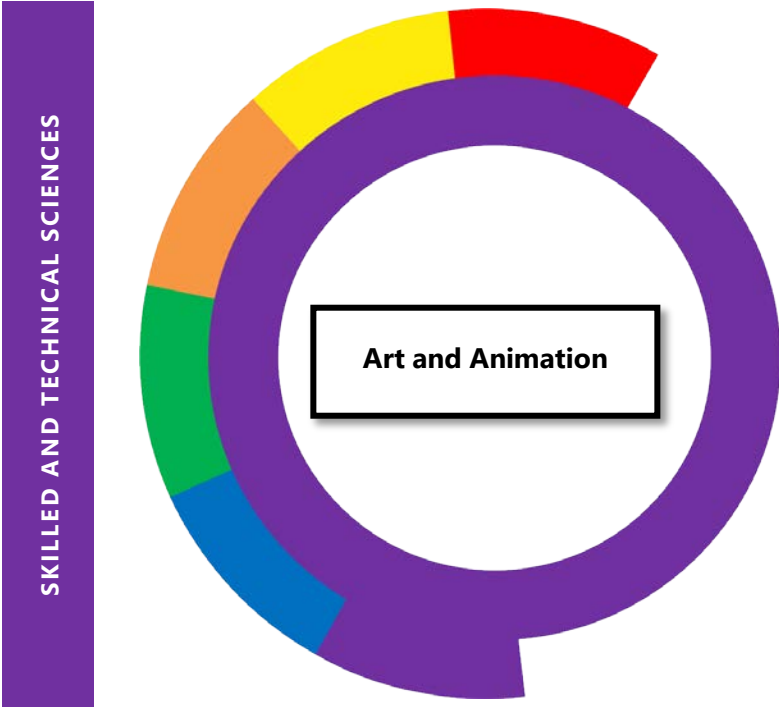




The **Arts, A/V Technology, and Communications Career Cluster** focuses on applying artistic talent to practical problems. Learn visual arts principles that prepare you with skills and techniques to work in designing, producing, exhibiting, performing, writing, or publishing multimedia content to any number of creative design and entertainment fields.



APPROVED PREPARATORY COURSE

Art and Animation

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

- Fine Art
- CTE
- Elective

INDUSTRY RECOGNIZED CREDENTIALS

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Craft Artist	\$38,200	20	1.1%	2
Fine Artist, Painter, Sculptor	\$58,600	114	1.3%	3
Multimedia Artist	\$90,130	717	4.8%	4
Graphic Designer	\$77,000	1,303	2.3%	4
Art Director	\$113,610	294	2.1%	4-5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Art and Animation: The Art and Animation program, with guidance from the program partner, DigiPen Institute of Technology, provides opportunity to develop skills necessary to pursue post-secondary education in the fields of fine arts, film and video games. Focuses on traditional art skills including art theory, basic drawing, composition, color, value, and perspective drawing. Students learn professional production animation principles. They will also learn how to apply these principals to traditional, 2D and 3D digital modeling, and video game applications. Collaborative and interdisciplinary storytelling projects like video games, short films, and production design.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Freelance Artist

Craft Artist

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
https://www.disneydreamersacademy.com/be-a-dreamer/apply	Multimedia Illustrator	Digital Design/Media Arts: Bates Technical Bellevue College Pierce College Clark College Everett Community College Wenatchee Valley College	Graphic Design/Digital Media: DigiPen Institute of Technology Bates Technical Bellevue College Pierce College Seattle Central College Spokane Falls Community College	Digital Arts, Animation, & Game Design: DigiPen Institute of Technology Seattle Film Institute
https://careers.microsoft.com/students/us/en/ushighschoolprogram	Combat Documentation/Production Specialist	Web Design: Lake Washington Institute of Technology Central Washington University Everett Community College Seattle Central College	Web Design: Highline College Seattle Central College Peninsula College	Art/Fine Arts: Eastern Washington University Washington State University University of Washington
	Visual Information Equipment Operator-Maintainer		Professional Game Art & Animation: Academy of Interactive Entertainment Shoreline Community College Lake Washington Institute of Technology	CTE Secondary Education Teacher: <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

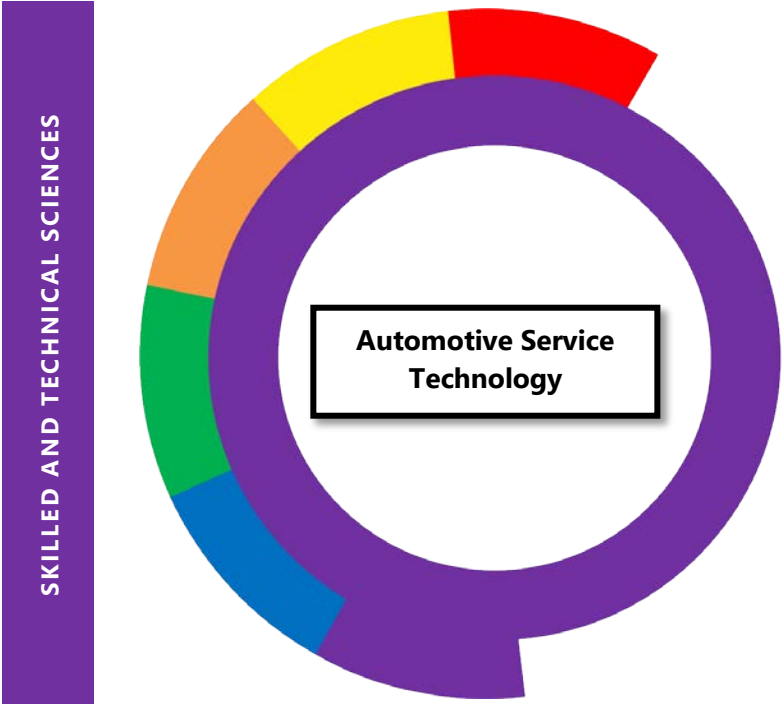
COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Art and Animation	100304	10202	V100100 V521206 V470110 V480101 V078000





