marketing	1	Math	All	4th Year Math
Math for Graphic Communication & Design	1	Math	NW, SE, SW	4th Year Math
Math for Health Science	1	Math	All	4th Year Math
Math for Machining	1	Math	NE, SW	4th Year Math
Math for Medium/Heavy Truck & Equipment	1	Math	SW	4th Year Math
Math for Welding	1	Math	NE, SE, SW	4th Year Math

*Graduation Requirement Fulfillment & Department Designation

Course Names: Why Is This Important

Academic Courses (CTE/Science)

Program	Credit or Exchange Value	Dept. Designation*	Campuses	Year Taken
Personal Finance	1	CTE	All	4th Year
Physics (Engineering, Robotics & Mechatronics)	1	Science	NW	4th Year
Precalculus and/or Calculus (Engineering, Robotics & Mechatronics)	1	Math	NW	4th Year
Science for Agriscience & Environmental Technology	1	Science	NW, SW	4th Year
Science for Automotive Technology	1	Science	All	3rd & 4th Year
Science for Collision Repair & Refinishing	1	Science	All	4th Year
Science for Computer Programming	1	Science	All	4th Year
Science for Construction Technology	1	Science	NE, NW, SE	4th Year
Science for Cosmetology	1	Science	NE	3rd & 4th Year
Science for Criminal Justice	1	Science	SE	4th Year

*Graduation Requirement Fulfillment & Department Designation

Course Names: Why Is This Important

Academic Courses (Science)

Program	Credit or Exchange Value	Dept. Designation*	Campuses	Year Taken
Science for Culinary Arts & Hospitality	1	Science	All	4th Year
Science for Cybersecurity Networking	1	Science	SE, SW	4th Year
Science for Energy & Electrical Technology	1	Science	NW, SE	4th Year
Science for Engineering, Robotics & Mechatronics	1	Science	All	4th Year
Science for Entrepreneurship & Advanced Marketing	1	Science	All	4th Year
Science for Graphic Communication & Design	1	Science	NW, SE, SW	4th Year
Science for Health Science	1	Science	All	4th Year
Science for Machining	1	Science	NE, SW	4th Year
Science for Medium/Heavy Truck & Equipment	1	Science	SW	4th Year
Science for Welding	1	Science	NE, SE, SW	4th Year

*Graduation Requirement Fulfillment & Department Designation