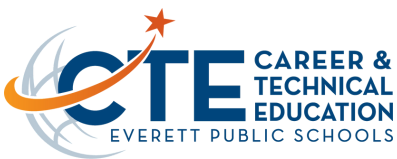




CTE COURSE STUDENT GUIDE



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How does CTE help me?

WHY

In today's world, it is critical to ensure students are career and college ready. CTE strives to make sure students experience enough academic rigor to prepare them for post-high school education, but also with enough skills and appropriate certification or experience to join the workforce right after graduation.

CTE programs provide students with the tools to be career ready!

WHAT

CTE provides content to students that has been vetted by industry members as relevant to the workforce. CTE courses provide students with the ability to graduate career ready, or college ready, whatever their choice may be.

CTE courses provide students with the opportunity to earn Industry Certifications, to experience Career Technical Student Organizations (listed on next page), like DECA or Skills USA, to benefit from work-based learning opportunities and to learn unique technical skills.

Work-based Learning

Research shows students who participate in work-based learning may show improved academic achievement and will acquire real workplace experience and employability skills

All CTE courses provide WBL opportunities to our students.

Options are:

- Career research
- Job interviews/job shadow
- Guest speakers
- School-based enterprises
- Placement in paid or unpaid internships
- Apprenticeships
- Ownership/Entrepreneurship
- Course related service learning projects

Industry Recognized Certs

IRCs provide students with real work certifications that transfer seamlessly to their post high school career goals.

IRCs are recognized by industry members as relevant certifications students may need once in the workforce.

Our aligned curriculum and/or resources provided by CTE includes these IRCs, which can be identified in this student guide via the green certificate icons.



What CTSO can I join?

AP Studio Art	AP 2-D/3-D Art and Design	
CHS Astronomy Club	Astronomy & Aerospace	
DECA	Accounting I* Accounting II* Business & Finance* Business Law** Foundations of Business and Marketing Entrepreneurship	Business Operations Social Media Marketing Economics** AP Macroeconomics* AP Microeconomics*
Educators Rising	Introduction to Education Child Development* Introduction to Early Childhood Education*	
FBLA	Accounting I* Accounting II* Business & Finance* Business Law* Microsoft Office User Specialist	Economics* AP Macroeconomics* AP Microeconomics* Web Design** Publications**
FCCLA	Family Health Child Development* Independent Living	Introduction to Early Childhood Education* Nutrition and Food Prep Nutrition and Wellness
FFA	Sustainable Agriculture AP Environmental Science	
HOSA	Anatomy & Physiology* Biotechnology Home Care Aide	Introduction to Health Science Careers* Medical Terminology* Sports Medicine
Mock Trial	Introduction to Law	
Skills USA	Automotive Foundations of Manufacturing	
Thespians	Technical Theatre	
TSA	AP Computer Science Introduction to Computer Programing Digital Photography Graphic Design Robotics and Mechatronics	Robotics Tech Video Game Design Video Production Web Design** Publications**
WCTSMA	Anatomy & Physiology* Introduction to Health Science Careers*	Medical Terminology* Sports Medicine*

* Course aligns with more than one CTSO/CTE Club

Everett Career Link

SUMMER PROGRAMS



is a partnership between Everett Public Schools, Snohomish STEM + Economic Alliance Snohomish County, the City of Everett and regional employers.

The program, broken into three options each summer, is designed to offer students the opportunity to "learn before they earn" by showing them what it is like to work in a specific job environment, and provides high school credit to students. Students are able to:

- Explore career options in various fields
- Build community connections and networks by connecting with students from across the district and employers from across the region
- Enhance employability and 21st Century skills
- Inform and motivate course and career planning
- Boost resume and college applications

EXPLORATION PROGRAM - VIRTUAL

Students will work with fellow 8th or 9th grade peers to meet with a variety of panelists and to learn about careers in an industry they are interested in! Students:

- look at opportunities in career clusters that are aligned with their abilities, interests and personalities.
- formulate academic and career goals while creating a plan for future achievement.
- benefit from additional guidance prior to entering high school.

MENTORSHIP PROGRAM - VIRTUAL

Students will work in a small group of fellow 10th or 11th grade students to interview industry professionals to answer an industry specific question. Students:

- take an in-depth look at career opportunities that are aligned with their abilities, interests and personalities to formulate academic and career goals.
- work closely with an industry mentor to discuss solutions and ideas.
- apply problem-solving, collaboration, project management, human relations, presentation and networking skills.

INTERNSHIP PROGRAM - SUMMER DATES VARY

Students ages 16 and older will gain hands on experience working in an industry they're excited about and will learn directly from the pros. Students are linked with local businesses and complete 90 hours over 5-6 weeks. They are given the chance to "learn before they earn" by experiencing what it is like to work in a specific job or work environment while earning credit.

Career & Technical Education Graduation Pathways



AGRICULTURE EDUCATION & SCIENCE

Courses include:
Sustainable Agriculture, Biology and the Environment
and AP Environmental Science.



BUSINESS & MARKETING

Courses include:
Business Finance, Accounting, Economics, Entrepreneurship,
Foundations of Business & Marketing, Business Law, Web Design,
Microsoft User Specialist, Intro to Programming, AP Computer
Science Principles and AP Computer Science A.



FAMILY & CONSUMER SCIENCES

Courses include:
Child Development, Introduction to Education,
Independent Living, Nutrition & Wellness,
Nutrition & Food Prep, Family Health, AP Psychology and
Family & Consumer Sciences Coop (for early Child Care Basics).



