



A Program Catalog

OSTC

Discover your passion
Create your dream



OaklandSchools
TECHNICAL CAMPUSES

www.OSTCOnline.com

Get the 411 on OSTC!

Table of Contents

- 1** | **So, what is OSTC, anyway?**
- 2-3** | **FAQs (Frequently Asked Questions)**
- 4-21** | **Your OSTC course selection guide**
- 22** | **Academic Offerings**
- 23** | **Check out OSTC today! (applications process)**
- 24** | **OSTC location Map**

Joe Jelasic Seaholm High School

"Oakland Schools Technical Campus has had a tremendous impact on my path toward occupational success. The school, and its dedicated staff, strives to individually improve each and every student that walks through their doors.

On a personal level, OSTC has made more of a difference in my life than any other tutelage I have ever received. It has allowed me to expound on my technical knowledge by offering me closely guided hands-on experience both in the classroom and on a work study program as a paid intern with the campus own Network Administrator.

The school exudes a positive and supportive environment tailored to learning and personal growth. Any student would be privileged to have the opportunity to attend such a superb institute."

So, what is OSTC anyway?

Connect your dreams and goals with career success!

OSTC (Oakland Schools Technical Campus) is a valuable extension of your high school and brings you customized, self-directed learning that guides you toward future career success. Your career training and skill development takes place at one of four, state-of-the-art, multi-million dollar technical campuses in Oakland County.

At OSTC, you can find your career direction, fulfill high school graduation requirements, earn college credits, join student organizations and make new friends who share your interests. Whether you plan to attend OSTC to get a jump on college credit offerings or earn industry-based certifications to immediately pursue a career, OSTC's industry and educationally certified staff will guide you in reaching your career goals. Did you know that 69 percent of all Oakland Schools Technical Campus students are enrolled in a university, technical school or college?

Our wide-range curriculum offerings are found in nine nationally-recognized career "clusters" and developed around broad occupational areas. Each career cluster provides concentrated learning through different, yet related, career options.

These nine clusters include:

THREE EMERGING SECTOR CLUSTERS

(for today's upcoming careers)

- Biotechnology & Environmental Science
- Business, Management, Marketing, and Technology
- Engineering/Emerging Technologies

SIX OTHER POPULAR CLUSTERS

- Construction Technology
- Cosmetology/Human Services
- Culinary Arts/Hospitality
- Health Sciences
- Transportation Technology
- Visual Imaging

And, believe it or not, OSTC IS FREE to you and your school! Transportation is also provided by your home school.

OSTC, It's all that... and more!

OSTC offers you huge opportunities for learning career skills and preparing for your future.

Spend half of your school day at your home school and half of the day at a technical campus.

You can choose either a morning or afternoon session, and experience the following OSTC opportunities:

- Advanced applied academics
- Field trips
- Meet students from other school districts with similar interests and passion
- Paid and unpaid internships
- Self-directed and group learning
- Student organizations
- Work-based training experiences

Note: Graduating seniors completing only one year of a two-year OSTC program may return for a second year; if space is available (a tuition fee will apply).

Your Future Begins at

OSTC

FAQS

(Frequently Asked Questions)



Who attends OSTC?

If you're a student serious about your future, check out OSTC. Many OSTC students have serious college pursuits, and others are preparing for careers after high school. High school juniors and seniors at least 16-years-old can attend OSTC.

Why should I attend OSTC?

OSTC gives you an edge in this competitive, global economy. Acquire specific, technical knowledge and skills, whether in robotics, hydroponics, business management, computer repair, nursing, video gaming, and more. Earn high school credits, participate in leadership opportunities, join student organizations, and spend half of your school day in a new and inspiring environment... all preparing you for a successful future.

Where is each campus, which do I attend, and how do I get there?

There are four Oakland Schools Technical Campuses. Find your school district below, and you'll find your campus. You can be bused from your high school to the technical campus in your area:

Northeast Campus welcomes students from Avondale, Lake Orion, Oxford, Pontiac and Rochester schools. Call 248 451.2700, 1371 N. Perry, Pontiac, MI 48340.

Northwest Campus welcomes students from Brandon, Clarkston, Holly and Waterford schools. Call 248 922.5800, 8211 Big Lake Road, Clarkston, MI 48346.