The **Transportation, Distribution, & Logistics Career Cluster** focuses on planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical services such as infrastructure planning and management, logistics, and maintenance of equipment and facilities.



APPROVED PREPARATORY COURSE

Automotive Service Technology

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

- Lab Science
- CTE
- Elective

INDUSTRY RECOGNIZED CREDENTIALS

- S/P2 Safety & Pollution Certification
- ASE Entry-Level Automotive Certification
- Toyota Motor Co. Certification (T-TEC)

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Tire Repairer and Changer	\$37,630	337	-0.3%	2
RV Service Technician	\$43,960	70	0.5%	2
Motorcycle Mechanic	\$44,050	67	0.8%	3
Auto Service Mechanic	\$52,530	1,776	0.3%	3
Aircraft Mechanic & Service Technician	\$68,780	698	1.3%	3

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Automotive Service Technology: Preparing students to engage in the specialized service and maintenance of all types of vehicles. Learn how to properly diagnose malfunctions, adjust, repair, and replace parts. Taught by an Automotive Service Excellence (ASE) Master Technician in an Automotive Service Excellence Education Foundation (ASEEF) certified training facility, students are prepared to enter the workforce right out of high school while also preparing for advanced training and certification. This is a one or two year program. Rotating academic schedule teaching 4 of the 8 ASE certification areas each year.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Motorcycle Mechanic

RV Service Technician

Automotive Glass Installer

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
<p>STEP 1: Apprenticeship Registration and Tracking System</p>	Wheeled Vehicle Mechanic	<p><u>Engine Repair and Engine Performance Technician:</u> Clover Park Technical South Seattle College Green River College</p>	<p><u>Automotive Mechanic:</u> Bates Technical</p>	
<p>STEP 2: Search by "Occupation" using key words below</p> <ul style="list-style-type: none"> Automotive Service Technicians Automotive Mechanics 	Track Vehicle Mechanic	<p><u>Front End and Brakes Technician:</u> Clover Park Technical Lower Columbia College Grays Harbor College South Seattle College</p>	<p><u>Automotive Technology:</u> Clover Park Technical Grays Harbor College South Puget Sound Community College South Seattle College</p>	
<p>STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply</p>	Helicopter Mechanic	<p><u>Chassis and Electrical Certificate of Competency:</u> Bates Technical College Green River College</p>	<p><u>Hybrid and Alternative Fuel Vehicle Technology:</u> Clover Park Technical</p>	
				<p><u>CTE Secondary Education Teacher:</u></p> <ul style="list-style-type: none"> Education Degree in a CTE program area with 2,000 hours of related work experience. Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Automotive Service Technology	470604	20104	V470600



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Transportation, Distribution, & Logistics Career Cluster** focuses on planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical services such as infrastructure planning and management, logistics, and maintenance of equipment and facilities.

SKILLED AND TECHNICAL SCIENCES



APPROVED PREPARATORY COURSE

Collision Repair Technology

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

English
CTE
Elective

INDUSTRY RECOGNIZED CREDENTIALS

- S/P2 Safety & Pollution Certification
- I-Car Pro Level 1 Refinishing
- I-Car Pro Level 1 Collision Repair

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Auto Glass Installer	\$48,050	77	0.6%	2
Autobody Collision and Repair	\$57,510	310	0.5%	2
Sheet Metal Worker	\$71,840	609	1.2%	2
Structural Metal Fabricators	\$49,390	235	1.2%	3
Welder	\$56,160	1,195	0.8%	3

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
CTE students in many cases can pursue what is called a “work-based learning” opportunity or an internship involving a job outside of school. “Work-based learning” experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Collision Repair Technology: Students learn vehicle construction, minor body repair, sanding, painting components and spraying techniques, plastic repair, estimating damaged vehicles, MIG welding, and many other operations related to vehicle repair. Safety and proper use of equipment and materials are stressed throughout this program. The program includes the use of I-CAR, Axalta Paint Products, Chief, Hunter, and other professional training materials to meet the ASEEF and ASE requirements, standards, and certifications.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Automotive Detailer

