

TBA CAREER-TECH CENTER

Available at no cost to high school juniors and seniors residing in Antrim, Benzie, Grand Traverse, Kalkaska, and Leelanau counties.



Our programs offer all students a chance to:

- Get hands-on training
- Explore possible careers
- Use state-of-the-art technology
- Earn academic credit
- Win scholarships



"Before CTC, I had no idea how I would even begin to start in medicine. Now I have a bright future ahead of me."

Brianna B.
Allied Health II



TBA CAREER-TECH CENTER

Twenty-four technical programs utilizing cutting-edge technology and state-of-the-art equipment.



PRACTICAL, HANDS-ON EDUCATION



"I definitely feel like I am getting a step ahead of everyone else. By the time I get to college I will already know a lot of the stuff that we need to know in my career."

Lauren N.
Public Safety



PREPARE FOR A PRACTICAL FUTURE



PROGRAM OVERVIEW



In partnership with schools in Grand Traverse, Benzie, Leelanau, Antrim, & Kalkaska counties

Non-Discrimination Statement

The Traverse Bay Area Intermediate School District and its Board of Education does not discriminate on the basis of race, color, religion, national origin, sex (including sexual orientation and transgender identity), disability, age, height, weight, marital or family status, military status, ancestry, genetic information or any other legally protected category (collectively, "Protected Classes") in its programs and activities, including employment opportunities.

880 Parsons Rd
Traverse City, MI 49686
Call 231.922.6320 for enrollment info
tbactc.org



Arts & Communication



FILM & NEW MEDIA

Learn to communicate effectively using the visual media that dominates communication today. If you learn to tell a good story through video, you can persuade more people, sell more products, and raise more awareness. Learn all aspects of planning and executing effective video communications while mastering the most powerful medium of our time.



FRONT STREET WRITERS*

Explore and develop your writing craft in a broad range of creative genres and professional formats. Develop creative and professional writing skills that will be helpful in writing professions such as journalism and communication. The instructors are working writers, and the National Writers Series brings additional authors into the classroom to discuss writing and the writing life.



GRAPHIC ARTS

Explore the print and design industry while you acquire hands-on experience and skills in digital imaging and visual communications. Using industry-standard design software and state-of-the-art print production equipment, you will work independently with an emphasis on building a professional commercial portfolio that is a cut above.



GRAPHIC DESIGN & PROMOTIONAL MEDIA*

Combine creativity and visual problem solving on real-world, project-based designs using traditional print and packaging to digital, web, and social media. Using Adobe software, you will collaborate with others and apply graphic design foundation skills to project development and campaigns to promote and market products and services. Build a quality, professional portfolio.

Business Management, Marketing & Technology



BUSINESS CAREERS*

Choose from three pathways in this program; general business, accounting, or Early College accounting. General business provides students an overview of business careers. In accounting you will learn how to keep track of a business's finances. In Early College accounting, students will earn college credit.



CULINARY ARTS

Develop and apply cooking and serving techniques in the World Class Café, our student-run restaurant. You will learn all aspects of the industry including basic cooking skills, catering, and front-of-the-house hospitality.



*Traverse Bay Area Early College, a collaborative partnership among the Traverse Bay Area Intermediate School District, Northwestern Michigan College and Ferris State University, enables high school students to earn college credits by completing course work in their TBAISD Career-Tech Center program.
Contact: Meredith Schmidt, 231-922-6425, mschmidt@tbaisd.org



INFORMATION TECHNOLOGY*

Gain technical expertise doing hands-on projects using both current and legacy hardware and software. You will learn to design, implement, and support the technology that business and industry use today. Physical equipment and software is used to simulate local area network environments. Students have opportunities to earn industry-recognized certification.



INSURANCE CAREERS

Explore careers dealing with claims, customer service, information systems and technology, loss prevention, risk management, financial reporting, becoming an agent or working as an actuary. Instruction will be a blend of face-to-face and online delivery. Students can earn up to twelve college credits through Olivet College. Field trips, job shadowing, work experience, internships, guest speakers, and networking with industry leaders are also core components of the class.



WEB & GAME PROGRAMMING

Use both desktop and web-based applications to learn the basics of game programming, web design, and web programming. You will prepare for internships or a career in fields such as Computer Science, Multimedia & Visual Communication, Graphic Arts, or Game Programming.

Engineering/Manufacturing & Industrial Technology



AUTO BODY REPAIR

Repair automobile and light truck bodies while you develop the technical competencies needed in this field. Bodywork involves MIG welding, repairing damaged body panels, body panel replacement, and plastic filler applications. You will acquire hands-on experience using welding equipment, specialized tools, and paint spray equipment.