Southeast Campus welcomes students from Berkley, Birmingham, Bloomfield Hills, Clawson, Ferndale, Hazel Park, Lamphere, Madison Heights, Oak Park, Royal Oak, Southfield, and Troy schools. Call 248 288.4020, 5055 Delemere Street, Royal Oak, MI 48073.

Southwest Campus welcomes students from Clarenceville, Farmington, Huron Valley, Northville, Novi, South Lyon, Walled Lake and West Bloomfield schools. Call 248.668.5600, 1000 Beck Road, Wixom, MI 48393.

Your school will provide transportation to the OSTC campus closest to you... for real!

How do I make OSTC fit my home high school schedule?

You begin the enrollment process by setting up an appointment with your high school counselor to balance academic and elective requirements while you attend OSTC. We also can work with your high school counselor to provide academic credit that you may need for graduation.

What exactly are clusters?

OSTC's clusters are specific courses developed around broad occupational areas, offering you varied but related, career training options. These facilitated learning environments will help you manage your EDP (Educational Development Plan), work individually and in small groups, and complete course requirements at your own pace.

The cluster learning environment provides you with the highest level of curriculum, meets the needs of a diverse population, and immerses you in a realistic career experience for one to two years of career training. Your OSTC cluster instructors possess state and national certifications and credentials. Staff members work in teams and have the technical expertise and knowledge used to deliver quality instruction and support.

How do I learn more, and apply to OSTC?

You can begin to learn about all of the great opportunities available at OSTC as early as middle school. As a freshman or sophomore you can make arrangements with your high school counselor to visit the technical campus. Then, as a high school junior or senior, you can apply by following these steps:

- **Obtain** an application form at your high school or go online to www.OSTCOnline.com
- **Visit** your school counselor or call an OSTC counselor for more information (see contact information inside back page)
- **Attend** an open house or schedule a campus tour
- **Update** your Educational Development Plan (EDP)
- **Turn in** your completed application and your EDP to your school counselor

Biotechnology and Environmental Science

Provides you with the skills necessary to enter universities and/or community colleges.

Employment opportunities also exist in various agriscience and environmental fields.

Biotechnology and Environmental Science includes instruction in:

- **Plant Systems, including Hydroponics, Tissue Culture, and Aquaculture**
- **Animal Systems, including Veterinary Sciences**
- **Environmental and Natural Resource Systems**
- **Agribusiness and Marketing**

Essential Skills

- Ability to work both independently and as part of a team
- Basic math and all sciences
- Basic art and design
- Able to relate to plants, animals and nature

Equipment/Uniforms Needed

- You must dress appropriately for both the class and seasons and prepare to work in a variety of conditions, including outdoors with plants, animals, and water.
- Students with environmental and/or animal allergies may need to consider an alternate program.

Certifications

These may vary by technical campus, so contact the campus you plan on attending for more information. Examples include:

- Michigan Certified Nurseryman
- Michigan Certified Florist
- Vet Assistant Career Diploma
- Pet Groomer Career Certificate
- Certified Pesticide Applicator
- Wildlife and Forestry Career
- Certified Landscape Technician

Credit

Upon successful completion of the course, you will earn high school elective and/or academic credit. College credit is also available through articulation and/or direct college credit. Some colleges that accept technical campus credit include:

- Ferris State University
- Michigan State University
- Oakland Community College

Contact a technical campus counselor for more information on high school and/or college credit.

Student Organizations

You can participate in regional, state and national competitions and activities for FFA, an integral part of the curriculum.

Future Career Options

Examples of careers in Biotechnology and Environmental Science may include:

- Veterinary Technician
- Laboratory Animal Care Technician
- Biotechnology Lab Assistant
- Landscaper
- Floral Designer
- Wildlife Manager and Conservationist
- Forestry
- Pet Groomer



Business, Management, Marketing, and Technology

Prepares you for college opportunities in the business and technology fields as well as for entry-level employment. Attend for one or two years, and experience individual learning projects, group projects, field trips, and hands-on activities. Receive extensive training in oral and written communications, problem-solving and critical thinking, career preparation and development, research, leadership, and teamwork. Four different career opportunities include:

- **Business Management and Ownership**
- **Database Administration and Programming**
- **Network Administration and PC Support**
- **Web Development**