Automotive Glass Installer

Automotive Parts and Supply Sales

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
<p>STEP 1: Apprenticeship Registration and Tracking System</p>	Allied Trade Specialist	<p>Automotive Body Repair: Clover Park Technical Bates Technical College Lake Washington Institute of Technology</p>	<p>Automotive Body Rebuilding & Refinishing: Bates Technical College Renton Technical College</p>	
<p>STEP 2: Search by "Occupation" using key words below</p> <ul style="list-style-type: none"> Automotive Body & Related Repairs Automotive Glass Installers & Repairs 	Aviation Structural Mechanic	<p>Automotive Refinishing: Clover Park Technical Bates Technical College Renton Technical College</p>	<p>Automotive Collision Technician: Clover Park Technical Lake Washington Institute of Technology</p>	
<p>STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply</p>	Aviation Machinist's Mate	<p>Automotive Glass Technician: Clover Park Technical</p>		
				<p>CTE Secondary Education Teacher:</p> <ul style="list-style-type: none"> Education Degree in a CTE program area with 2,000 hours of related work experience. Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

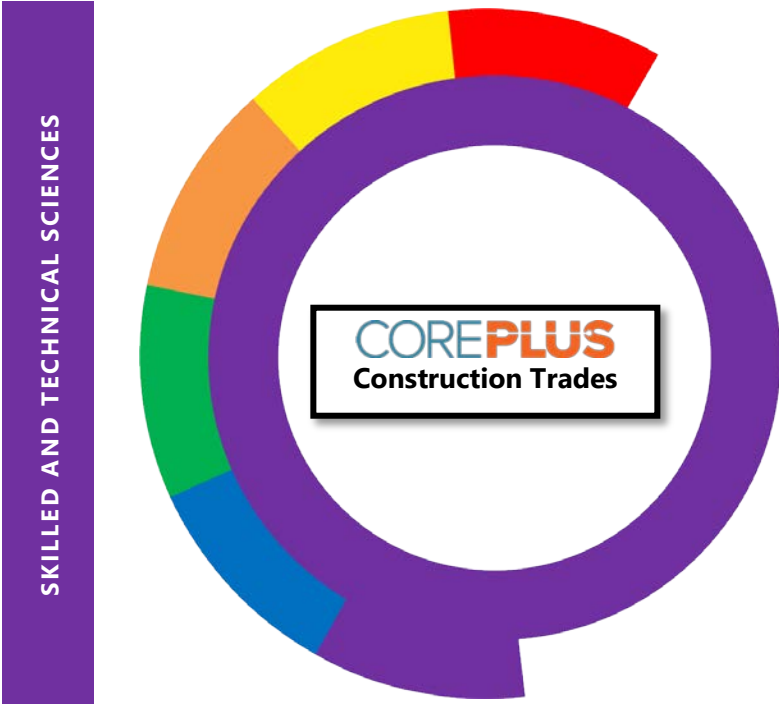
COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Collision Repair Technology	470603	20116	V470603





The **Architecture and Construction Career Cluster** is about using your skills in design, planning, and management to work in careers building and maintaining structures such as buildings, homes, bridges, or machinery. Work opportunities include developing new structures, restorations, additions, alterations, and repairs.



APPROVED PREPARATORY COURSE

Construction Trades

OPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

Math	CTE
English	Elective
Lab Science	

INDUSTRY RECOGNIZED CREDENTIALS

- Commercial Electrician
- Construction Site Safety Technician
- Masonry Level 1
- Core Plus Construction Certificate

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Construction Laborer	\$52,550	6,936	0.8%	2
Carpenter	\$64,740	4,854	0.5%	2
Drywall and Ceiling Tile Installer	\$72,340	501	0%	2
Construction/Building Inspector	\$79,310	538	1%	3
Construction Manager	\$107,470	1,751	1.1%	4

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

SkillsUSA Washington
 SkillsUSA is a national organization for students exploring trade, industrial, technical health, and service-related careers. Areas of competition include architectural drafting, construction, carpentry, computer programming, web design, and nurse assisting. This organization promotes superior work skills, life-long education, leadership, teamwork, citizenship, and community service among its student members. It also strives to build and reinforce self-confidence, work ethic, and communication skills.

Construction Trades: This Core Plus program will prepare students to take the next steps for a career in the construction industry. Instruction in safety, professionalism, and the construction process, as well as tools, equipment, print reading, materials selection, project planning, and management as well as estimating and bidding will all be covered through project-based learning supported by industry-backed instructional resources.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Helper

Laborer

Painter

COLLEGE CTE DUAL CREDITS MAY BE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
STEP 1: Apprenticeship Registration and Tracking System	Carpentry and Masonry Specialist	Construction Management: Edmonds Community College Pierce College Renton Technical	Construction Management: Renton Technical College	Project Management-Construction: Columbia Basin College University of Washington
STEP 2: Search by "Occupation" using key words below <ul style="list-style-type: none"> • Construction Carpenters • Construction Laborers 	Horizontal Construction Engineer	Building Inspection: Edmonds Community College	Architecture, Engineering and Construction Technology: Green River College Grays Harbor College South Puget Sound Community College	Journey-Level: Carpenter Construction Equipment Operator Laborer
STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply	Technical Engineer	Carpenter/Construction Technician: Bates Technical College Green River College Peninsula College Edmonds Community College	Civil Engineering: Bates Technical College	CTE Secondary Education Teacher: <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

