



West Sound Technical Skills Center 2018-2019 Course Guide

Choose Your Own Adventure at West Sound Tech Skills Center. Students 16 to graduation can take advanced programming that opens student options post-high school. West Sound Tech offers career and technical education programs where jobs are in high-demand and pay well. Students at West Sound Tech can earn equivalency credit (basic academic credits), free college credits, as well as certifications and licenses specific to your program of interest. ALL West Sound Tech students earn 3 credits per year toward high school graduation. Credits are a mix of elective credit, career and technical education credit requirements, and basic academic credit requirements (see individual program for details on basic academic credit offered as part of the program).

West Sound Technical Skills Center provides professional career training and college preparation for students 16 -graduation. Classes are three periods in length (2.5 hours per day, 5 days per week) and prepare students for both careers AND college readiness skills, featuring hands-on training and a focus on employability skills. Students select either first session from 8:00 AM to 10:30 AM or second session from 11:10 AM to 1:40 PM.

Bus transportation provided by the sending school. All programs offered at West Sound Tech satisfy a high school elective credit requirement for graduation and/or a career and technical education credit. Most programs offer equivalency credit/cross credit (see individual program description). Students may earn additional community college credit free (see individual program description). REGISTER ONLINE beginning March 1, 2018. Regular daily attendance is critical at West Sound Tech. Call for further information (360.473.0550). Or check out our programs at westsoundtech.org.

3D ANIMATION & GAME DESIGN *

FIRST SESSION

2 Semesters/3 Credits

SECOND SESSION

2 Semesters/3 Credits

Earn College Dual Credit for FREE

Earn credits/graduation requirements in the following areas:

Geometry, Fine Arts, Elective and/or CTE credits

No Fees

Learn the principles, tools, and concepts used in 2D and 3D animation, video game programming, and video game production. Students use industry standard computers and software to create 3D videogames and animations. During your time in this course you will learn to design, develop a 3D model, rig, and animate a character for videogames. Strategies include development of a 3D art pipeline, modeling, texturing, game engines, modeling for anatomy, principles of animation, as well as lighting and compositing. Using pre-and post-production skills, students work in teams to create animations and video games, modeling strategies used in industry. Students learn a variety of 21st Century Skills, or employability skills, that are essential for effective transition into the professional world. Career opportunities include: video game design, animation design, 3D modeling, programing video games and more. Students may take up to two years in this program and earn certification and preparation for post-secondary programs. Students earn Unity Certification.

AUTOMOTIVE TECHNOLOGY *

FIRST SESSION

2 Semesters/3 Credits

SECOND SESSION

2 Semesters/3 Credits

Earn College Dual Credit for FREE

Earn credits/graduation requirements in the following areas:

Math, Science, Elective and/or CTE credits

Fee: \$16 for uniform and safety equipment

Automotive Technology focuses on providing students interested in the automotive industry hands-on learning in a simulated workplace environment. Students build a solid foundation in automotive brakes, suspension and steering, cooling, lubrication systems, HVAC, engine fundamentals and operation, electrical and electronic systems, as well as all standard servicing aspects. This program includes a strong focus on shop safety and industry standards, as well as development of leadership skills. West Sound Tech's automotive program has earned multiple awards including the coveted EnviroStar certification for recycling and environmental protection. Earn ASE Certification.

***Optional 2-year program.**

COLLISION REPAIR TECHNOLOGY ***FIRST SESSION****2 Semesters/3 Credits****SECOND SESSION****2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****Science, Fine Arts, Elective and/or CTE credits****Fees: \$20 for uniform and safety equipment**

Join Collision Repair Technology to learn basic metal properties, welding techniques on specialized metals, plastics repairs, and surface preparation and refinishing systems. Students use what they learn in the classroom in a hands-on collision repair facility on campus. Students use a hands-on approach to learning about basic uni-body frame repair, parts replacement, sanding/stripping/masking painted surfaces, spraying automotive and other finishes, glass replacement, and auto detailing. There is a strong emphasis on shop safety and industry standards while developing workplace leadership skills. Students work on I-CAR curriculum during the second year of this program. Earn I-Car Certification, SP/2 Collision Safety and Collision Pollution Certification

Optional 2-year program*CONSTRUCTION CAREERS *****FIRST SESSION****2 Semesters/3 Credits****SECOND SESSION****2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****P.E., 3rd Year Math, Elective and/or CTE credits****Fees: \$50 for safety equipment, proper workplace attire**

Construction Careers prepares students for entry-level positions in the construction industry. This course combines theory and hands-on experiences that culminate in preparation for the workplace. Students learn cost estimating, hand and power tool operation, blueprint reading, building code requirements, site preparation, footing and foundation construction, floor and ceiling construction, walls and partition framing, roof frame construction, and exterior finish. Second year students hone their skills in residential electrical and plumbing fundamentals, stair construction, energy conservation techniques and commercial carpentry. There is a strong emphasis on industry safety standards and workplace skills and leadership development. Advanced education is available through Bates Technical College Carpenter Training Center, Clover Park Technical College, Carpenters Training Center JATC Apprenticeship Program and Laborer's Training Center in Kingston. Earn OSHA 10, Washington State Flagger, and Forklift Certification

