GRANTS PASS HIGH SCHOOL

Career & Technical Education

Learning that works for Oregon
CTE™

Who We Are

Career Technical Education (CTE) programs create an educational environment that integrates core academics with real-world relevance. Through CTE classes students can explore areas of interest and develop skills in high demand in the 21st century job market.

CTE classes and programs of study engage and motivate students by applying integrated core academics into hands-on learning activities and projects. CTE Programs of Study help make students "College and Career Ready" by allowing them the chance to discover their interests and passion and empowering them to choose an educational pathway that can lead to a successful future.

Technology is integral to the curriculum in CTE programs, just as it is integral to virtually every career, business and industry in the 21st Century. CTE programs are using technology to not only deliver effective education, but also to teach students how to use technology to solve problems, communicate and collaborate more effectively, and improve performance and productivity.

Through Career Technical Student Organizations (CTSOs), employers have the opportunity to provide real-world challenges and experiences for students as they learn to collaborate, cooperate, communicate and compete— important skill sets to be successful in the workplace.

Our Goal

A fundamental goal of CTE is developing partnerships with business and industry to design programs founded in the standards students must meet to compete in the job market. Through advisory committees, internships, teacher externships, workplace experiences and other interaction, employers have the opportunity to share information regarding expectations, technical requirements and workplace behavior—driving innovation and world-class performance.

GPHS offers seven CTE programs of study:

- Health Sciences
- Communication Technology
- Business and Marketing
- Manufacturing
- Early Childhood Education
- Computer Sciences
- Culinary Arts

Health Sciences

Introduces students to career opportunities within the healthcare industry through a progression of knowledge, skills, college credit, and certifications. Jobs within the industry offer a steady increase in opportunities at a living wage. The healthcare industry diagnoses, treats, and administers care around the clock, responding to the needs of millions of people.

Some facts from the bureau of Labor Statistics:

- As one of the largest industries, healthcare provides 14.3 million living wage jobs
- Healthcare will generate 2.3 million new jobs by 2024, more than any other group of occupations
- Salary projected to increase 19% through 2024, compared to 11% for all industries combined
- Average earnings of non-supervisory workers are higher than average for all private industry

Includes courses in:

- Emergency Care
- Body Works
- Basic Medical Skills
- Advanced Medical Skills
- Advanced Wilderness First Aid
- Advanced Search & Rescue
- Healthcare Industry Internships

Certifications and certificates earned:

- American Heart Association Basic Life Support
- American Heart Association Heartsaver First Aid
- FEMA Basic Community Emergency Response Team
- Center for Disease and Control TB 101
- American Heart Association Bloodborne Pathogens
- 12 Asante Employment Elements Modules include: HIPAA, Confidentiality, Compliance, Cultural Sensitivity, LGBT, IT Security Harassment,
- Asante Emergency Response, Flu, Midas & RER, Asante EAP
- ECSI Wilderness First Aid
- State of Oregon Sherriff's Department Search & Rescue Certification

Communication Technology

An information communication specialist brings ideas to life through technology. When designing, they determine the look and feel, select colors, and create a visually appealing layout. They also estimate the costs and the length of the job and determine what resources will be needed to bring the project to completion on time.

Some careers in this area include:

- Graphic Designer
- Videographer & Photographer
- Video Game Designer
- Web Designer & Programmer
- Desktop Publisher
- Art Director
- Marketing Manager
- Multimedia Artist, Digital Animator
- Mobile App Developer

Includes courses in:

- Digital Media
- Photography
- Digital Imaging
- Video Production
- Gamemaking
- Publication Design
- AP Computer Science
- Mobile App Development
- Programming

Business and Marketing

Business and Marketing is all around us. It influences much of what we buy and what we do. Students in this program are provided the opportunity to practice marketing techniques, and designing products to target specific audiences and/or work with a local business. Current economic and business events will be discussed and related to class topics as social media is now just one more way businesses reach current and future clients or patrons.

Some careers in this area include:

- Entrepreneur
- Retail Management
- Purchasing
- Marketing Manager
- Marketing Executive
- Market Research Analyst

Includes courses in:

- Marketing and Advertising
- Entrepreneurship
- Personal/Business Law
- Business Management
- Computer Applications

Manufacturing

Advanced manufacturing uses digital technologies and advanced systems and processes in the production facility. Computer aided design, high performance computing, rapid prototyping, high precision technologies, robotics, and new composite materials are all part of the new manufacturing economy. As the manufacturing industry continues to add to these new technologies and materials, the industry needs a trained and knowledgeable workforce. Students can begin learning about digital design, new materials and processes while in high school and carry that into a variety of post-secondary opportunities that can lead to high wage jobs in the industry.

Some careers in this area include:

- Engineer
- Welder
- Machinist
- Operations Manager
- Purchasing Manager
- Assemblers and Fabricators

Includes courses in:

- Drafting and Design
- CADD
- Metals Frabrication I-III
- 3 and 5 Axis CNC
- Design, Materials and Production I-III
- Guitar Fabrication

Certifications available:

- American Welding Society
- Solidworks Certification

Visit our webpage at
www.gphsmanufacturing.org

Early Childhood Education

This program explores the development of children and encourages greater understanding of the "realities" of being a parent. Major topics studied include: prenatal development, physical, social, emotional and cognitive development of children; communication techniques, discipline: and various theories in the study of child development. Students apply their learning with infants and toddlers in the childcare facility.

