



OPPORTUNITIES FOR FRESHMAN

CTE is hands-on learning, real-life skills, and career exploration. Career and Technical Education (CTE - formerly referred to as vocational education) prepares students for life and a career after high school. Apprenticeships, technical schools, community colleges, military, or four-year universities are options that can be explored in our courses. Science, technology, engineering, and mathematics (STEM) concepts are taught in many of our CTE courses and include a blend of academic, leadership, technical, and trade skills. Many CTE courses offer college credit through CTE Dual Credit at Everett Community College for free or at a greatly reduced rate. In addition, CTE courses may be used to meet a students CTE, Personal Pathway, and Elective graduation requirements. Further many courses may be used to meet core academic areas such as Fine Arts, Science, Math, and English through course equivalency.

HERE ARE THE CTE COURSES OPEN TO FRESHMAN:

CTE COURSE	GRADE	EQUIVALENCY/ REQUIREMENT MET	COLLEGE CREDIT	INDUSTRY CERT.
American Sign Language (ASL)	9-11	World Language		
Beginning Woodworking	9-10			
Computer Programing & Game Design	9-12	Fine Arts		Yes (Unity)
Culinary Arts	9-12			Yes (Food Handler)
Digital Design 1 & 2	9-12	Fine Arts		Yes (Adobe)
Engineering Design 1	9-12	Fine Arts	Yes	Yes (Rhino)
Introduction to Business & Entrepreneurship	9-12		Yes	
Introduction to Health Sciences	9-12			
Introduction to Marketing	9-12			
Leadership 1	9-12			
Microsoft Academy	9-12			Yes (Microsoft)
Multimedia 1	9-12	Fine Arts		Yes (Adobe)
Photography 1	9-12	Fine Arts		Yes (Adobe)
Science Explorations	9	Lab Science		
Street Law 1 & 2	9-12			
Web Page Design	9-12	Fine Arts		Yes (Adobe)

AMERICAN SIGN LANGUAGE I *Course Code: CTC121/CTC122*

Beginning class of American Sign Language offers an opportunity to learn to communicate with the deaf. Finger spelling, basic vocabulary, as well as some grammatical aspects of ASL will be covered. In addition, this course will provide an introduction to the deaf culture, signing systems used other than ASL, and the psychological aspects of deafness. must provide their own transportation.

BEGINNING WOODWORKING *Course Code: CTT101/CTT102*

Emphasis of this class is the use, care, and operation of hand tools, portable power tools, and stationary machines. To work with these tools or machines the student will have to pass the terminology and usage test with an 80% or higher score and a 100% score on safety rules and operations.

COMPUTER PROGRAMMING & GAME DESIGN

Course Code: CTB241/CTB242

This course will serve as an introduction to basic, yet essential, computer programming principles. We will use programs that operate with a drag-and-drop interface that helps students learn quickly by providing graphical representations for complex programming concepts. Students will design several different styles of games while learning important computer programming concepts.

CULINARY ARTS *Course Code: CTC111/CTC112*

This course is for the student who is serious about food and the food industry. We will examine food-related careers, the flow of food from production to consumption, food safety issues, basic cooking techniques, food science and customer service. Students will be required to maintain a personal portfolio showing evidence of learning in each area explored through classroom activities. Each student will be offered the opportunity to acquire a food handler's card. You will leave this course with a better understanding and appreciation for the role of food service workers in our society. You will also have knowledge and experience with industry standards and basic skills. If you are creative, willing to work and enjoy serving others, you are sure to enjoy this class.

DIGITAL DESIGN *Course Code: CTB121*

Digital Design 1 is intended for students interested in learning how to create and edit well designed graphics for professional use. Topics include fundamental 2D layout principles, developing vector and pixel-based images for print and web, color theory, principles of design, typography (letter & type design), copyright, career research, graphic file formats and resolution. Students will create original pieces, peer evaluate, and demonstrate a basic ability of design technique using Photoshop and Illustrator software. Promotional pieces may include product packaging, print ads, logos, brochures, collages, newsletters, posters, typography, and web materials.

DIGITAL DESIGN 2 *Course Code: CTB122*

Digital Design 2 builds upon the skills learned in Digital Design 1 and challenges students with projects that are more complex, detailed and creative in nature. Students will explore the fundamentals of layout and design using Adobe InDesign. Digital photography will be available to enhance graphic imaging.