Optional 2-year program.*COSMETOLOGY *****FIRST SESSION****2 Semesters/3 Credits****SECOND SESSION****2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****Math, English, Science, Art, Elective and/or CTE credits****Fees: \$130 for cosmetology kit**

Cosmetology is the art and science of beautifying and improving the skin, nails, and hair and the study of cosmetics and their application. Students receive classroom instruction and hands-on training on mannequins and customers using industry standard equipment. In order to work in this industry, students must become licensed which requires training beyond high school to earn the minimum required hours. The cosmetology program trains cosmetologists, estheticians, manicurists and barbers with additional opportunities to broaden their career path with specialized training as Texture Service Specialists, Wig or Extensions Specialist, Retail, Makeup Artist, Day Spa Technician, Salon Owner, Salon Manager, Product Educator, Hairstylist for TV, Movies or Theater, Platform Artist etc. Cosmetology is your career path to a bright rewarding future. Industry Certification. This program leads directly into the Olympic College cosmetology program, where students earn their associates degree as well as prepare for the state licensing assessments. Earn Hours for WA State Licensing requirement.

***Optional 2-year program.**

CRIMINAL JUSTICE ***FIRST SESSION****2 Semesters/3 Credits****SECOND SESSION****2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****English, Social Science, P.E., Elective and/or CTE credits****Fees: \$25 for uniform and safety equipment**

Criminal justice prepares students to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control and public relations, witness interviewing, evidence collection and management, basic crime prevention methods, equipment operation and maintenance, report preparation, and other routine law enforcement responsibilities. Students engage in theory and hands-on activities that closely mirror the real-world experiences, including field trips to criminal justice and law enforcement facilities, interaction with experts in local, county, state, and national law enforcement, judicial system, investigative and protective services are embedded throughout the year. Careers in law enforcement are expected to grow in all career areas. Students prepare for careers in criminal justice as well as entry into post-secondary criminal justice programs.

Optional 2-year program.*CULINARY ARTS *****FIRST SESSION****2 Semesters/3 Credits****SECOND SESSION****2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****Math, English, Elective and/or CTE credits****Fees: \$70 for uniform and \$30 for Food Handlers Card and lab fee**

Culinary Arts combines culinary curriculum with hands-on training in a commercial kitchen setting. Students receive instruction in kitchen procedures, safety and sanitation, deli operations, baking/food productions, banquet and catering service, and storeroom management. Students engage in real-world culinary experiences preparing and serving food for the public during banquets, meetings, celebrations, and as part of the Three Seasons Deli located in the main commons area of the school. Students learn about the variety of career opportunities in the culinary industry. Students earn industry permits and certifications, including, National ServSafe, and American Culinary Federation certification. ** Students MUST have a current Food Handlers Card to participate in the course.

Optional 2-year program.*DESIGN TECHNOLOGY *****FIRST SESSION****2 Semesters/3 Credits****SECOND SESSION****2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****Geometry, Science, Elective and/or CTE credits****Fees: No Fees**

Design Technology connects creativity, science, math, engineering, and technology together. During class students use architectural and mechanical 3D design software and learn how to transfer those designs and blueprints to 3D printers, lathes, CNC industrial milling machines. Learn to program and use Computer Numerical Controlled (CNC) industrial milling machines. Students get hands-on with underwater ROV projects. Learn about the design process and how it is used in a variety of careers. Students use the Core+ curriculum to learn about the aerospace and marine industries and the connection with design technology. In this class students take an idea from inception to production. OSHA 10 Certification, Core + Certification.

***Optional 2-year program.**

ESTHETICS ***FIRST SESSION
SECOND SESSION****2 Semesters/3 Credits
2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****Art, Science, Health, Elective and/or CTE credits****Fees: \$115 esthetics kit for state board examination and class use**

Esthetics focuses on skin care, facials, waxing, makeup, and body treatment techniques. Students learn safety and sanitation, customized facial and skin care treatments, spa treatment service procedures, hair removal techniques, makeup application, guest service skills, management of spas and salons, as well as preparation for the state licensing assessment. Students learn the chemistry behind effective skin care, expectations of Washington State Esthetic laws, rules, regulations, career opportunities, business skills, professional image, communication, and the history of esthetics. 1st year students earn hours toward an esthetics license. 2nd year students may earn the WA State Esthetics License.