HEALTH SCIENCES

Courses include:
Intro to Health Science Careers, Medical Terminology,
Biomanufacturing, Biotechnology, Home Care Aide,
Anatomy & Physiology and Sports Medicine I & II.



SKILLED & TECHNICAL SCIENCES

Courses include:
NJROTC, Graphic Design, AP 2-D/3D Art & Design, AP Drawing,
Video Game Design, Video Production, Digital Photography,
Robotics Tech, Robotics & Mechatronics, Automotive Tech,
Automotive Maintenance, Manufacturing and Theater Tech.



STEM

Courses include:
Astronomy & Aerospace, AP Physics, Engineer Your World
and Physics in the Universe.



COURSES CHANGE SLIGHTLY FROM YEAR TO YEAR.
REVIEW YOUR COURSE CATALOG FOR THE MOST CURRENT COURSE OFFERINGS.

SCAN FOR
MORE INFORMATION

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Students must meet one math and one English Language Arts (ELA) Pathway as defined in the High School and Beyond Plan.

MATH PATHWAYS

Meet Standard on the SBA
(Minimum score: 2595)
All students take the SBA in 10th grade

Complete and qualify for college credit in a year-long dual credit math course:

- Pre-Calculus
- Statistics
- Running Start Math class (100-level or above)

Earn credit in a year-long high school math transition course:
Bridge to College Math

Earn a C+ or higher in both semesters of a qualifying Advanced Placement (AP) math course OR score a 3 or higher on a qualifying AP math exam:

- AP Statistics
- AP Calculus AB or BC
- AP Computer Science A
- AP Computer Science Principles

Meet standard on the SAT (430) or ACT (16) in math



ELA PATHWAYS

Meet Standard on the SBA
(Minimum score: 2548)
All students take the SBA in 10th grade

Complete and qualify for college credit in a year-long dual credit ELA course:

- UW English Comp: General
- UW English Comp: Literary
- UW English Comp: Humanities
- EvCC English 4
- Running Start English class (100-level or above)

Earn a C+ or higher in both semesters of a qualifying Advanced Placement (AP) ELA course OR score a 3 or higher on a qualifying AP ELA exam:

- AP English Lang & Comp
- AP English Lit & Comp
- AP Psychology
- AP World History
- AP US History
- AP US Gov & Politics
- AP Macroeconomics
- AP Microeconomics

Meet standard on the SAT (410) or ACT (14) in reading, writing, or English

ASVAB Pathway:

Meet standard on the Armed Services Vocational Aptitude Battery (ASVAB)
This pathway meets both math and ELA requirements (Minimum AFQT: 31)



Career Technical Education (CTE) Pathway :

Complete a qualifying sequence of career and technical education (CTE) courses
This pathway meets both math and ELA requirements

Must earn 2.0 credits in one of the following pathways*:

- Agriculture Education & Science
- Business & Marketing
- Family & Consumer Sciences
- Health Science
- Skilled & Technical Sciences
- STEM
- Skill Center programs (Sno-Isle)

*Can use .5 CCRS or Career Choices to complete a CTE pathway
(Example: Health Sciences pathway – 1.0 Anatomy & Physiology, 0.5 Sports Med 1, .5 CCRS)

*Note: Students who pursue these pathways (ASVAB or CTE) do not need to meet English and math requirements separately. English and math content are embedded in both pathways – and a student who meets either the ASVAB standard or the CTE pathway requirements has met the graduation pathway requirement.

Pathway Connections Middle School to High School

Graduation Requirements and CTE

In your High School & Beyond Plan, if you have selected a CTE graduation pathway, you must earn 2.0 credits in that pathway, which meets CTE math and ELA graduation requirements. Pathways are color coded; key is located at the bottom.