Some careers in this area include:

- Preschool Teacher
- Preschool Teaching Assistant
- Elementary Teacher
- Daycare Manager
- Worker (Nannies)
- Special Education Teacher
- Elementary School Administrator

Includes courses in:

- Children and Families in ECE
- Child Psychology
- Best Practices in ECE
- Applied ECE
- Observation in ECE
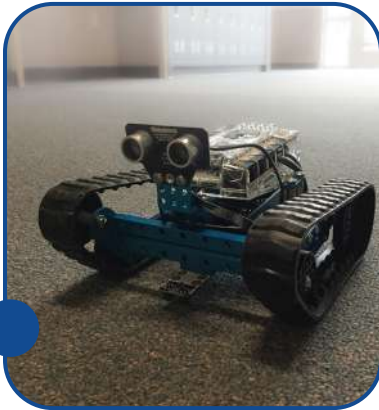- ECE Practicum

Computer Sciences

Computer science is everywhere, from our smartphones and video games to music, medicine, and much more. The GPHS Computer Science Pathway can help you understand how computing and technology influence the world around you. Learn how to creatively address real-world issues while using the same tools and processes that artists, writers, computer scientists, and engineers use to bring ideas to life. Depending on the classes you take, you will learn about the fundamentals of programming, problem solving, computing, working with data, understanding the Internet, cybersecurity, and programming. The goals of GPHS's Computer Science Pathway are to develop skills for future study or a career in computer science or other STEM fields. These classes will also broaden your understanding of computer science for use in a diversity of majors and careers.

Some careers in this area include:

- Video Game Design
- Software Systems Engineer
- Software Developer
- Robotics Programming
- E-Commerce Analyst
- Network Analyst
- Network Engineer
- Network Security Administrator
- Data Base Manager
- Cryptology
- Web Developer
- Mobile App Developer
- Technical Support
- Information Technology Manage

Includes courses in:

- Intro to Game Programming
- Mobile App Development
- Intermediate Game Programming
- AP Computer Science A
- AP Computer Science Principles

Culinary Arts

This program of study is designed to prepare students to work in the Hospitality Industry. Students learn food preparation, industry regulated sanitation and safety standards, food cost analysis, marketing and advertising, as well as techniques for obtaining and keeping a job. Practical application is obtained through a student run catering business.

Some careers in this area include:

- Caterer
- Chef
- Dietician
- Executive Chef
- Executive Pastry Chef
- Food Service Manager
- Hostess

Includes courses in:

- Intro to Culinary
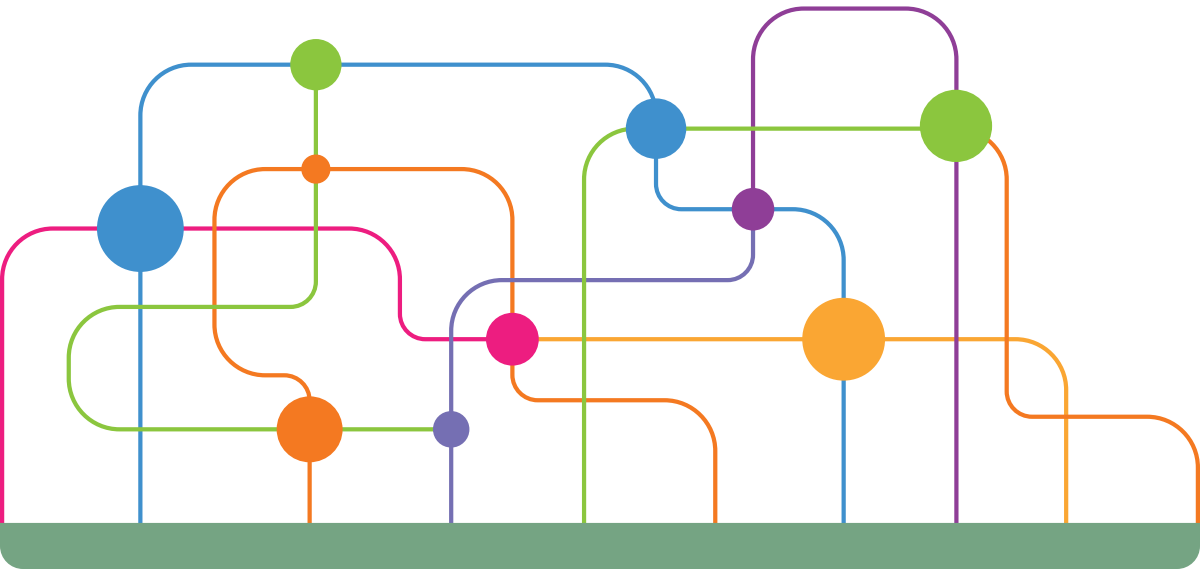- Culinary Nutrition
- Culinary Arts I and II

Career & Technical Education Pathways

CTE is organized by a national framework made up of 16 Career Clusters. This framework presents a complete range of related career options to students, helps them discover their interests and passions, and empowers them to choose the educational pathway that can lead to success in high school, college and/or their chosen career. These pathways provide opportunities for local business and industry to interact with CTE programs through internships, work-based learning, apprenticeships, and cooperative education.

Career pathways are an integrated collection of programs and services intended to develop students' core academic, technical and employability skills; provide them with continuous education, training; and place them in high-demand, high-opportunity jobs.

The state of Oregon defines career pathways as a "series of articulated educational and training programs and services that enables students, often while they are working, to advance over time to successively higher levels of education and employment in a given industry or occupational sector". Each step on a career pathway is designed explicitly to prepare students to progress to the next level of employment and education. A career pathways initiative consists of a partnership among community colleges, primary and secondary schools, workforce and economic development agencies, employers, labor groups and social service providers. More than 250 career pathway roadmaps are available through Oregon's 17 Community Colleges.

For more information, please contact:

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WE ARE GP
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