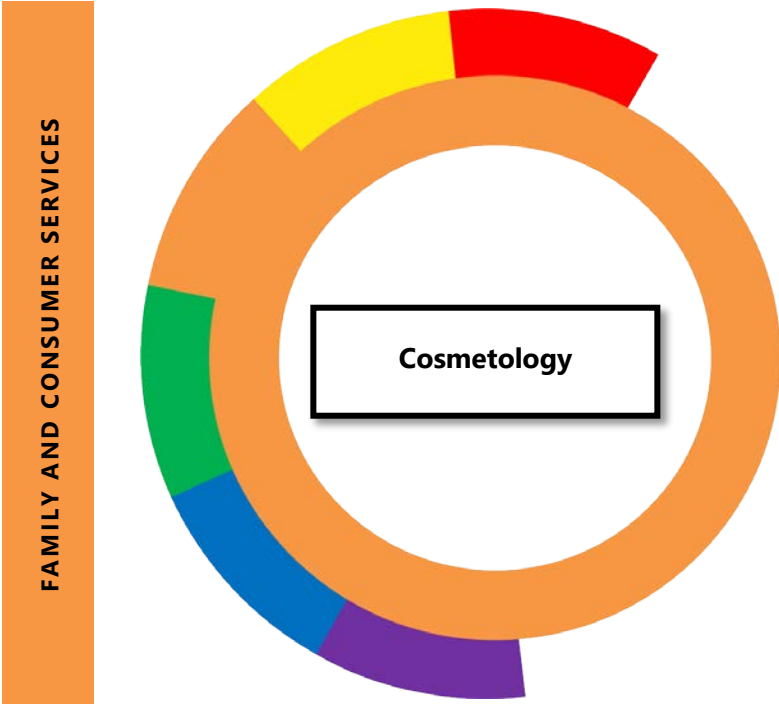
COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Construction Trades	460000	17002	V460200



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Human Services Career Cluster** prepares you for jobs that relate to families and human needs. Whether you want to be a social worker, a childcare provider, or a hairdresser, you will be addressing human needs.



APPROVED PREPARATORY COURSE

Cosmetology

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

- Lab Science
- CTE
- Elective

INDUSTRY RECOGNIZED CREDENTIALS

Cosmetology License (Operator, Barber, Manicurist, Esthetician)

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Receptionist/Front Desk	\$37,210	4,944	1.9%	1-3
Manicurist	\$34,650	1,412	2%	2-3
Hair Stylist	\$45,260	3,409	1.6%	2-3
Skincare Specialist	\$56,940	453	2.1%	2-3
Barber	\$61,790	730	2%	2-3

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Cosmetology: The Cosmetology program is more than a beauty school. They are businesses dedicated to teaching the techniques of cosmetology while building community relationships that allow students to reach their highest potential through hands-on experience. Students learn current styles, trends, and creative techniques in the art of beauty and industry preparedness. This is an off-site program with different school hours than main campus. Students must have their own transportation.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Customer Service

Barber

Hair Stylist

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
<p>STEP 1: Apprenticeship Registration and Tracking System</p>		<p><u>Cosmetology:</u> Centralia Beauty College Fosbre Academy</p>	<p><u>Cosmetology:</u> Clover Park Technical Bellingham Technical Spokane Community College Olympic College Everett Community College</p>	<p><u>Business Administration:</u> Saint Martin's University Washington State University Western Washington University University of Washington Eastern Washington University</p>
<p>STEP 2: Search by "Occupation" using key words below</p> <ul style="list-style-type: none"> Cosmetologist 		<p><u>Manicuring:</u> Centralia Beauty College</p>	<p><u>Hair Design:</u> Clover Park Technical</p>	
<p>STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply</p>		<p><u>Master Esthetics:</u> Fosbre Academy</p>	<p><u>Esthetic Sciences:</u> Clover Park Technical</p>	<p><u>CTE Secondary Education Teacher:</u></p> <ul style="list-style-type: none"> Education Degree in a CTE program area with 2,000 hours of related work experience. Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Cosmetology	120401	19101	V120403



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Law, Public Safety, Corrections, and Security Career Cluster** focuses on planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical support services.

SKILLED AND TECHNICAL SCIENCES



APPROVED PREPARATORY COURSE

Criminal Justice

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

Civics/Social Studies
CTE
Elective

INDUSTRY RECOGNIZED CREDENTIALS

First Aid/CPR/AED

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Bailiff	\$61,850	21	0.9%	2
Dispatcher	\$61,550	206	1%	2
Paralegal/Legal Assistant	\$63,050	1,178	1.7%	3
Police/Sheriff Patrol Officer	\$82,740	941	0.9%	3
Lawyer	\$131,530	1,347	1.4%	5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Criminal Justice: A course that prepares individuals 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. In an effort to provide students with an experience that closely mirrors the real-world, 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.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Animal Control Worker

Court Clerk

Dispatcher

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
STEP 1: Apprenticeship Registration and Tracking System	Military Police	Criminal Justice: Peninsula College Pierce College	Criminal Justice: Skagit Valley College Grays Harbor College Green River College Centralia College Pierce College	Law and Justice: Central Washington University University of Washington
STEP 2: Search by "Occupation" using key words below <ul style="list-style-type: none"> • Law 	Criminal Investigations Special Agent	Law Enforcement: Pierce College Green River College	Criminal Justice Forensic Technology: Green River College Columbia Basin College	Criminal Justice: Eastern Washington University Washington State University
STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply	Paralegal	Park Ranger Law Enforcement Academy: Skagit Valley College	Paralegal: South Puget Sound Community College Highline College Clark College Tacoma Community College Edmonds Community College	CTE Secondary Education Teacher: <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