Certification Opportunities

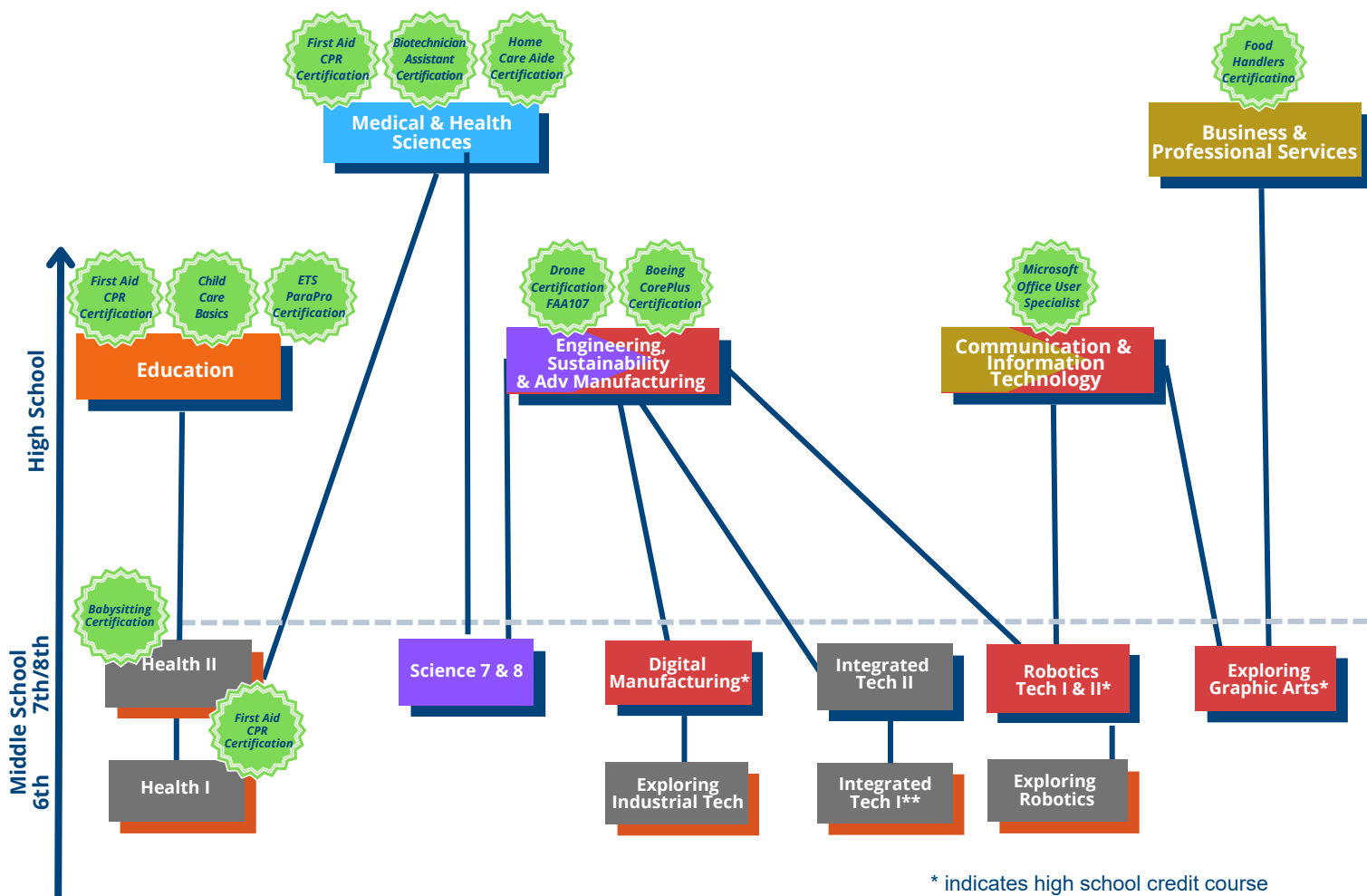
Graduation pathways allow students to earn certifications within courses. These certifications are recognized by industries and are a critical part of career readiness.

Middle School

CTE courses are not limited to high school. We have a growing number of CTE offerings across our middle schools, all of which can lead to a high school graduation pathway. Below are the middle school course offerings and how they can connect to CTE Graduation Pathways.



Scan for
more information



* indicates high school credit course
** is CTE only for students in grades 7 & above

CTE Graduation Pathways Color Code

Skilled & Technical Sciences	Family & Consumer Sciences	Agriculture Education & Science	Health Sciences	Business & Marketing	HS STEM	Middle School CTE	Middle School STEM
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Agricultural Sciences Career Opportunities & Courses

Below are potential jobs and average salaries which may be related to courses taken in the **Agricultural Sciences Pathway**.

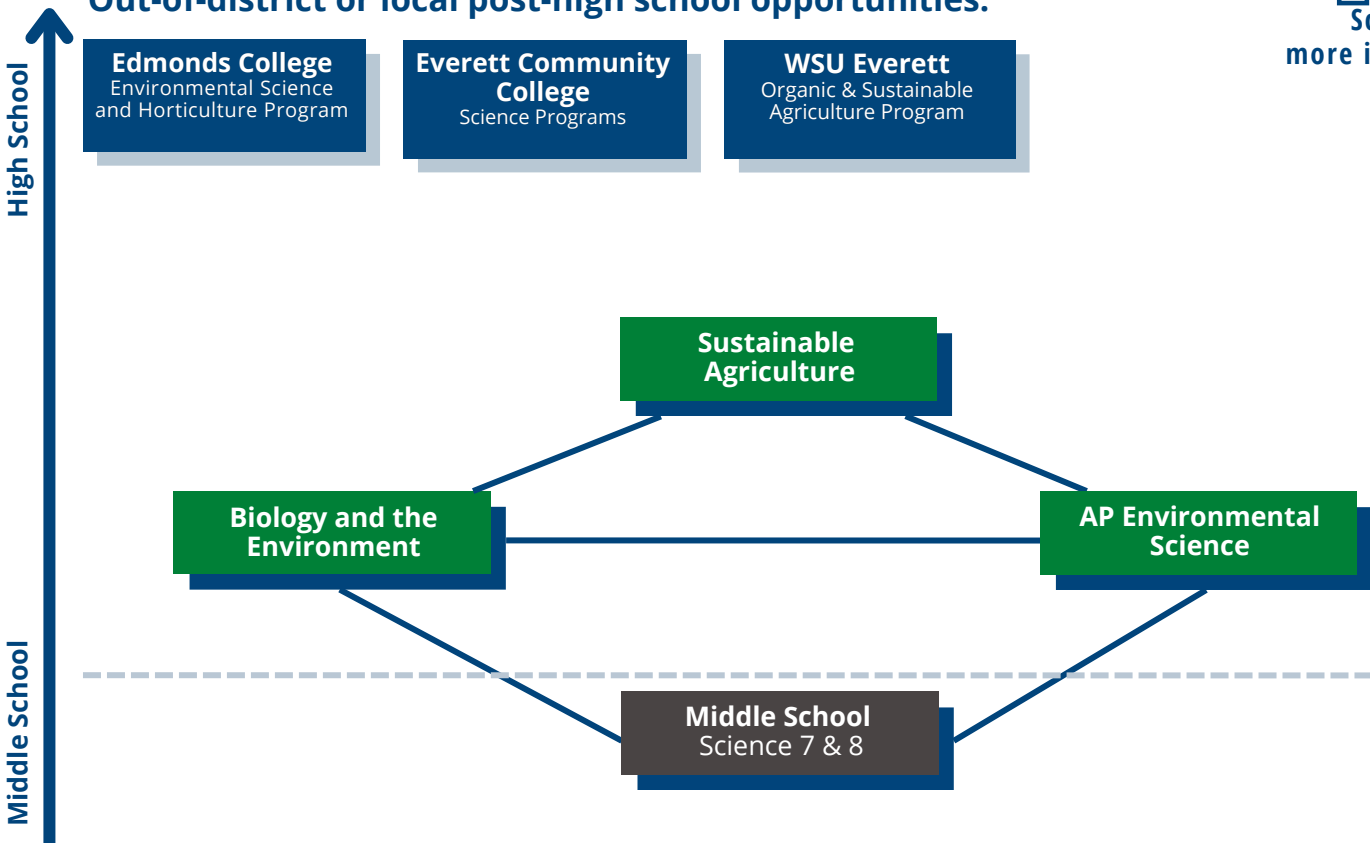
Landscape Designer ~ \$57,000	Pest Control Manager ~ \$40,000	Wildlife Biologist ~ \$72,000
Agricultural Manager ~ \$68,000	Environmental Specialist ~ \$54,000	Agricultural Sales Rep ~ \$65,000
Crop Consultant ~ \$50,000	Agronomist ~ \$67,000	Agricultural Journalist ~ \$35,000



