

Certification

Technology • Automotive • Restaurant • Construction •
Design • Computer • Medical Fields • Communications

Ready for jobs right out of high school

You can graduate from high school with more than a diploma.

Oak Harbor High School works directly with employers, colleges, and trade schools to offer certification that shows you're ready to work or to continue skills training at a higher level.

In fact, participating employers in the manufacturing, construction, design, and automotive industries guarantee you will receive a job interview if you have certification.

Certification is an impressive addition on applications to colleges and tech/trade schools.



MTAC Manufacturing Technology Achievement Certificate

There are many local manufacturing industries from Island, Skagit and Snohomish counties looking for a skilled manufacturing workforce. Hourly salaries range from \$12-\$24 at the entry level and can develop into much higher salaries with the right skills, preparation and experience.

Participating employers guarantee a job interview with MTAC certification. All you need to do is earn a "B" or better in the necessary courses.

MTAC certification:

Advanced Automotive
Computer Aided Drafting (CAD)
Electronics
Metal Fabrication/Welding
3D Modeling
Applied Physics
Robotics
Computer Maintenance
Wood Technology
Cabinetry & Woodworking
Building Construction

Professional Certifications

Apple Pro certification:

Desktop/Digital Publishing
Photography
Video Productions
Broadcast Communications

A+ certification:

Computer Maintenance

Microsoft Office certification:

MS Word

National Restaurant Assoc. certification:

Culinary Arts

Automotive Service Excellence certification:

Advanced Automotive

Certified Nursing Assistant

Human Body & Medical Careers Internships

CPR/First Aid certification:

Human Body & Medical Career Internships
Sports Medicine & Internships

To learn more about certifications, contact:

Ms. Oehring
CTE Director
360-279-5414

Ms. LeMieux
Program Assistant
360-279-5720

www.ohsd.net/ohhs
Click on Academics, Click on Career-Tech

Tech Prep Free College Credit

Getting a free headstart on college

Tech Prep provides direct college credit - free. There are no expensive books to buy, no travel, no tuition -- just earn a "B" or better in designated classes.

Oak Harbor offers Tech Prep credit at four different colleges without leaving the high school campus. Choose from more than 30 advanced Career-Tech courses.

Participating colleges: * Skagit Valley CC
Edmonds CC
Everett CC
Shoreline CC

* Tech Prep credits are transferrable to any Washington State college or university



Take Advantage of Tech Prep

- Free credits
- No tuition
- Courses taught at OHHS
- No Textbook expenses
- Just earn a "B" or better

Each year, about 200 students earn close to 1,200 college credits for FREE.

Earning six Tech Prep credits saves you about \$450 in college tuition.

Tech Prep helps you get into your preferred college or trade school.

- Accounting
- Advanced Automotive Tech
- Building Construction
- Broadcast Communications
- CAD and 3D Modeling
- Computer Maintenance
- Culinary Arts
- Culinary Arts Work Experience
- Desktop/Digital Publishing
- Digital Design/Website Development
- Electronics
- Graphic Arts/Photography
- Human Body & Medical Career Internships
- Marketing Management
- Metal Fabrication/Welding
- MS Word and Computer Apps.
- Robotics and Automation
- Sports & Entertainment Marketing
- Sports Medicine & Internships
- Video Production
- Work Preparation

To learn more about Tech Prep, contact:

Ms. Oehring, CTE Director
360-279-5414

Ms. LeMieux, Program Assistant
360-279-5720

Career-Technology Course Offerings



Arts & Communications Concentration

Tech Prep
College Credit

DIGITAL DESIGN

Tech Prep: 5 Credits from Skagit Valley CC

Learn Macromedia's Dreamweaver MX, Fireworks MX, and some HTML. Develop websites, teamwork, effective communication and project management skills. Projects will include personal and client-specified communications.

Tech Prep
College Credit

GRAPHIC ARTS/PHOTOGRAPHY

Learn photography and graphic arts. Develop and print black and white photos. Design graphics in desktop publishing using Macintosh computers.

YEARBOOK PRODUCTIONS

Produce the high school yearbook. Develop skills in photography, illustration, feature writing, desktop publishing, and file management.

Tech Prep
College Credit

VIDEO PRODUCTIONS I

Tech Prep: 5 Credits from Skagit Valley CC; or 3 credits from Shoreline CC

Work with video equipment and learn techniques used in the audio-video production industry. Learn lighting, script writing, digital editing, sound recording, and live video mixing skills. Explore movie and television history, equipment mechanics, and critical viewing.