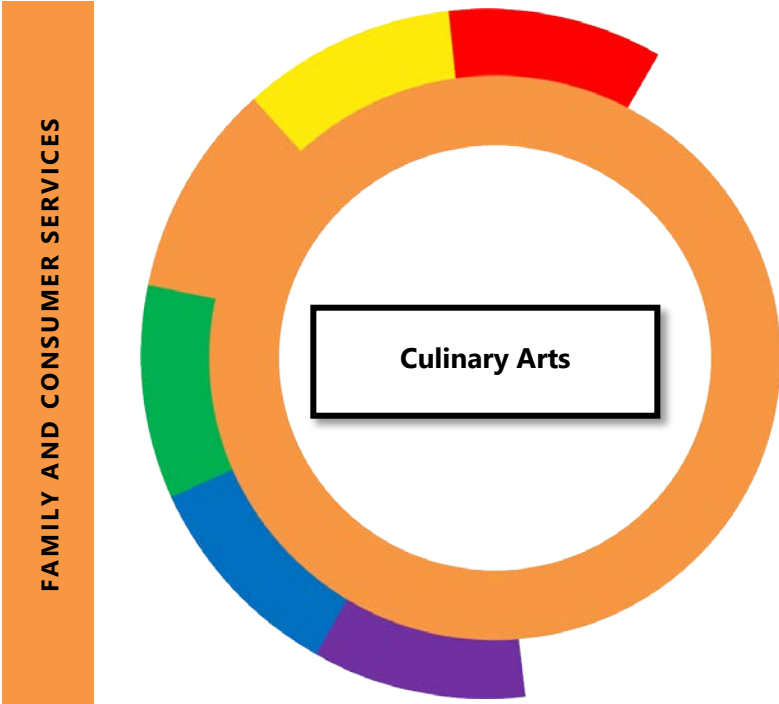
COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Criminal Justice	430107	15051	V430100



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Hospitality and Tourism Career Cluster** focuses on the management, marketing, and operations of restaurants and other food/beverage services, lodging, attractions, recreation events, and travel-related services. Students acquire knowledge and skills focusing on communication, time management, and customer service that meet industry standards. Students will explore the history of the hospitality and tourism industry and examine characteristics needed for success.



APPROVED PREPARATORY COURSE

Culinary Arts

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

- Lab Science
- English
- CTE
- Elective

INDUSTRY RECOGNIZED CREDENTIALS

- National Restaurant Association ProStart
- National Restaurant Association ServSafe
- Food Handler's Permit

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Waiter/Waitress	\$40,700	13,304	1.8%	1-3
Baker	\$36,360	872	0.9%	1-3
Cook	\$35,800	6,212	2.1%	2-3
Chefs and Head Cooks	\$63,070	332	1.8%	3-4
Food Service Manager	\$75,830	886	1.9%	3-5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Culinary Arts: The Culinary Arts program combines a comprehensive culinary curriculum with on the job training making our Culinary Arts program unique and exciting for young people. Students exit the program job-ready and prepared for further culinary education. While operating our New Market Deli, students are immersed in daily commercial food production, customer service training and academic instruction. Possible opportunities in catering and internships available.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Dishwasher

Food Preparation

Waiter/Waitress

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
<p>STEP 1: Apprenticeship Registration and Tracking System</p>	Culinary Specialist	<p>Culinary Arts: Renton Technical Olympic College Edmonds Community College Bellingham Technical Lake Washington Institute of Technology</p>	<p>Culinary Arts: Clover Park Technical Bellingham Technical Bates Technical Lake Washington Institute of Technology South Puget Sound Community College</p>	<p>Food Science: Washington State University</p>
<p>STEP 2: Search by "Occupation" using key words below</p> <ul style="list-style-type: none"> • Food Preparation 		<p>Restaurant Management: Clover Park Technical</p>	<p>Restaurant Management: Spokane Community College</p>	<p>Hospitality Business Management: South Seattle College Washington State University</p>
<p>STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply</p>		<p>Baking Arts/Pastry Arts: Bellingham Technical Clover Park Technical Edmonds Community College Renton Technical South Puget Sound Community College</p>	<p>Baking Arts/Pastry Arts: Edmonds Community College Lake Washington Institute of Technology Renton Technical Skagit Valley College</p>	<p>CTE Secondary Education Teacher:</p> <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

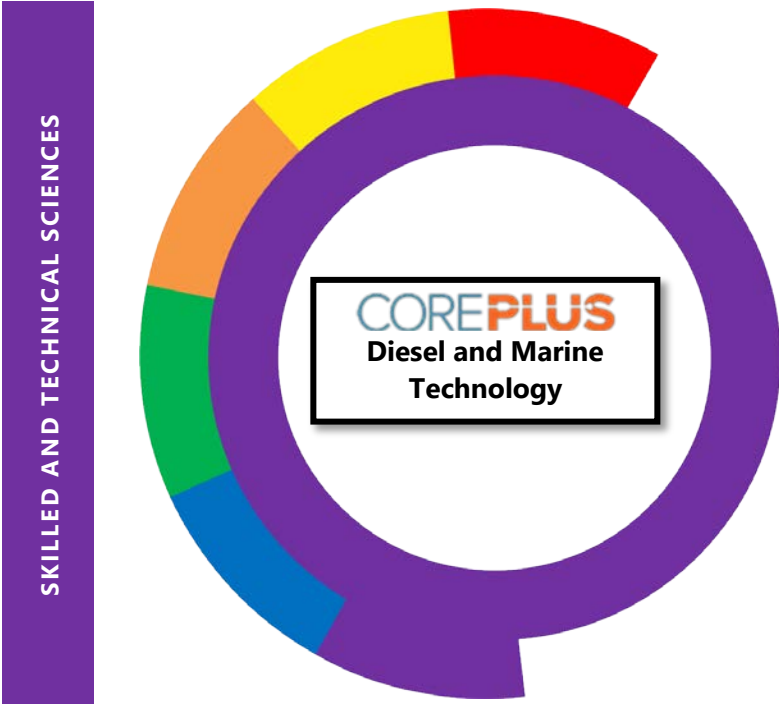
COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Culinary Arts	120503	16052	V200493