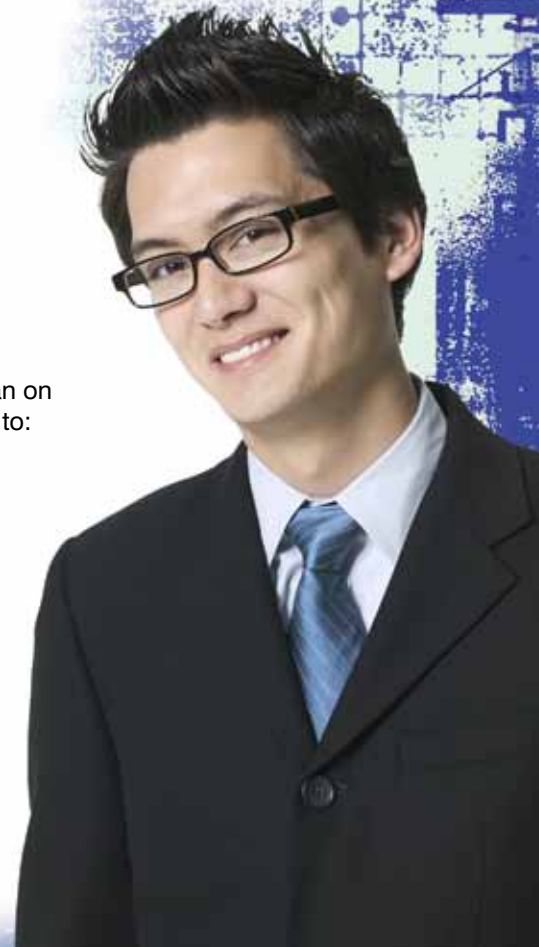
Helpful Skills

- The ability to work independently and manage time
- Teamwork and collaboration
- Basic computer knowledge and keyboarding skills
- Basic math, reading and composition skills
- Willingness to participate in public speaking assignments

Certifications

These may vary by technical campus, so contact the campus you plan on attending for more information. Examples include but are not limited to:

- Microsoft Computer Application Specialist (MCAS) 2007
- Microsoft Certified Professional (MCP)
- A+ Certification
- Network+
- Certified Novell Administrator
- Certified Internet Webmaster Associate (CIW)
- Certified Internet Webmaster Professional (CIW)
- Dreamweaver & Developer Certification
- Flash MX 2004 Designer Certification
- Michigan Real Estate Salesperson License
- Certificate in Entrepreneurship through a partnership with Macomb Community College
- Internet & Computing Core IC3 Certificate
- Customer Service Certification



Articulated college credit is available:

Upon successful completion of the course, you will earn high school elective and/or academic credit. College credit also is available through articulation and/or direct college credit. Some colleges that accept technical campus credit include:

- Baker College
- Ferris State University
- Macomb Community College (12 direct college credits)
- Oakland Community College

Contact a technical campus counselor for more information on high school and/or college credit.

Student Organizations

Participate in regional, state and national competitions for:

- Business Professionals of America (BPA)
- SkillsUSA
- DECA
- Global Trade Mission

Student organizations may vary by campus.

Future Career Options

Examples of careers in Business, Management, Marketing, and Technology may include:

- Business Manager and/or Owner
- Customer Service Representative
- Market Research Analyst
- Technical Support Representative
- Software Engineer
- Helpdesk Staffer
- Network Administrator
- Real Estate and/or Mortgage Representative
- Court Reporter
- Web Designer
- Entrepreneur



Other Popular Clusters

Do you have an interest in a career in health, visual imaging, automotive technology, construction, culinary, or cosmetology? Then one of our OSTC popular clusters may be exactly right for you!

Health Sciences

Is a one- or two-year program that provides you with a combination of classroom instruction and clinical experiences. Explore health careers through student research, field trips, job shadowing and internships in healthcare environments. Identify careers that match your interests, aptitude and expectations that can lead to a number of career options.

Essential Skills

- Basic math, science and computer knowledge is helpful
- Detail-oriented
- Enjoy working with people
- Respect for diversity
- Self-directed
- Strong verbal and communication skills

Possible Career Options

- Dental Assisting
- Medical Records
- Nursing
- Paramedic/EMT
- Pharmacy Assisting
- Physical Therapy Aide
- Certified Nurses Assistant



Articulated college credit is available through colleges such as:

- Baker College
- Ferris State University
- Oakland Community College

See a technical campus counselor for a complete list.

Certifications Available

- CNA Assistant
- CPR with AED Training (Automated External Defibrillator)
- First Aid Certification

Contact a technical campus counselor for more information.