Tech Prep
College Credit

VIDEO PRODUCTIONS II

Tech Prep: 4 Credits from Edmonds CC; or 3 credits from Shoreline CC

Apple Pro
Certification

Use advanced computer-aided editing and mixing equipment. Learn special effects, video animation, technical writing, and other production techniques. Projects will include video annual, school activities, community documentaries, and training videos.

Tech Prep
College Credit

DESKTOP/DIGITAL PUBLISHING

Tech Prep: 5 Credits from Skagit Valley CC;

Apple Pro
Certification

Use Photoshop, InDesign, Illustrator, Macromedia Director, and other desktop publishing programs. Utilize digital cameras, scanners, Firewire, CDs, and DVDs. Work in the studio to produce projects related to the multi media production field. Projects will include: student magazines, book design, medium and large format photography, and other publications.

Tech Prep
College Credit

BROADCAST COMMUNICATIONS

Tech Prep: 4 Credits from Edmonds CC; or 3 credits from Shoreline CC

Apple Pro
Certification

Be part of the crew that produces Wildcat TV and experience what it's like to work in a broadcast newsroom. Write stories, conduct on-camera interviews and edit video and audio elements to create programs for our school and community. Use your imagination, creativity, and talents as you build strong communication skills using some of the coolest technology available at OHHS. Broadcast Communications is paired with Photography to form a two-period block class called Monster Media. This class allows students to focus your studies in media arts and gives you the time to do your best work.

Tech Prep
College Credit

PHOTOGRAPHY

Apple Pro
Certification

Learn photography and graphic arts. Develop and print black and white photos. Design graphics in desktop publishing using Macintosh computers. Learn special photographic techniques and processing. Design projects using the Adobe Creative Suite, darkroom, digital photography, digital imagery management, and desktop illustrations. Photography is paired with Broadcast Communications to form a two period block class called Monster Media. This class style allows students to focus their studies in media arts and gives them the time to do their best work.

Business & Marketing Concentration

Tech Prep

College Credit

ACCOUNTING

Tech Prep: 5 Credits from Skagit Valley CC
Learn double-entry accounting for service and merchandising businesses. Understand basic accounting concepts and bookkeeping applications. Projects will include financial statements, balance sheet, income statements, and payroll records. Prepare manual and computer generated financial records. Use journals, general and subsidiary ledgers, and computer managed accounting software. Projects will include partnership and corporate accounting for a merchandising business.

Tech Prep

College Credit

COMPUTER APPLICATIONS

Tech Prep: 5 Credits from Skagit Valley CC
Perform with advanced computer skills using Microsoft Word, Excel, and Access for spreadsheets and data bases. Create advanced projects and learn the intricacies of MS Office.

MONEY MANAGEMENT

Learn to work with financial forms, check writing, bank reconciliation, budgeting, and credit applications. Projects will include basic business records and banking transactions.

Tech Prep

College Credit

MICROSOFT WORD

Tech Prep: 3 Credits from Skagit Valley CC
Use basic MS Word features to create a variety of documents, including reports, letters, tables, and mail merge. Projects will support your high school course work for lab and research reports in English, Social Studies, and Science.

MS Office

Certification

Tech Prep

College Credit

WORK PREPARATION

Tech Prep: 2 Credits from Skagit Valley CC
Learn job search skills; career exploration; college research; human relations, health and safety; credit, taxes, time and stress management.

BUSINESS WORK EXPERIENCE

Work at a local business and earn credit for a paid job that is related to a course that prepares you for your future. You will gain on-the-job experiences.

PROFESSIONAL WORKSITE INTERNSHIPS

Intern at NAS Whidbey, City departments, or a local business and earn credit for an unpaid internship while enrolled in a course that relates to your career of interest. Internships help you make informed choices about your future education and career goals. You will also gain on-the-job experiences.

RETAIL MANAGEMENT

Apply principles of marketing and management in the Student Store. Practice skills of teamwork, problem solving, and motivation; project planning, conflict resolution, and valuing diversity as you take on leadership roles within an organization. Set goals and work to achieve organizational objectives both in person and as a part of virtual work teams. Take part in DECA (an association of marketing students) which includes leadership conference and competition.



Tech Prep

College Credit

MARKETING MANAGEMENT

Tech Prep: 5 Credits from Skagit Valley CC
Trips, travel and fun! Experience DECA in the Marketing Management class! Through participation in DECA (an association of marketing students) we'll show you how businesses work and how companies influence you through advertising every day. This class is a must if you are pursuing a Marketing and Communication degree. Marketing Management can aid in providing knowledge and experience that you can use in your everyday life. Prepare for National competition with a project in a specific area or marketing and much, much more.