Scan for
more information

In order to meet math and ELA CTE Pathway requirements, you must earn 2.0 credits in that pathway. For **Agriculture Education & Science**, choices below are indicated in **green**.

Out-of-district or local post-high school opportunities:



CTE Graduation Pathways Color Code

■ Skilled & Technical Sciences	■ Family & Consumer Sciences	■ Agriculture Sciences	■ Health Sciences	■ Business & Marketing	■ HS STEM	■ Middle School CTE	■ Middle School
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Business & Marketing Career Opportunities & Courses

Below are potential jobs and average salaries one might enjoy based on courses taken in the **Business & Marketing Pathway**.

Social Media Marketing Coordinator ~\$39,000	Marketing Assistant ~ \$48,000	Marketing Executive ~ \$51,000
Search Engine Optimization Specialist ~ \$45,000	Marketing Analyst ~ \$60,000	Digital Marketing Coordinator ~ \$60,000
Content Marketer ~\$61,000	Director of Marketing ~ \$80,000	Product Marketing Manager ~ \$95,000



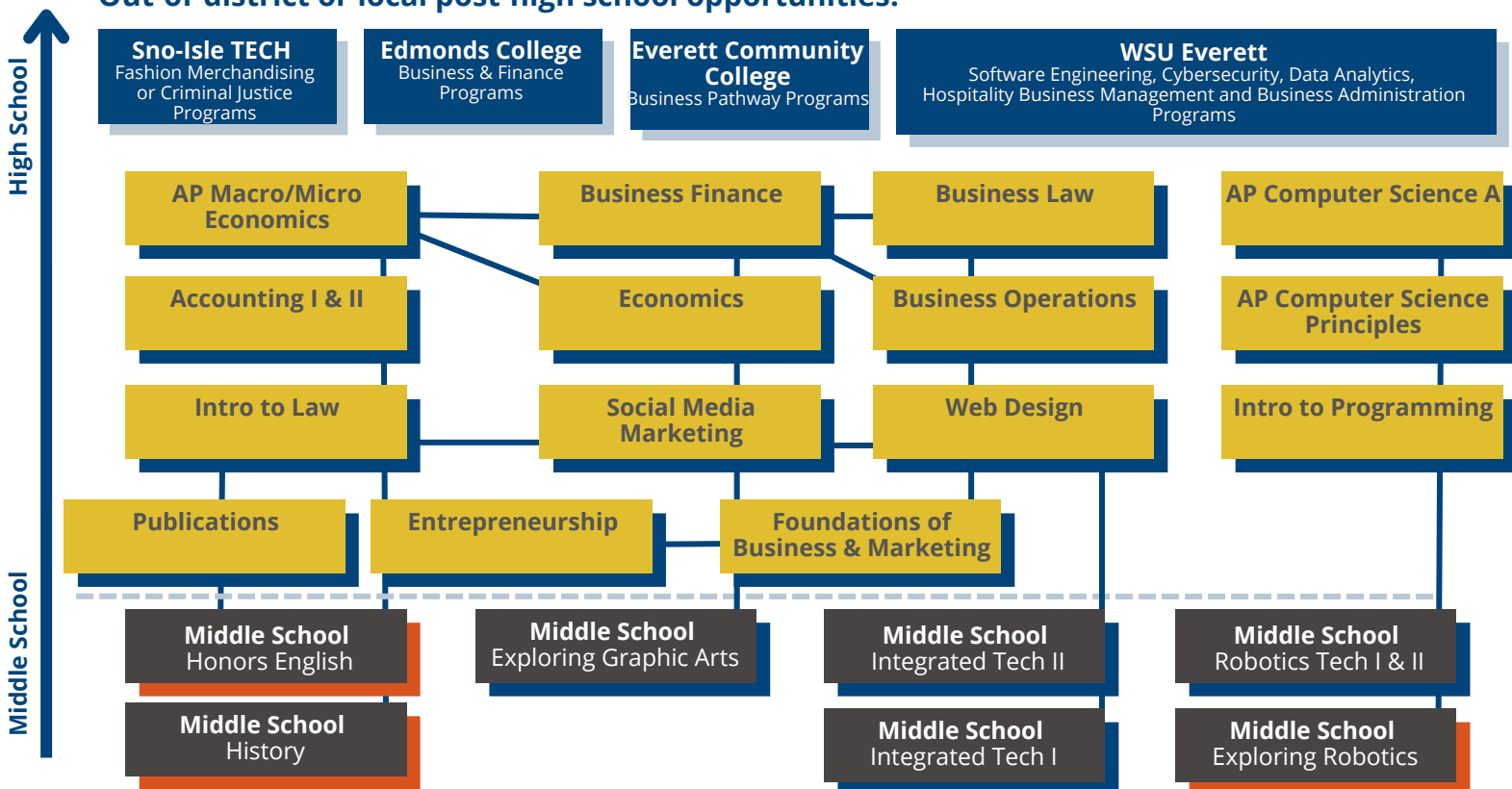
Scan for

more information

In order to meet math and ELA CTE Pathway requirements, you must earn 2.0 credits in that pathway. For **Business & Marketing**, choices below are indicated in **yellow**.