ENGINEERING DESIGN I *Course Code: CTT201/CTT202*

Students dig into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software. Students will:

- Learn to use 2D & 3D CAD software
- Design and Produce parts using a 3D Printer
- Utilize a laser cutter to create projects
- Develop basic electronics skills
- Create structural engineering plans
- Produce a variety of 3D engineering graphics

INTRODUCTION TO BUSINESS & ENTREPRENEURSHIP

Course Code: CTB101

In this semester-long class, students will study a broad range of business topics such as: The Economic Environment, Businesses in our Economy, Business Management and Leadership, The Global Economy, The Role of Consumers and Business Financial Management. Guest speakers from Rotary and the Chamber of Commerce are invited in to share their expertise and experiences. Typically, students have the opportunity to participate in a field trip to explore a variety of businesses.

INTRODUCTION TO HEALTH SCIENCES

Course Code: CTH201/CTH202

In this course students will explore various careers and opportunities in the health-care industry. They will learn skills and knowledge that prepare them for these opportunities. Classroom time is spent on the study of the muscular, skeletal, nervous, respiratory, digestive and cardiovascular systems as they relate to first aid/CPR, evaluation, recognition, treatment, rehabilitation, and prevention of injuries. The focus will be on patient care and treatment.

INTRODUCTION TO Marketing *Course Code: CTB102*

What is Marketing? Marketing is satisfying customer's needs and wants. Marketing is all around us and used by all of everyone daily. In this course students will be introduced to the world of marketing. Using business models from industry experts like Nike, Adidas, XBOX, Disney, Professional Sports, and Entertainment Companies, students will learn about Customer Service, Marketing Research, Product Development and Distribution. Students will also learn work readiness skills employers are expecting. They will also learn how to market themselves, build confidence, and introduce new products and services in highly competitive and sometimes-international business environments.

LEADERSHIP I *Course Code: CTB145/CTB146*

This course is intended for students who have an interest in developing their leadership capacity using the "servant leadership" model. Students develop this capacity through selected readings, memorizing quotes, giving speeches, serving as a Pen Pal, completing community service hours each quarter and assisting in the planning and production of select school-wide events and activities. This class focuses primarily on learning the language and theory of personal student leadership.

MICROSOFT ACADEMY *Course Code: CTB111/CTB112*

This class prepares students for the 21st century learning environment by covering the technology skills necessary to be successful in their high school courses and beyond. The Microsoft IT Academy is embedded into this course, which allows students to receive Microsoft Office Specialist (MOS) certification. Students are introduced to computer science using parts of the Code.org curriculum.

MULTIMEDIA I *Course Code: CTB221/CTB222*

Designed as a survey course, students are introduced to different types of media used in media industry. Students will get hands-on experience planning, writing, directing, shooting, and editing video using professional software. Students will also learn how to use cameras, lighting, special effects, and audio editing software. Other course topics include editing images using Photoshop, copyright, and career exploration. This course provides relevant experiences and problem-solving skills that can be transferred to the world of work.

- How to shoot, edit, and create high quality videos
- Skills in using Adobe Premiere
- Digital image editing techniques with Photoshop
- Motion graphics/ animation skills
- Visual design principles
- Audio production techniques

PHOTOGRAPHY I *Course Code: CTB127/CTB128*

In Photography 1, students take photos for their class projects and also for the high school's yearbook. In addition, they process digital images using the latest version of Adobe Photoshop for high-quality printing and other web-based projects. A major emphasis of the class is operating a DSLR camera manually to understand how shutter speed and aperture work together to create proper exposures for different artistic effects.

SCIENCE EXPLORATIONS *Course Code: CTA160, SC160*

Science Explorations is an algebra-based science course focusing on the Washington State Science Learning Standards for physical and earth science with laboratory investigations included in each unit. Students will develop knowledge and skills that utilize the Science and Engineering Practices outlined in the NGSS standards.

STREET LAW 1 *Course Code: CTB107*

This is a course that focuses on the justice system related to business, criminal, and personal responsibility. Learn the theory and practices of the legal system including both the criminal and civil courts. Students will study a broad range of business law related topics such as: Law, Justice and Ethics; Sources of Law (federal-state-local); Contract Law, Property Law, Employment Law: and Law and Finance. Additionally, students will study the criminal law system and how it functions. Students interested in business, legal, or criminal justice careers should take this course.

STREET LAW 2 *Course Code: CTB109*

Law-related career exploration is a focus of this class. Subjects include contracts used when people get married, buy cars, or rent an apartment. Students will also study constitutional and case law that focus on the rights and responsibilities of consumers and business owners. Students will take a more in depth look at the criminal justice system.

WEB PAGE DESIGN I *Course Code: CTB225/CTB226*

Web Design is a hands-on, project-centered course in which students will learn proper techniques of web site design. Create professional-looking websites and learn to code using HTML, Dreamweaver, and PhotoShop. This course emphasizes design elements involving layout, navigation, and interactivity. Students prepare for higher education or jobs in the Internet economy.