Student Organizations

- Health Occupations Students of America (HOSA)



Visual Imaging Technology

Provides an opportunity to learn skills to develop a portfolio for admission into community colleges, universities, specialized training programs, apprenticeships and/or for entry-level employment opportunities in the arts and communications fields. Discover how to plan, express, interpret ideas and solve visual problems through a variety of mediums. Visual Imaging includes the areas of:

- Audio/Video Production and Film
- Design and Visual Arts
- Graphic Communication
- Interactive Media/Design

Helpful Skills

- Teamwork and collaboration
- Basic computer knowledge and keyboarding skills
- Basic math skills
- Verbal communication skills
- Good eye/hand coordination
- Attention to detail and interest in producing quality work

Certifications

- Five PRINT ED national certifications are available through the Graphic Arts Education Research Foundation (GAERF). They include:
 - Introduction to Graphic Communications
 - Digital File Preparation
 - Offset Press Operations
 - Binding and Finishing
 - Digital File Output
- Adobe Certified Expert

As certifications vary by technical campus, contact the campus you plan to attend for more information.



Credit

Upon successful completion of the course, earn high school elective and/or academic credit. College credit also is available through articulation and/or direct college credit. Some colleges that accept technical campus credit include:

- Baker College
- College of Creative Studies
- Delta College
- Ferris State University
- International Academy of Design and Technology

Contact a technical campus counselor for more information on high school and/or college credit.

Student Organizations

Participate in regional, state and national competitions for SkillsUSA. Some campuses also participate in local and national visual arts competitions. Student activities may vary by campus.

Future Career Options

Examples of careers in Visual Imaging may include:

- Illustrator for a publication or animated film
- Videographer/Photographer
- Editor
- Web Designer
- Video Game Designer
- Graphic Designer



Transportation Technology

Is an intensive technical program that is designed to prepare you with the skills necessary to successfully enter transportation careers. In this one- or two-year course, gain core and foundation skills related to gas and diesel engine theory; auto collision repair and refinishing; automotive mechanical technician principles; motorcycle and marine power equipment; engine repair; and computerized diagnostic equipment. Gain competency in safety concepts, equipment operation, and measuring. Technical training competencies are based upon state/national licensing and credentialing requirements. Qualified students may test for state and national certifications. Learn:

- **Automotive Technology**
- **Collision Repair**
- **Light/Medium/Heavy Truck and Equipment**
- **Power Equipment**

Helpful Skills

- Ability to follow step-by-step directions
- Attention to detail
- Basic mathematical skills
- Good physical condition
- Problem-solving skills

Equipment/Uniforms needed and may include:

- Coveralls
- Work Boots
- Safety Glasses

Financial assistance is available if needed.

Articulated college credit is available through colleges such as:

- Delta College
- Ferris State University
- Jackson Community College
- Lansing Community College
- Macomb Community College
- Oakland Community College
- University of Northwestern Ohio
- Washtenaw Community College



Certifications Available

- State of Michigan licenses
- ASE certifications (brakes, steering and suspension, engine performance, electrical/electronics)
- ASE Collision certification
- ASE Heavy Equipment certifications
- Marine Technicians Fundamentals (MTF)

See your technical campus counselor for a complete list.

Student Organizations

- American Boating and Yachting Council
- Michigan Industrial Technology Education Society (MITES)
- SkillsUSA

Future Career Options

Examples of careers in Transportation Technology may include:

- Service Technician
- Automotive Manager/Owner
- Design Engineer
- Original Equipment Manufacturer Support
- Automotive Technology Educator



Culinary Arts/Hospitality

Provides a broad background of skills and knowledge utilizing state-of-the-art industry-based tools, equipment and technology. Become productive in a modern commercial kitchen with applications in business procedures for today's professional. Acquire training in cooking methods, food and beverage service, baking, menu design, staffing and scheduling, food preparation and financial management for a commercial food service establishment. Also receive an introduction to the travel/tourism industry.

Helpful Skills

- Basic math skills
- Desire and ability to work in a team environment
- Good health and hygiene
- Good interpersonal skills
- Problem-solving

Articulated college credit is available at the following colleges:

- Culinary Institute of America
- Johnson and Wales
- Le Cordon Bleu Schools North America
- Oakland Community College
- Schoolcraft College

Equipment/Uniforms needed and may include:

- Toque blanche (hats)
- Jacket
- Pants

Financial assistance is available if needed.



