



## WASHINGTON NETWORK FOR INNOVATIVE CAREERS

Washington Network for Innovative Careers (WANIC), is a regional skill center in Northeast King County. WANIC Skill Center provides advanced level Career and Technical Education (CTE) programs based on rigorous academic and industry standards preparing students for career and college readiness. WANIC Skill Center programs are delivered through a system of branch campuses in seven participating districts. The skill center programs provide dual credit opportunities (both high school and college credit) and/or lead to industry certifications.

**WANIC Skill Center serves high school students in these school districts:**

- Bellevue
- Issaquah
- Lake Washington
- Mercer Island
- Northshore
- Riverview
- Snoqualmie Valley

**WANIC SKILL CENTER**  
 11605 132ND AVE. NE #A108  
 Kirkland WA 98034  
 425.739.8400  
 wanic@lwsd.org  
**wanic.org**

The Lake Washington School District does not discriminate in any programs or activities on the basis of sex, race, creed, religion, color, national origin, age, veteran or military status, sexual orientation, gender expression or identity, disability, or the use of a trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups. The following employees have been designated to handle questions and complaints of alleged discrimination: Civil Rights Coordinator, Director of Human Resources, 425-936-1251, civilrights@lwsd.org; Title IX Coordinator, Director of Athletics and Activities, 425-936-1289, titleix@lwsd.org; and 504 Coordinator, Director of Special Services, 425-936-1407, section504@lwsd.org. [16250 NE 74th Street, Redmond, WA 98052].



## PREPARATORY COLLEGE & CAREER EDUCATION

### for High School Students

### WANIC Skill Center 2023-2024



**wanic.org**



- ◆ Academic Year Programs
- ◆ Full Year (2 semesters) 3 periods daily
- ◆ Earn 3 High School Credits
- ◆ College Credit Available
- ◆ Classes are designed for 11th & 12th grade students
- ◆ No Tuition
- ◆ Program fees may apply
- ◆ Financial Assistance available for qualifying students

For more info and to apply visit [wanic.org](http://wanic.org)



### Automotive Technology

**Location:** Bellevue, Bothell  
**2 Year Program Available**  
**HS Credits:** CTE (2.0), Lab Science (1.0)

Discover the real-world experience of an automotive career including vehicle diagnosis and repair. Work with the latest test equipment, procedures, and systems. Gain an understanding of tools and test equipment used in the auto industry, including electronic systems, steering and suspension, brakes, and engine performance.



### Aviation Technology-STEM

**Location:** WANIC @ LWTech  
**HS Credits:** CTE (2.0), Lab Science (1.0)  
**Prerequisite:** Geometry

This STEM enriched course is an entry point into a multitude of careers in the aerospace industry including Airline Pilot, Aerospace Engineer, Unmanned Aircraft Systems Operator (Remote Pilot), and Air Traffic Controller. Students will have the opportunity to earn a private pilot ground school certificate - VFR/IFR/Drone. This program offers a broad foundation in aviation science.



### Baking & Pastry

**Location:** Bothell  
**HS Credits:** CTE (2.0), Lab Science (1.0)

In this advanced course, students learn techniques of mixing, shaping, and folding, while applying the science and math behind baking. Students practice how to make quick breads, decorated cakes, pies, mousses, sauces, custards, frozen desserts, cookies, and confections. They practice techniques in sugar decorating and chocolate garnishing in a well-equipped, industry standard kitchen and prepare food for student presentations, school functions, and community service events. This course includes classroom instruction and practical lab work in a commercial kitchen.



### Building Industry Technologies – Core Plus Construction

**Location:** Bothell, Interlake  
**2 Year Program Available**  
**HS Credits:** CTE (1.0), Math (1.0), Science (1.0). YR 2: CTE (3.0)

Work with industry experts who provide professional knowledge and first-hand experience. Utilize different materials and methods, fasteners and adhesives, learn to safely operate the various industry tools, and learn jobsite safety and OSHA requirements. Design and carry out hands-on skills in practices such as rigging, lifting, and safely moving a load utilizing principles of mechanical advantage. Read, understand, and interpret basic plan sets and engineering drawings. Apply math and physics to key concepts in plumbing, electrical, and efficient energy utilization for a well-designed project. Qualified students may enroll in the Construction Management Program at the University of Washington upon graduation.