Out-of-district or local post-high school opportunities:

Sno-Isle TECH Fashion Merchandising or Criminal Justice Programs	Edmonds College Business & Finance Programs	Everett Community College Business Pathway Programs	WSU Everett Software Engineering, Cybersecurity, Data Analytics, Hospitality Business Management and Business Administration Programs
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CTE Graduation Pathways Color Code

■ Skilled & Technical Sciences	■ Family & Consumer Sciences	■ Agriculture Sciences	■ Health Sciences	■ Business & Marketing	■ HS STEM	■ Middle School CTE	■ Middle School
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Family & Consumer Sciences Career Opportunities & Courses

Below are potential jobs and average salaries which may be related to courses taken taken in the **Family & Consumer Science Pathway**.

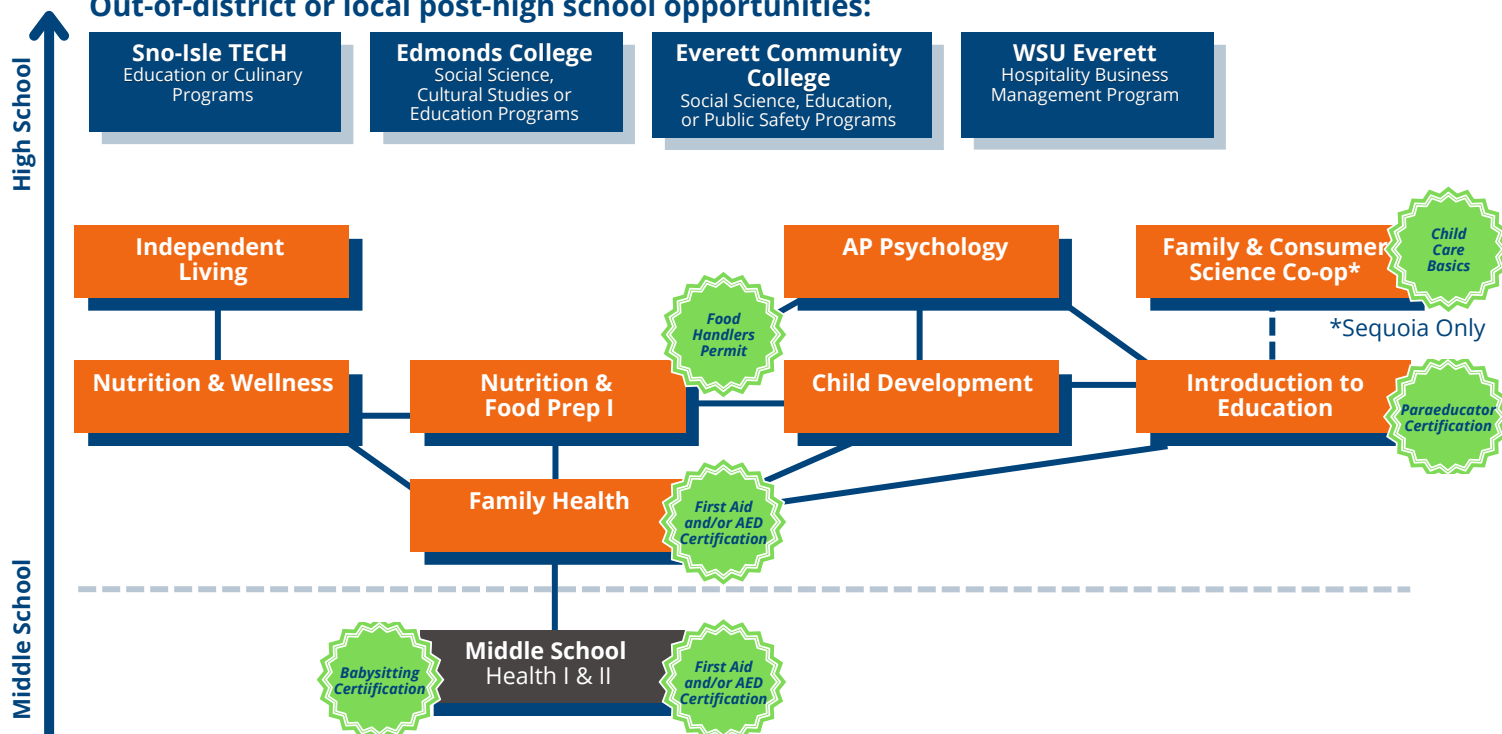
Teacher ~ \$75,000	Youth Program Coordinator ~ \$35,000	Wellness Specialist ~ \$41,000
Child Care Director ~ \$43,000	Substance Abuse Counselor ~ \$46,000	Recruitment Specialist ~ \$56,000
Child Life Specialist ~\$56,000	Occupational Therapist ~ \$82,000	Psychologist ~ \$95,000