Optional 2-year program.*FIRE SCIENCE *****FIRST SESSION 2 Semesters/3 Credits
SECOND SESSION 2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****P.E., Science, Health, Elective and/or CTE credits****Fees: \$20 for uniform and safety equipment**

Learn the skills necessary to pursue a career in the fire service and to be an integral part of a community emergency response team. Taught by fire-fighting professionals, you are introduced to: Firefighter training; fire prevention, inspection and investigation; alarm systems; dispatching, CERT, and emergency medical services. Students learn through hands-on and academic training using full bunker gear. Students earn: First Aid/CPR and Bloodborne Pathogens Certification, Preparation for the Firefighter 1 Certification

Optional 2-year program.*HVAC TECHNICIAN *****FIRST SESSION 2 Semesters/3 Credits
SECOND SESSION 2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****Science, Math, Elective and/or CTE credits****Fees: \$20 for uniform and safety equipment**

Prepare for a career in the heating, ventilation, air conditioning, and refrigeration industry. Students learn the technical skills needed to work in such areas as air conditioning, systems controls, energy management systems, and sales. Students spend part of the time in the classroom focusing on hands-on learning and academic connections, and part of the time in an internship working in the world of HVAC. This is a high-demand, high-wage career.

Optional 2-year program.*MARITIME TECHNOLOGIES *****FIRST SESSION 2 Semesters/3 Credits
SECOND SESSION 2 Semesters/3 Credits****Earn College Dual Credits for FREE****Earn credits/graduation requirements in the following areas:****Math, Science, Elective and/or CTE credits****Fees: \$20 for uniform and safety equipment**

Maritime technologies prepare students for the high-skill high-wage positions in the maritime industry. Students learn the principles of maritime technologies focusing on real-world, hand-on problem solving and solution development. Work in collaboration with other programs to support community maritime projects. Completion of this program students are prepared

for the vast career options in marine manufacturing, marine services, and vessel operations and marine sciences. Learn about materials science, tools and safety, precision measurement, drilling, use of technical equipment including, saw, mill, lathe, and riveting. Students will learn basics in welding, composites, buoyancy, corrosion, propulsion, design and construction, instrumentation and systems, as well as electrical systems, refrigeration, and more. Earn certification in OSHA10, First Aid/CPR.

***Optional 2-year program.**

PROFESSIONAL MEDICAL CAREERS *

FIRST SESSION 2 Semesters/3 Credits
SECOND SESSION 2 Semesters/3 Credits

Earn College Dual Credits for FREE

Earn credits/graduation requirements in the following areas:

English, Science, Health, Elective and/or CTE credits

Fees: \$30 for uniform and safety equipment | Fees for all state testing requirements and background checks – up to \$230 (minimum \$20 for food handlers card and Background Check)

Through hands-on experience, students acquire the skills and knowledge needed for a variety of medical occupations. Learn anatomy, physiology, and the signs, symptoms and prevention of disease. Explore medical careers in your areas of interest, as well as in high demand jobs. Learn procedures for patient care including taking blood pressure, temperature, pulse and respirations, as well as bathing, grooming, feeding, lifting and exercise. Health unit coordination, clinical program computer use, charting and patient documentation are also taught in this program featuring real-world experience with patients. A portion of the year is spent in a supervised clinical experience working with patients. This prepares students for entrance into a college level nursing program, as well as for certification as a Washington State Certified Nursing Assistant. Career Opportunities include: Nursing Assistant, Registered Nurse, Medical Office Assistant, Physician, Radiology Tech, Pharmacist and Physical Therapist. Students earn: Food Handlers Card, First Aid/CPR certification, Heimlich maneuver, Healthcare Provider Card-BLS, AIDS/HIV training, Preparation and required hours and training for Nursing Assistant Registered and Certified Nursing Assistant (student completes certification exam at state certification center).

*** Optional 2-year program.**

WELDING *

FIRST SESSION 2 Semesters/3 Credits
SECOND SESSION 2 Semesters/3 Credits

Earn College Dual Credits for FREE

Earn credits/graduation requirements in the following areas:

Math, Science, Elective and/or CTE credits

Fees: \$30 for uniform and safety equipment | Pay for any personal project costs

The Welding Trades program at West Sound Technical Skills Center will introduce high school students to the world of welding. Students experience hands-on training with the tools of the trade in a real-world setting. This program includes both in-class theory and in the shop experience. The Welding program is housed in a large facility that includes an expansive shop and classroom area. Students learn to cut and join metal using gas torch, arc and wire-feed welding equipment; repair broken metal parts on machinery, equipment, boats and structures. Students prepare to meet industry certification requirements as a certified welder upon successful completion of the program. Students learn: shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), flux-core arc welding (FCAW), air carbon arc cutting, plasma arc cutting, and oxyfuel gas cutting. Students prepare for positions in a variety of industries, including maritime, aerospace, and manufacturing. OSHA10 certification, Forklift Certification, Preparation for WABO certification (taken offsite at Olympic College) Prepare for Apprenticeship Entry.

***Optional 2-year program.**