AUTOMOTIVE TECHNOLOGY

Develop your skills as a technician using industry-standard curriculum and on-the-job experiences at area shops and dealerships. This course follows the ASE-aligned and NATEF-certified Maintenance and Light Repair Curriculum. You will focus on the skills necessary to transition directly into the workforce or to a post-secondary learning opportunity.



CONSTRUCTION TRADES

Use a wide array of power and hand-held tools to complete hands-on projects. Gain an understanding of blueprints, use of layout instruments, proper installation of both concrete flat work and masonry, rough and finish carpentry, drywall, building codes and laws, and general construction safety.



DRAFTING & DESIGN ONLINE*

Learn about the design, engineering, and manufacturing processes and see how everyday products are designed and produced. Extensive use of state-of-the-art software and 3-D printing provides students with a competitive advantage in college or employment. This course can be taken for high school credit or up to five Ferris State University credits at no cost to you.



ELECTRICAL OCCUPATIONS

Gain a working knowledge of technological areas including: electricity; electronics; utility and electrical distribution; air conditioning; heating; refrigeration; residential, commercial, and industrial wiring. You can prepare for post-secondary training or apprenticeships in residential and commercial wiring, utility or high voltage, or HVAC. This program is also a good option for students interested in robotics, automation, or manufacturing.



MANUFACTURING TECHNOLOGY ACADEMY (MTA)*

MTA is a national award-winning STEM program that integrates high-level, hands-on technical learning with honors academic classes and a rigorous mathematics curriculum. Get training in critical thinking, problem-solving and teamwork, build knowledge in design and 3D printing, robotics and automation, quality assurance, pneumatics, manufacturing processes, electrical systems, and project management. MTA students design and build competition robots in three different national robotics tournaments.



MECHATRONICS: APPLIED TECHNICIAN TRAINING

Mechatronics applies electrical and mechanical engineering skills to identify, analyze, and solve systems-based problems. Students will learn to use electromechanical equipment, conduct repairs, and monitor operation. Students will also explore concepts including system design, operation, and control, robotics, drones, hydraulics, pneumatic, and many other Mechatronics fundamentals.



POWER EQUIPMENT TECHNOLOGY

Disassemble, measure, and reassemble a two-stroke hand-held and four-stroke lawn and garden-type engines. Get training in shop safety and electrical survival skills. Develop expertise in engine systems including starting, charging, ignition, lubrication, and cooling system theory and service.



PRECISION MACHINING TECHNOLOGY*

Develop entry level skills for career opportunities in the machine tool field. You will gain technical knowledge and skill in the set-up and operation of the vertical milling machine, engine lathes, surface grinders, EDM machines, drill presses, band saws, and other support equipment. Skilled machinist jobs are in high demand in the Grand Traverse region.



WELDING & FABRICATION*

Gain practical experience and instruction in the set up and use of equipment and processes common to the welding trade today. Learning and mastering a variety of welds on different metals and types of welding equipment, students leave prepared for entry level employment or college readiness. Students have the opportunity to prepare for and take American Welding Society welder certification tests.

Health Sciences



ALLIED HEALTH*

Gain the knowledge and skills required for employment within diverse health care fields from nursing to physical therapy to pharmacy technician. First-year coursework includes anatomy and physiology, health maintenance, safety, CPR certification and advanced patient care skills. Second-year students expand their medical knowledge through expanded work experience options at Munson Medical Center, pharmacies, and doctor's offices.

Human Services



EARLY CHILDHOOD EDUCATION

Prepare for careers in child care by learning about human development. Create lessons and activities for children, and explore family and child-related career opportunities through job shadows and work experiences. Students will spend time with children and child development experts to understand the complexities of human development.



PUBLIC SAFETY/ PROTECTIVE SERVICES

Gain a broad base of practical experience and content knowledge for careers in public safety, including law enforcement, firefighting, and emergency medical services.



TEACHER ACADEMY*

Spend one hour a day in the classroom of a mentor teacher, attend conferences and field trips to gain knowledge of education careers. Each marking period you will change placements, so you will experience a variety of subjects and grade levels.

Natural Resources & Agriscience



AGRISCIENCE/NATURAL RESOURCES*

Gain experience in hands-on participation in hydroponics aquaculture, veterinary science, and natural resource issues such as Great Lakes ecology in our state-of-the-art facility. Be part of cutting, planting, growing and understanding the complexities of plant growth/care.