### Cisco Networking Academy

**Location:** Newport  
**2 Year Program Available**  
**HS Credits:** CTE (3.0)

Discover how to design, build, manage, and troubleshoot corporate enterprise networks. Learn mitigation of security threats, wireless networks, and advanced troubleshooting skills with a major emphasis on hands-on learning. Each day half the class time is spent working in a state-of-the-art networking lab. YR 1 Prepare for the Cisco Certified Networking Associate (CCNA) exam. YR 2 Prepare for the Cisco Certified Networking Professional (CCNP) exam.



### Culinary Arts

**Location:** Newport  
**2 Year Program Available**  
**HS Credits:** CTE (3.0)

This comprehensive, career focused program prepares culinary arts students using a commercial kitchen classroom. Students learn French cooking techniques, culinary terminology, knife skills, aesthetics of food presentation, baking and pastry techniques, and study a wide variety of foods and cuisines. In addition, students practice safety and sanitation procedures, restaurant management, customer relations, team and leadership skills, and catering and table service.



### Dental Careers

**Location:** WANIC @ LWTech  
**HS Credits:** CTE (2.0), Lab Science (1.0)

In a state-of-the-art learning lab, discover the rewarding dental career field. Learn about instruments, dental materials, four-handed dentistry, preventative, restorative, and specialty procedures, patient charting, sterilization, radiography, general and oral anatomy, microbiology, terminology, First Aid/CPR, and infection control. Program includes field trips, guest speakers, team building, and leadership activities.



### DigiPen Art & Animation

**Location:** DigiPen  
**2 Year Program Available**  
**HS Credits:** YR 1: CTE (1.0), Fine Art (1.0), Art History (1.0);  
YR 2: CTE (2.0), AP Art (1.0)

Exciting career opportunities for artists have never been greater but beyond having competency with the digital art software, they must have strong artistic and animation skills to be competitive. This class provides instruction in foundational art skills like drawing and painting, animation techniques, as well as training in 2D and 3D digital tools and techniques. Students then apply these skills towards the production of a video game including pitches, design documents, scheduling, milestones, testing, time management, and working on interdisciplinary teams with students from other DigiPen WANIC tracks.



### DigiPen Data Analytics & Visualization

**Location:** DigiPen  
**HS Credits:** CTE (2.0), Math (1.0)  
**Prerequisite:** Algebra 2 or instructor permission

This NEW computer science-based program examines practical challenges involving complex real world data and examines a wide range of case studies. It also provides a comprehensive look at the various post-secondary pathways and career opportunities for a market that is projected by the U.S. Bureau of Labor Statistics to grow to over \$132B by 2026. Learn how to extract strategic insights from data, build predictive models to forecast future trends, and efficiently communicate them to inform business strategy. Discover mathematical topics like probability, statistics, linear algebra, and calculus. Use artificial intelligence tools to automate analysis processes.



### DigiPen Game Design

**Location:** DigiPen  
**2 Year Program Available**  
**HS Credits:** CTE (2.0), Third Year Math (1.0)

This program is for creative-minded students who are deeply curious to understand the behavior and psychology behind games, and who are eager to learn methods for designing fun and engaging interactive experiences. Game Design students investigate various design disciplines including systems design, level design, user experience, narrative, and technical design. All of the concepts and skills are applied towards prototyping, testing, and rapidly developing many different game ideas. Game Design students collaborate with DigiPen WANIC artists, programmers, and musicians to experience the challenge of producing team-based game projects.