Certifications

- National Restaurant Association Serv Safe Certification
- National Restaurant Association ProStart Certification
- Techniques in Preventative Service (TIPS)

Student Organizations

- SkillsUSA
- National Restaurant Association Education ProStart State and National competitions
- National Ice Carvers Association (NICA)
- Customer Service Representative Certification

Future Career Options

- Manager/Owner
- Convention Director
- Executive Chef
- Dietitian
- Executive Pastry Chef



Cosmetology

Offers intensive, hands-on instruction using an advanced, integrated curriculum in academics, technical and workplace skills. Learn core skills, such as entrepreneurship, salon ecology/safety, general anatomy and chemistry. Technical skills include hair care and treatments, esthetician, nail technology, hair cutting, and hair coloring. This is a regional cluster only offered at the Northeast Campus.

- **Cosmetology**
- **Esthetics (Skincare)**
- **Nail Technology**

Helpful skills

- Ability to work in groups
- Art and basic design
- Basic computer skills
- Basic math
- Good communication skills
- Good customer service
- Problem-solving

Equipment/uniforms needed

- Students will be required to wear uniforms provided by the technical campus. A substantial equipment fee is required annually. Financial assistance is available if needed.

College credit or articulation credit

- Baker College
- Ferris State University
- Oakland Community College

Certification

- State Licensing Required

Student Activities

- SkillsUSA

Future Career Options

Examples of careers in Cosmetology may include:

- Cosmetologist
- Salon Manager
- Nail Care Specialist
- Makeup Artist



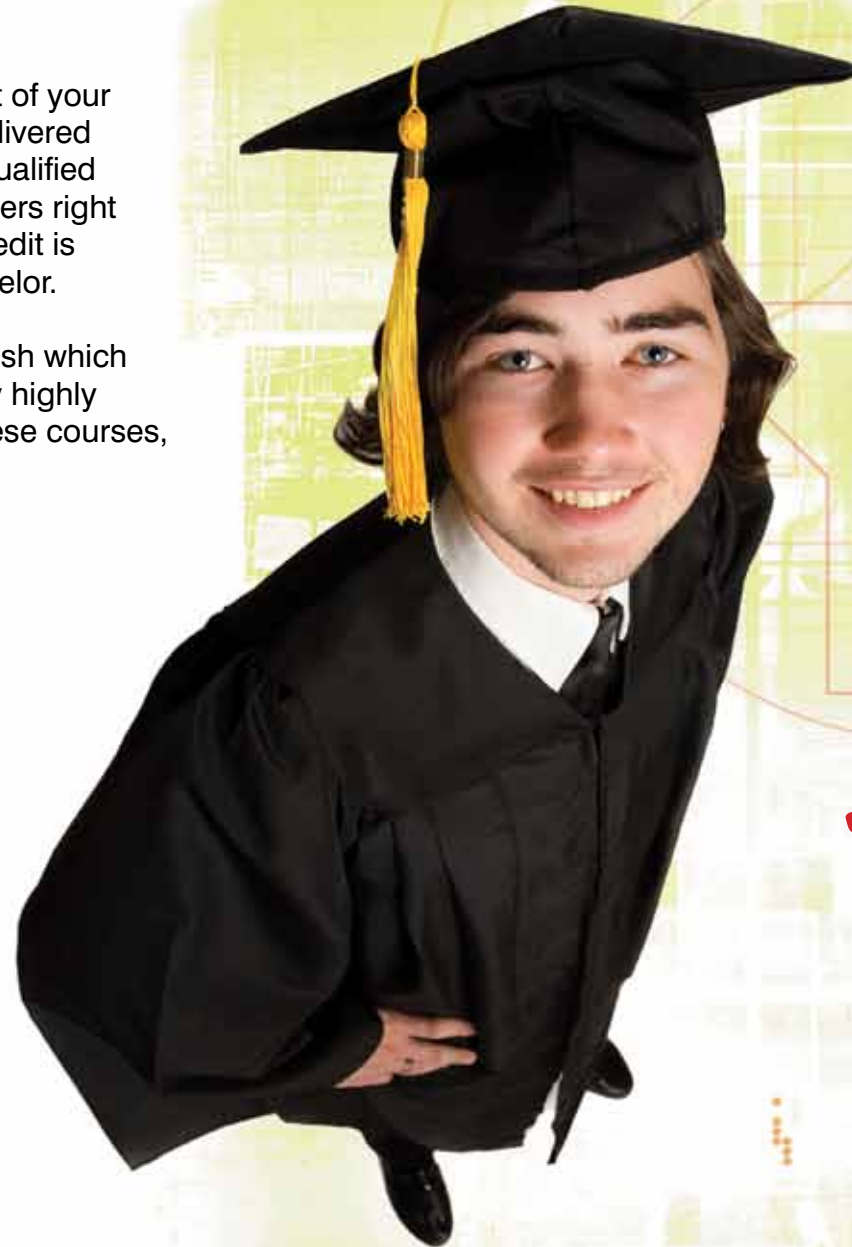
Academic Course Offerings

Receive math and science academic credit as part of your career technical curriculum. These courses are delivered using the collaborative teaching model of highly qualified academic teachers and highly qualified CTE teachers right in your career cluster. This additional academic credit is requested by you through your high school counselor.

All campuses offer Algebra 2 and 12th grade English which are taught separate from the cluster experience by highly qualified teachers. (Please note: If you enroll in these courses, you will have a reduced cluster experience.)

Participate in the following OSTC academic credit courses!

- 4th year math - offered in all clusters
- Algebra 2
- 12th grade English
- 3rd year science courses include:
 - Anatomy & Physiology (Health Sciences)
 - Biochemistry (Biotechnology & Environmental Science and Health Sciences)
 - Functional Biochemistry (Cosmetology)
 - Technical Physics (Engineering/Emerging Technologies)
- Online recovery credit also available (this may vary by campus)



Application

Process “How do I get THERE from HERE?”

- 1 **Pick up an application at your high school or go to www.OSTCOnline.com to download an application.**
- 2 **Visit your high school counselor or call an OSTC counselor for more information.**
- 3 **Attend an open house or schedule a campus visit.**
- 4 **Update your EDP!**
- 5 **Turn in your completed application and EDP to your high school counselor.**

✓ **To take control of your future:**

Meet with your high school counselor or call an OSTC counselor for more information:

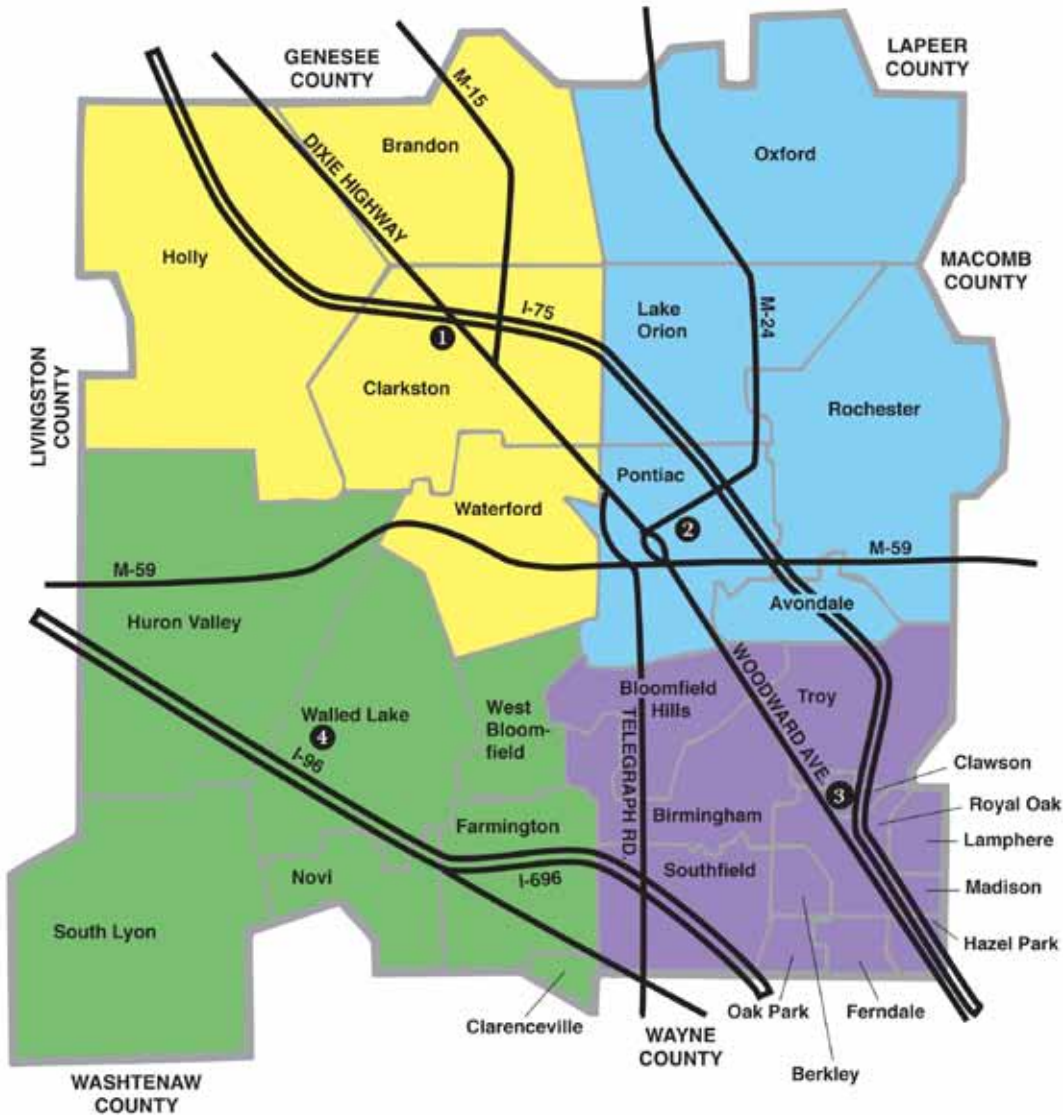
Northeast Campus: 248.451.2700
Northwest Campus: 248.922.5800
Southeast Campus: 248.288.4020
Southwest Campus: 248.668.5600