Scan for more information

In order to meet math and ELA CTE Pathway requirements, you must earn 2.0 credits in that pathway. For **Family & Consumer Sciences**, choices below are indicated in **orange**.

Out-of-district or local post-high school opportunities:



CTE Graduation Pathways Color Code

■ Skilled & Technical Sciences	■ Family & Consumer Sciences	■ Agriculture Sciences	■ Health Sciences	■ Business & Marketing	■ HS STEM	■ Middle School CTE	■ Middle School
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Health Sciences Career Opportunities & Courses

Below are potential jobs and average salaries which may be related to courses taken taken in the **Health Sciences Pathway**.

Patient Care Tech ~ \$35,000	Patient Representative ~ \$38,000	Health Care Administrator ~ \$72,000
Public Health Nurse ~ \$69,000	Occupational Therapist ~ \$81,000	Medical Translator ~ \$57,000
Biomedical Engineer ~\$81,000	Home Care Aide ~ \$43,000	Biotech Technician ~ \$50,000

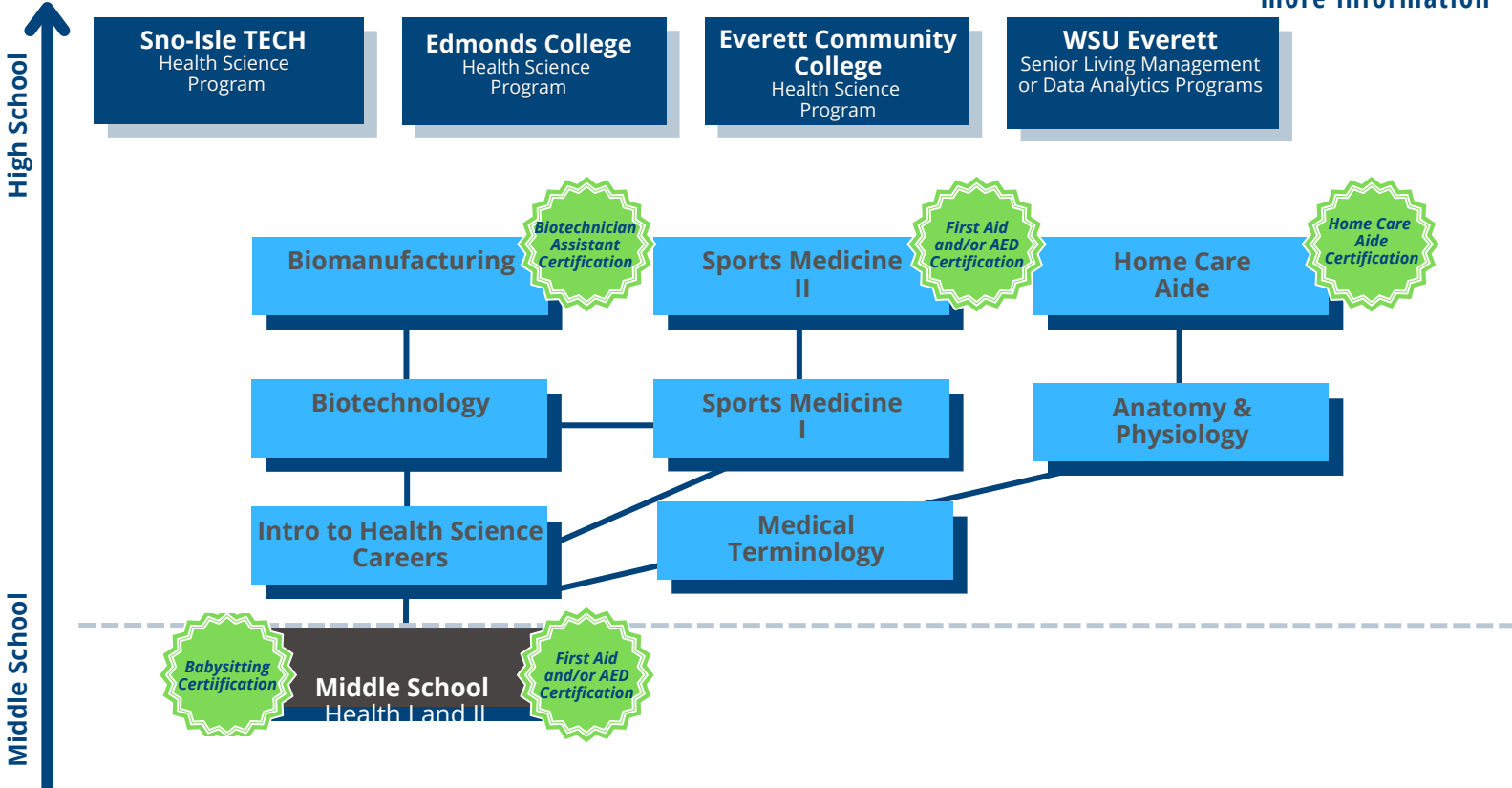


Scan for
more information

In order to meet math and ELA CTE Pathway requirements, you must earn 2.0 credits in that pathway. For **Health Sciences**, choices below are indicated in **blue**.