STARTING A SMALL BUSINESS

Learn to start and manage a small business of your own. Explore and plan all aspects of a new business including pricing, promotion, location, operation, and financing.

Tech Prep

College Credit

SPORTS & ENTERTAINMENT MARKETING

Tech Prep: 5 Credits from Skagit Valley CC
Learn how to manage a sports franchise while applying marketing concepts, designing promotions, and exploring the marketing aspects of the sports and entertainment industry. Put creative writing techniques into practical applications for a variety of purposes. Focus on writing for deadlines, brainstorming, critical listening and viewing, editing and being edited, ethics, and persuasive language. Gain skills through working with teams and as individuals to create comprehensive business plans and justify in writing your decisions regarding the operations of your franchise. Writing techniques used in business and marketing professions can be directly applied to similar and more advanced classes at many universities and community colleges.

MARKETING WORK EXPERIENCE

Work at a local business and earn credit for a paid job that is related to a course that prepares you for your future. You will gain on-the-job experiences.

Natural Sciences Concentration

Culinary Productions

FOOD FOR TODAY

Learn nutrition and wellness for yourself and your family. Apply food safety in preparation of a variety of food products. Projects will include preparing quick breads, yeast breads, pasta, rice, salads, vegetables, dairy products, eggs, and chicken dishes.

Tech Prep
College Credit

CULINARY ARTS

Tech Prep: 4 Credits from Skagit Valley CC
National Restaurant Assoc Certification

NRA
Certification

Learn about careers in culinary arts. Apply safety and sanitation procedures in demonstrating the use of food preparation and production. Prepare food projects based on standardized recipes and demonstrate team and customer service skills. The curriculum is developed and approved by the National Restaurant Association. Projects will include running a catering business; preparing foods based on customer needs; competing at Washington Restaurant Association Competition; and working with a guest chef.

CULINARY WORK EXPERIENCE/INTERNSHIP

Cater for local organizations and earn credit for an internship or a paid job that is related to a course that prepares you for your future. You will gain on-the-job experiences.

Construction Technology

Tech Prep
College Credit

WOOD TECHNOLOGY

Tech Prep: 5 Credits from Skagit Valley CC

Learn basic information and skills related to design, wood working machine operations, safety. Also learn about other related materials associated with wood technology. Projects will include a tool box and a personal choice project.

CABINETRY & WOODWORKING

Gain an understanding of design functions, machine operations, and cabinet construction techniques.

Tech Prep
College Credit

BUILDING CONSTRUCTION

Tech Prep: 11 Credits from Skagit Valley CC
Carpenter's Apprenticeship Program Certification

CAP
Certification

Learn building and framing techniques including the usage of construction materials. Gain skills in concrete, masonry, roofing, carpentry, and dry-walling. Employ construction industry standards in measurements and layout, blueprint reading, and proper hand/power tool usage. You will be prepared to enter a construction apprenticeship. Projects will include: working as a team to build storage sheds; construction of foot stool using portable power tools; skill units on electrical, plumbing, vinyl flooring, finish carpentry, and stairs construction

Automotive Technology

BASIC AUTOMOTIVE MAINTENANCE

Learn basic maintenance on your car or truck. Check and/or change all fluids, including oil, antifreeze, windshield washer fluid, transmission fluid, brake fluid, etc. Repair electrical circuits, check brakes, and learn about basic automotive systems.

Tech Prep
College Credit

ADVANCED AUTOMOTIVE TECHNOLOGY

Tech Prep: 12 Credits from Skagit Valley CC
MTAC Certification

ASE
Certification

Automotive Service Excellence Certification

Gain knowledge and skills to understand vehicle systems and how they work through extensive hands-on experiences. Maintain and repair vehicles with general auto shop procedures, proper work ethics, workplace safety, proper tool usage, hazardous waste and materials handling and electrical test equipment. Prepare for ASE certification and gain knowledge for employment in the trade. Use physics, math, thermodynamics, technical reading, writing, and communications. This course is designed to prepare the student for the automotive technology field and general trade knowledge required of all technicians in the field.

Metal Working

Tech Prep
College Credit

METAL FABRICATION / WELDING

Tech Prep: 6 Credits from Skagit Valley CC
MTAC Certification

MTAC
Certification

Learn basic metal working skills that include oxy-acetylene, arc, mig and spot welding. Use various metal working tools: drill press, mill, sheet metal, lathes, grinders, and sanders. Projects will include hacksaw, sheet metal products, hammers and drills. Advance your application of metals fabrication with emphasis on product development and processes of mass production. Make jigs and fixtures that are necessary in quality control for mass producing identical parts.