Your Future Begins Here!

Check Out

OSTC
Today!

Find Your OSTC Campus!



- 1 Northwest - Clarkston**
8211 Big Lake Rd.
Clarkston, MI 48346
248.922.5800
- 2 Northeast - Pontiac**
1371 N. Perry
Pontiac, MI 48340
248.451.2700
- 3 Southeast - Royal Oak**
5055 Delemere Street
Royal Oak, MI 48073
248.288.4020
- 4 Southwest - Walled Lake**
1000 Beck Road
Wixom, MI 48393
248.668.5600

For more detailed maps, go to www.OSTCOnline.com

Students LOVE OSTC!

Mackenzie Chambers Berkley High School OSTC - SE

"The time I spent in the Biotechnology and Environmental Science class changed my perspective on what I would be able to do in the future. The work I did gave me the confidence and experience that I needed to successfully work with animals in a variety of settings. My teacher always challenged and encouraged me to achieve all my goals, and I will continue to do this as I move ahead in life."

Celestia Heady Clarkston High School OSTC - NE

"The friends that I've made and the teachers I've had are some of the best people I've ever met. The teachers take the time to make sure that everyone in the class understands, and they genuinely care about us. I know that what I've learned from OSTC are things that will stay with me for the rest of my life. Coming to this school was one of the best choices I've ever made."

Ryan Zukoff Clarkston High School OSTC - NW

"Visual Imaging has helped me learn how to use programs including Adobe Photoshop, Illustrator, InDesign, and Alias Maya 2009. We are given many tasks that challenge and push us to be better graphic designers. We create and submit artwork or art pieces, depending on the competition, for possible cash or scholarship prizes. This program helped me confirm my college course choice as a 3D Modeler and Animator."

Katlyn deBoer South Lyon East High School OSTC - SW

"I decided to attend OSTC, because I want to become a nurse. During my first year, I learned all the basics for being a nurse, and I was able to earn college credit. Now that I'm a second year student, I am in the certified nursing assistant program that will help me get ahead in my nursing education."



OSTC

Discover your passion
Create your dream



OaklandSchools
TECHNICAL CAMPUSES

Oakland Schools does not discriminate on the basis of sex, race, color, national origin, religion, height, weight, marital status, sexual orientation (subject to the limits of applicable law), age, genetic information or disability in its programs, services, activities or employment opportunities. Inquiries related to employment discrimination should be directed to the Director of Human Resources at 248.209.2059, 2111 Pontiac Lake Road, Waterford, MI 48328-2736. For all other inquiries related to discrimination, contact the Director of Legal Affairs at 248.209.2062, 2111 Pontiac Lake Road, Waterford, MI 48328-2736.

www.OSTCOnline.com