Out-of-district or local post-high school opportunities:

Sno-Isle TECH Health Science Program	Edmonds College Health Science Program	Everett Community College Health Science Program	WSU Everett Senior Living Management or Data Analytics Programs
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Skilled & Technical Sciences Career Opportunities & Courses

Below are potential jobs and average salaries which may be related to courses taken taken in the **Skilled & Technical Sciences Pathway**.

Packaging Designer ~ \$65,000	Digital Marketing Specialist ~ \$61,000	Automotive Technician ~ \$57,000
Videographer ~ \$109,000	Content Producer ~ \$60,000	Video Editor ~ \$47,000
Manufacturing Technician ~\$50,000	Manufacturing Engineer ~ \$88,000	U.S. Navy ~ \$73,000

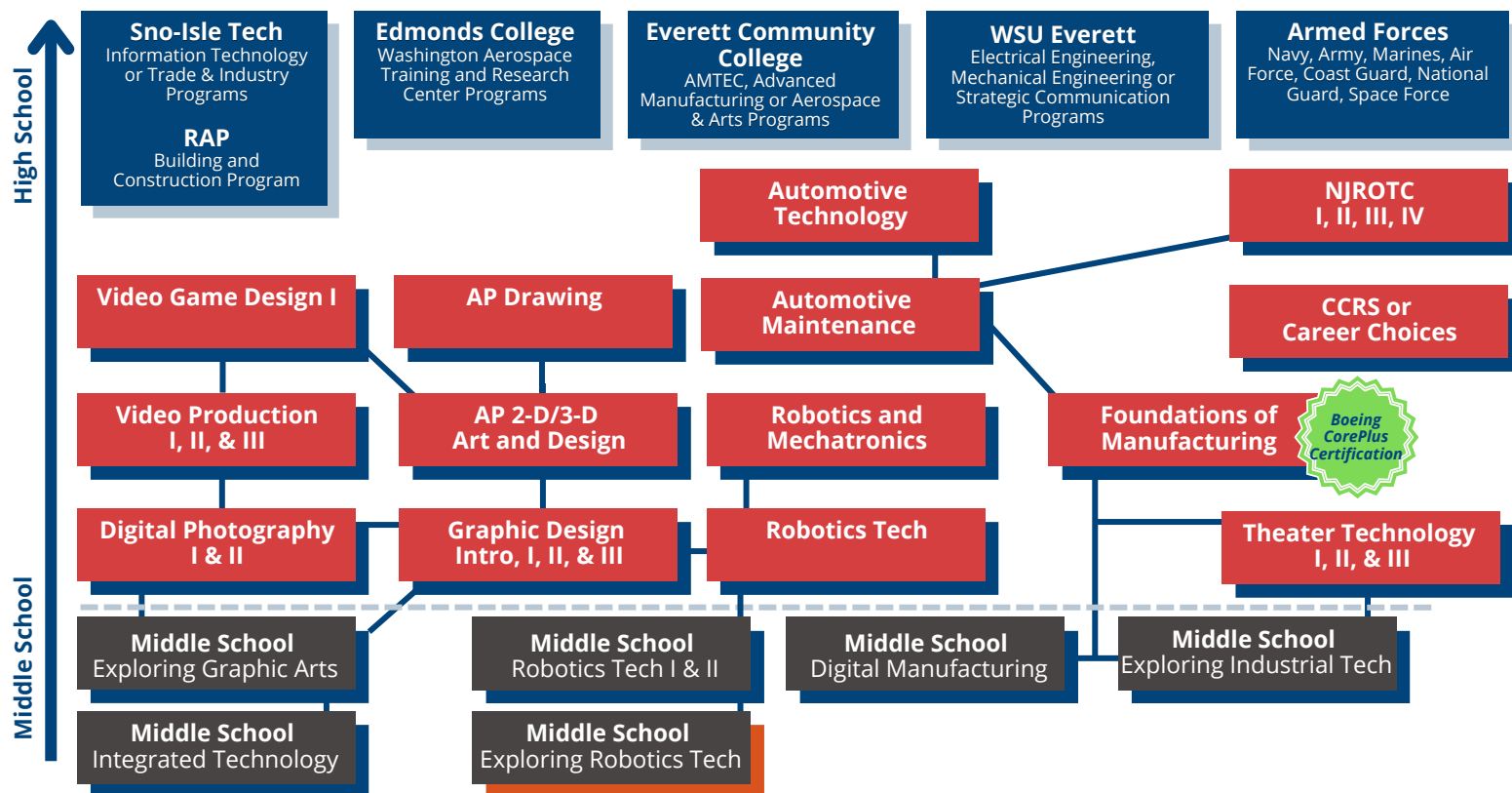


Scan for

more information

In order to meet math and ELA CTE Pathway requirements, you must earn 2.0 credits in that pathway. For **Skilled & Technical Sciences**, choices below are indicated in **red**.