Engineering

ARCHITECTURAL DESIGN

Interested in home and architectural design? Here is the place for you. Learn to create living spaces that are useful, functional, and attractive along with being designed to current building codes. You will be designing and building plans and models for both a vacation and residential home using the Computer Aided Design software.

Tech Prep
College Credit

COMPUTER AIDED DRAFTING AND DESIGN

Tech Prep: 4 Credits from Everett CC; or 5 Credits from Edmonds CC

MTAC
Certification

MTAC Certification

If you are interested in Engineering, Design, Manufacturing, Drafting, or Animation fields, this is the course for you. Learn to create engineering drawings and graphic models to industry standards. Upon completion of the course you will have a heads up in the wide variety of fields and educational programs that use computer engineering graphics. This is a core required course to complete the Manufacturing Certificate of Achievement in Technology. Students will learn Autocad software to create technical drawings to industry standards.

Tech Prep
College Credit

3D MODELING

*Tech Prep: 5 Credits from Edmonds CC**

3D modeling is the cutting edge of Computer Aided Drafting and Design. Computer modeling has a wide variety of applications in fields such as Industrial Design, Manufacturing, Aerospace, and Animation. You will be using "Rhino" and SolidWorks" to create a wide variety of three dimensional models.

*** Credit provided if student also completes Computer Aided Drafting and Design.**

Technology

MTAC
Certification

TECHNOLOGY FOUNDATIONS

MTAC Certification

Learn about and apply the four areas of technology: Communications, Manufacturing, Transportation, and Construction, using Robotics, Lasers, and Materials science. Problem solve, working in teams, to complete a design. Projects will include: Roving Robots, Air Planes, Motorized magnetic levitation, and laser technology.

Tech Prep
College Credit

ROBOTICS AND AUTOMATION

Tech Prep: 5 Credits from Skagit Valley CC; or 5 Credits from Edmonds CC

MTAC
Certification

MTAC Certification

Apply science concepts in a challenge based course. Work with a team of students in a "hands-on" environment to design, model, construct and test robotic applications. Students will design and build robots that can navigate through difficult terrain, "intelligently" analyze and overcome challenges, and aid in the work place and industry. Students will learn about engineering, computer programming, robotics, and artificial intelligence.

Tech Prep
College Credit

ELECTRONICS

Tech Prep: 10 Credits from Skagit Valley CC

MTAC Certification

Learn about direct current theory, Ohms Law, analog and digital multi-meters, soldering, alternating current theory, inductors, capacitors, transformers, and test equipment operation including the oscilloscope. Projects will include completing a printed circuit.

MTAC
Certification

APPLIED PHYSICS

MTAC Certification

Apply science concepts used in the workplace to solve technical problems. Learn about how the physics concepts force, work, and rate are applied through our everyday lives. Also learn about mechanical, fluid, electrical, and thermal systems.

A+
Certification

COMPUTER MAINTENANCE

A+ Certification

Learn the essentials of a PC-compatible computer with workstation/server operating system software. Gain hands-on experience in maintaining and troubleshooting the PC, which will prepare you to take the COMPTIA industry test for A+ Certification. Projects will include wireless networking.

Medical Fields

Tech Prep
College Credit

HUMAN BODY & MEDICAL CAREER INTERNSHIPS

Tech Prep: 8 Credits from Skagit Valley CC

Nursing Assistant Certification

CPR/First Aid Certification

CPR/First Aid
Certification

Explore careers in health and medical fields. Study anatomy and physiology, hospital procedures, and medical terminology. Complete your CPR/First Aid training for certification. Apply these skills in a clinical setting during second semester in an unpaid internship. Internship sites include NAS Whidbey Hospital, Whidbey General Hospital, Homeplace, local veterinarians, dentists, doctors, and laboratories to gain on-the-job experiences which will allow you to make informed choices about your future education and career goals. You may choose to prepare to take the state exam for Nursing Assistant Certification.

Tech Prep
College Credit

SPORTS MEDICINE & INTERNSHIPS

Tech Prep: 8 Credits from Skagit Valley CC

CPR/First Aid Certification

CPR/First Aid
Certification

Explore careers in Sports Medicine. Learn about strength and conditioning, prevention and care of injuries, rehabilitation of injuries, nutrition, fitting and selection of protective equipment, counseling and education, emergency care, and basic anatomy and physiology. Apply the skills learned at Sports Medicine sites in an unpaid internship after school in athletic training rooms with a certified athletic trainer or local Physical Therapy/Sports Medicine clinics to gain on-the-job experiences which will allow you to make informed choices about your future education and career goals.