### DigiPen Music & Sound Design

**Location:** DigiPen  
**2 Year Program Available**  
**HS Credits:** YR 1: CTE (2.0), Fine Art (1.0);  
YR 2: CTE (3.0)

Sound and music play a critical role in how audiences experience video games and animated films. This program focuses on teaching the creative and technical aspects of music and sound design that can lead to an inspiring career in the digital interactive industry. Students study composition, theory, performance, audio recording, mixing, and technical sound design. Students gain valuable experience creating and implementing original music and sound using the latest in digital music and sound design tools that can be used in team-based game projects produced with DigiPen WANIC artists, programmers, and game designers.



### DigiPen Video Game Programming

**Location:** DigiPen  
**2 Year Program Available**  
**HS Credits:** YR 1: CTE (2.0), AP Computer Science Principles (1.0);  
YR 2: CTE (2.0), Math Analysis (1.0)

**Prerequisite:** Algebra 2 or instructor permission

The Pacific Northwest is a hub of game development that contributes to the US game industry worth over \$80 billion and growing! There is a huge demand for skilled developers and this program has launched hundreds of WANIC students into this field. Coursework includes the essential mathematical concepts necessary for creating 2D games and simulations using a pre-existing game engine. Students code using a variety of languages and learn the logic, algorithms, and process to write programs, as well as experience team video game production with DigiPen WANIC artists, game designers, and musicians.



### Fire & EMS

**Location:** WANIC @ LWTech  
**2 Year Program Available**  
**HS Credits:** YR1: CTE (1.0), Lab Science (1.0), P.E. (1.0); YR 2: CTE (2.0), P.E. (1.0)

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, students experience firefighter training, fire prevention, inspection and investigation, alarm systems, dispatching, CERT, and emergency medical services. Students drill at Eastside fire stations in full bunker gear to further experience all this profession has to offer. This is a realistic mix of hands-on training and academic learning that closely imitates a career in this exciting field.



### Health Science Careers (Nursing)

**Location:** WANIC @ LWTech, Sammamish, Woodinville  
**HS Credits:** CTE (1.5), Lab Science (1.0), Health (0.5)

With an emphasis on hands-on, patient-oriented skills training, learn about the healthcare industry and careers for nurses, physicians, and other healthcare providers or therapists. Working in a state-of-the-art facility, learn vital signs, infection control, legal and ethical issues, and bedside patient care, and earn certification in CPR/First Aid. Program includes field trips, guest speakers, team building, and leadership activities. Complete clinical experience hours in healthcare facilities to meet Nursing Assistant Certified (NAC) certification requirements. Students may qualify to complete the Washington National Nurse Aid Assessment Program (NNAAP). Students are prepared to immediately enter employment in the healthcare industry and/or continue with postsecondary education.



### ISB Systems Medicine

**Location:** WANIC @ LWTech  
**HS Credits:** CTE (2.0), Lab Science (1.0) PENDING  
**Prerequisite:** Biology

WANIC is excited to partner with world-renowned Institute of Systems Biology (ISB) to offer this new course. Interdisciplinary STEM and healthcare professionals are trained in biology, engineering, physics, computer science, environmental sustainability, health, big data, and technology. In this program, students actively engage in a series of hands-on laboratory, computer, and community-based units involving medical systems that aim to be participatory, personalized, predictive, and preventative.



### Medical Careers

**Location:** WANIC @ LWTech  
**HS Credits:** CTE (1.5), Lab Science (1.0), Health (0.5)

Learn the language of doctors, nurses, and healthcare professionals in a state-of-the-art facility. With an emphasis on Medical Assisting, students practice pediatric ambulatory care, surgical instrument preparation, vital signs, treatment room procedures, CPR/First Aid, law, ethics, medical terminology, and patient records. Program includes field trips, guest speakers, team building and leadership activities and prepares students for further education and/or an exciting career.



### Sports Medicine

**Location:** Issaquah  
**HS Credits:** CTE (2.0), Science (1.0-Issaquah)

In this advanced and accelerated course students learn anatomy, physiology, medical terminology, First Aid/CPR, nutrition, injury prevention, taping and wrapping, and rehabilitation competencies through classroom instruction, lab participation, and field internships.

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Full year WANIC Skill Center  
programs meet the state CTE  
graduation pathway requirement.