Out-of-district or local post-high school opportunities:



CTE Graduation Pathways Color Code

Skilled & Technical Sciences

Family & Consumer Sciences

Agriculture Sciences

Health Sciences

Business & Marketing

HS STEM

Middle School CTE

Middle School

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STEM Career Opportunities & Courses

Below are potential jobs and average salaries which may be related to courses taken taken in the **STEM Pathway**.

Astrophysics Researcher ~ \$132,000	Science Data Operator ~ \$95,400	Systems Engineer ~ \$83,000
Civil Engineer ~ \$66,000	Application Engineer ~ \$70,000	Engineering Associate ~ \$50,000
Radiation Physicist ~\$75.00/hr	Aerospace Manufacturer ~ \$65,000	Aerospace Marketing Specialist ~ \$93,400

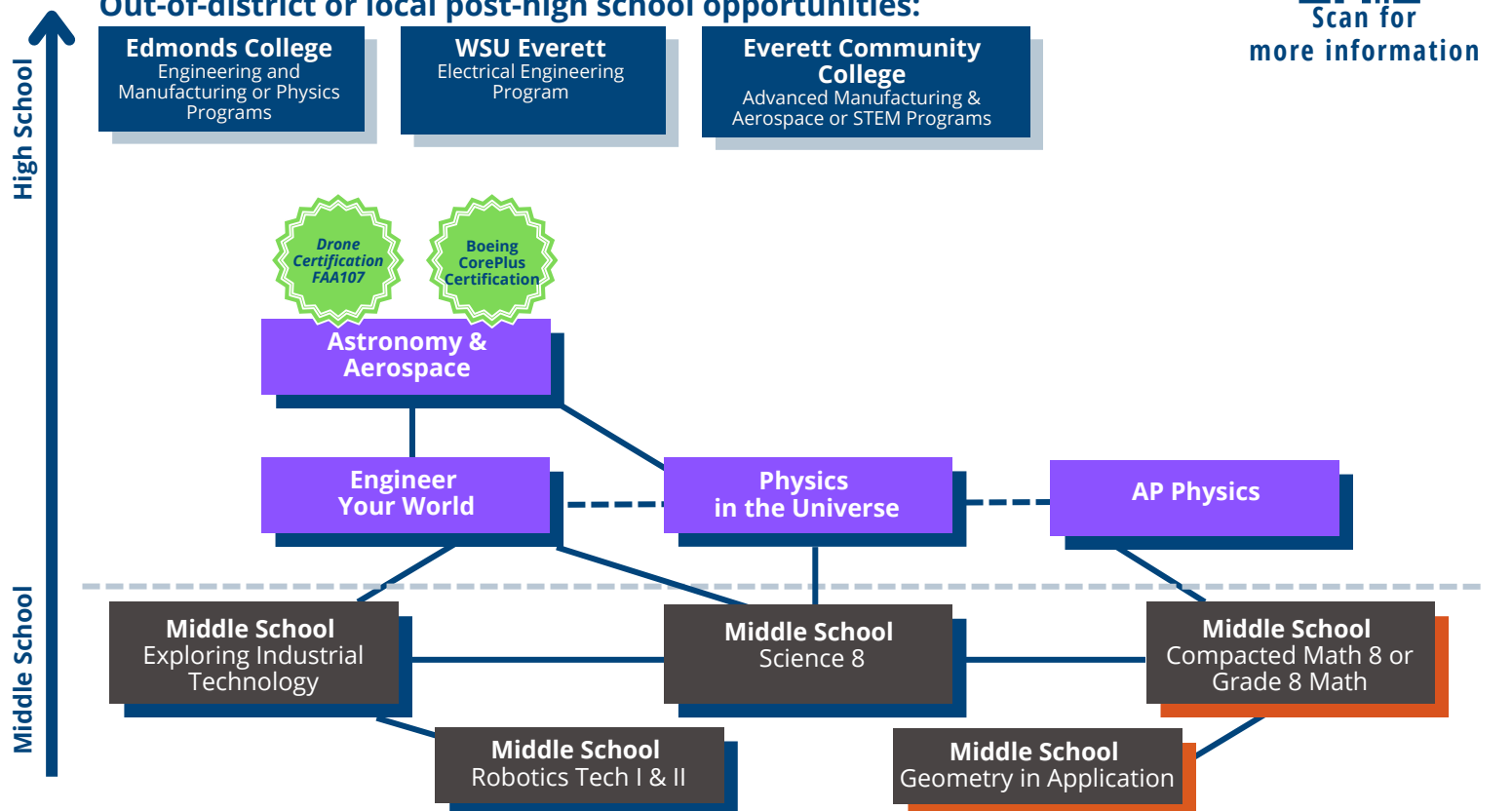


In order to meet math and ELA CTE Pathway requirements, you must earn 2.0 credits in that pathway. For **STEM**, choices below are indicated in **purple**.



Scan for
more information

Out-of-district or local post-high school opportunities:



CTE Graduation Pathways Color Code

■ Skilled & Technical Sciences	■ Family & Consumer Sciences	■ Agriculture Sciences	■ Health Sciences	■ Business & Marketing	■ HS STEM	■ Middle School CTE	■ Middle School
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