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Transportation, Distribution, & Logistics Career Cluster** focuses on planning, management, and movement of people, materials, and products by road, air, rail and water. It also includes related professional and technical services such as infrastructure planning and management, logistics, and maintenance of equipment and facilities.



APPROVED PREPARATORY COURSE

Diesel and Marine Technology

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

Math	CTE
English	Elective
Lab Science	

INDUSTRY RECOGNIZED CREDENTIALS

- Core Plus Maritime Certificate
-
-

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Bus and Truck Mechanic	\$59,500	850	10%	2-3
Mobile Heavy Equipment Mechanic	\$64,760	620	4%	2-3
Water Transportation Worker	\$84,060	210	1%	3
Ship Engineer	\$87,560	150	3%	3
Marine Engineer	\$95,250	40	7%	4

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a “work-based learning” opportunity or an internship involving a job outside of school. “Work-based learning” experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Diesel and Marine Technology: Students will be provided with hands-on training in multiple areas of the diesel and marine technology field. This program will cover a wide variety of topics and will use diesel engines as a focal point. Technical units will include the science behind corrosion, propulsion, and buoyancy, along with basic skills for topics including precision measurement, shop safety, tool use, and rigging. Other units will focus on electrical systems, pneumatics, hydraulics, and even material science.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Watercraft Service Attendant

Marine Diesel Engine Technician

Engine Assembler

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
STEP 1: Apprenticeship Registration and Tracking System	Electronics Technician	<u>Diesel Technology:</u> Bates Technical Grays Harbor College	<u>Diesel and Heavy Equipment Technology:</u> Bates Technical Centralia College Grays harbor College Spokane Community College	
STEP 2: Search by "Occupation" using key words below <ul style="list-style-type: none"> • Marine • Diesel 	Boatswain's Mate	<u>Hydraulics/Pneumatics Certificate:</u> Bates Technical College	<u>Motorcycle and Marine Technology:</u> Bates Technical College	
STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply	Engineman	<u>Marine Engineering Technology:</u> Seattle Central College	<u>Marine Maintenance Technology:</u> Skagit Valley College	
				<u>CTE Secondary Education Teacher:</u> <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Diesel and Marine Technology	470616	20111	V460200 V490300



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Law, Public Safety, Corrections, and Security Career Cluster** focuses on planning, managing, and providing legal, public safety, protective services, and homeland security, including professional and technical support services.

SKILLED AND TECHNICAL SCIENCES



APPROVED PREPARATORY COURSE

Firefighting and EMS Careers

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

- Lab Science
- Physical Education
- CTE
- Elective

INDUSTRY RECOGNIZED CREDENTIALS

First Aid/CPR/AED

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Fire Dispatcher	\$61,5550	206	1%	2
Firefighter	\$77,700	615	1.1%	2
Fire Inspector/Investigator	\$96,660	14	1.1%	3
First Line Supervisor Firefighter	\$106,920	218	1.2%	3
Emergency Management Director	\$109,510	18	1.8%	5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Firefighting and EMS Careers: 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 firefighting professionals, students are introduced to firefighter training, fire prevention, inspection and investigation, alarm systems, dispatching, CERT, and emergency medical services. In this program, students will drill at a fire station conveniently located near New Market Skills Center in full bunker gear to gain further experience of what 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.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Forest Fire Fighter

Firefighter

Dispatcher

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
<p>STEP 1: Apprenticeship Registration and Tracking System</p>	Firefighter	<p>EMT: Clark College Tacoma Community College Pierce College</p>	<p>Fire Science Technology: Bates Technical College Columbia Basin College Skagit Valley College</p>	<p>Fire Protection and Safety Engineering Technology: University of Alaska-Fairbanks Oklahoma State University Eastern Kentucky UNC-Charlotte</p>
<p>STEP 2: Search by "Occupation" using key words below</p> <ul style="list-style-type: none"> • Fire fighter 		<p>Fire Fighting Protection/Prevention/Investigation: Lower Columbia College Walla Walla Community College</p>	<p>Paramedic: Tacoma Community College Columbia Basin College Tacoma Community College Chemeketa Community College</p>	<p>Paramedic: Central Washington University</p>
<p>STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply</p>		<p>Fire Services Management: Chemeketa Community College</p>	<p>Emergency Management: Pierce College University of Alaska-Fairbanks</p>	<p>CTE Secondary Education Teacher:</p> <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

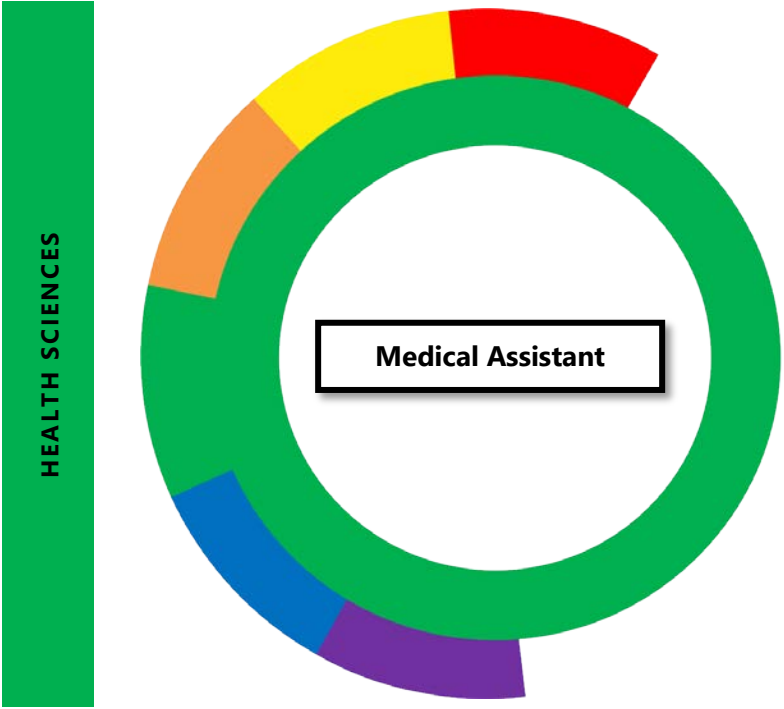
COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Firefighting and EMS Careers	430203	15001 08051 08055	V430203



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Health Science Career Cluster** focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.



APPROVED PREPARATORY COURSE

Medical Assistant

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

TBD-Potential Lab Science
 CTE
 Elective

INDUSTRY RECOGNIZED CREDENTIALS

- First Aid/CPR/AED
- Bloodborne Pathogens, HIV/AIDS

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Medical Assistant	\$45,500	2,270	24%	2-3
Medical Secretary	\$45,610	1,460	20%	2
Medical Laboratory Technician	\$61,310	600	11%	3
Medical and Health Services Manager	\$119,380	1,060	23%	5
Physician Assistant	\$128,890	370	32%	5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Medical Assistant: Students are cross-trained to perform administrative and clinical duties preparing them for real-world skills essential for success. Administrative and clinical skills will include medical terminology, taking medical histories, preparing patients for exams, assisting physician, telephone systems and etiquette, medical coding, patient records, and scheduling.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Medical Receptionist

Medical Assistant

Medical Secretary

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
<p>STEP 1: Apprenticeship Registration and Tracking System</p>	Medical Logistics Specialist	<p>Medical Assistant Certified Highline College Renton Technical Bellevue College Clover Park Technical Bates Technical College</p>	<p>Medical Assistant: Grays Harbor College Spokane Community College</p>	<p>Physician Assistant: University of Washington Heritage University</p>
<p>STEP 2: Search by "Occupation" using key words below</p> <ul style="list-style-type: none"> Medical 	Medical Laboratory Technician	<p>Medical Administrative Assistant: Pierce College Seattle Central College Clover Park Technical</p>	<p>Medical Administrative Assistant: South Puget Sound Community College Pierce College Green River College</p>	<p>Community Health: University of Washington Eastern Washington University Western Washington University</p>
<p>STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply</p>	Physician Assistant	<p>Medical Assistant Phlebotomy: Green River College Renton Technical College</p>	<p>Anesthesia Technologies: Renton Technical College</p>	<p>CTE Secondary Education Teacher:</p> <ul style="list-style-type: none"> Education Degree in a CTE program area with 2,000 hours of related work experience. Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

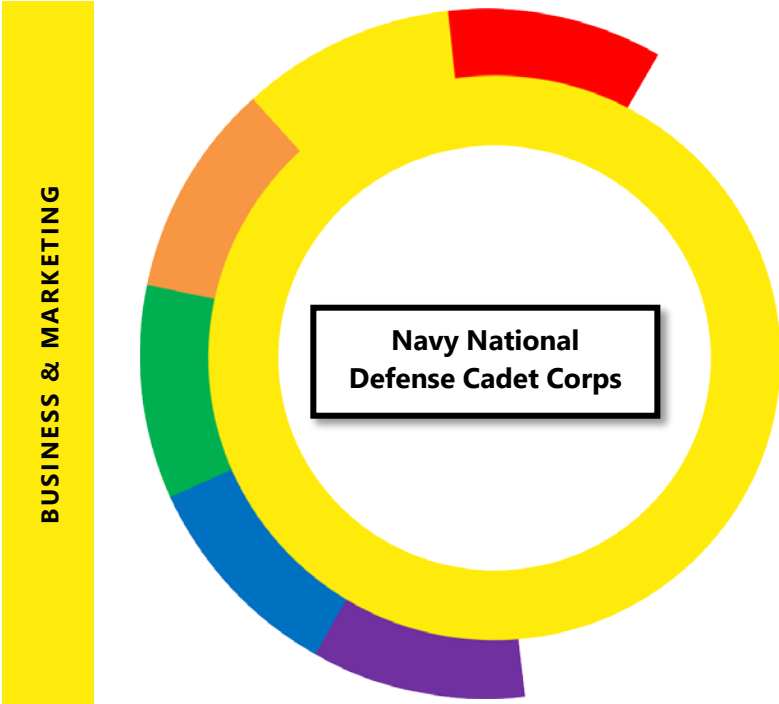
COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Medical Assistant	510801	14151	V510800



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Government and Public Administration Career Cluster** focuses on building practical skills essential to efficient, productive operations for any company. If you want to run your own business or be the person that makes a business successful, be sure to look at the opportunities in the Business, Management, and Administration.



APPROVED PREPARATORY COURSE

Navy National Defense Cadet Corps

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

TBD
CTE
Elective

INDUSTRY RECOGNIZED CREDENTIALS

TBD

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Enlisted Rank 1	\$26,883+housing	13,055	0.1%	2
Enlisted Rank 4	\$38,304+housing	4,417	0.3%	2
Enlisted Rank 7	\$58,152+housing	9,176	1.4%	3
Officer Rank 1	\$45,084+housing	5,110	1%	4-5
Officer Rank 5	\$103,176+housing	5,014	1.7%	5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Navy National Defense Cadet Corps: Preparing students for any career! Students will meet classroom learning objectives and physical fitness goals giving them opportunities to serve their community and become leaders in their class. NNDCC is identical to a JROTC program, but is fully funded by the school not the Department of Defense. The US Navy supplies the curriculum material for instructors and cadets, and the unit equipment necessary to execute the curriculum.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Any enlisted career

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
<u>STEP 1:</u> Apprenticeship Registration and Tracking System	More than 200 careers			Bachelor's Degree is needed to become an Officer
<u>STEP 2:</u> Search by "Occupation" using key words below				
<u>STEP 3:</u> Click "Search" and select a program name for the program standards, qualifications, and how to apply				CTE Secondary Education Teacher: <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Navy National Defense Cadet Corps	280301	09101	V280300

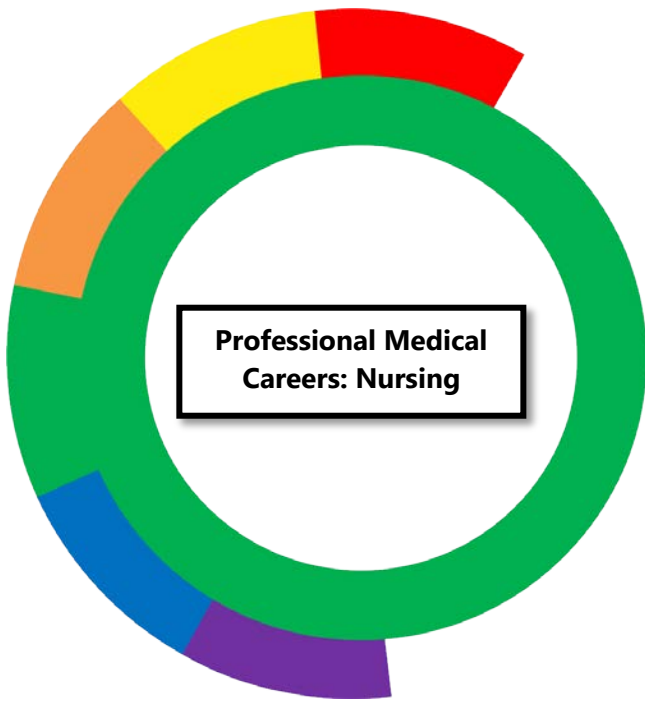


Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Health Science Career Cluster** focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

HEALTH SCIENCES



APPROVED PREPARATORY COURSE

Professional Medical Careers: Nursing

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

Lab Science
CTE
Elective

INDUSTRY RECOGNIZED CREDENTIALS

- Certified Nursing Assistant
- First Aid/CPR/AED
- HIPPA
- Bloodborne Pathogens, HIV/AIDS

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Nursing Assistant	\$30,850	3,740	8%	3
Medical Assistant	\$45,700	2,720	24%	3
Licensed Practical Nurse	\$59,780	786	0.9%	3
Registered Nurse	\$91,310	5,690	2%	4
Nurse Practitioner	\$126,480	452	2.6%	5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
CTE students in many cases can pursue what is called a "work-based learning" opportunity or an internship involving a job outside of school. "Work-based learning" experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Professional Medical Careers-Nursing: This program introduces students to the rewarding medical field and teaches the knowledge and skills applicable to many medical occupations. Students explore medical careers in their areas of interest, as well as in targeted demand areas for future job openings. Students prepare for initial certifications as a Nursing Assistant (NAC), including a 50-hour clinical internship, as well as continued training in nursing. Students spend time in the classroom and in community facilities learning many procedures for patient care including: taking blood pressure, temperatures, pulse and respirations, as well as learning how to bathe, groom, feed, lift, exercise and position patients. **Private transportation is required for clinical internship.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Home Care Aide

Certified Nurse Assistant

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
STEP 1: Apprenticeship Registration and Tracking System	Nurse: Critical Care, Emergency Room, Surgical, Perioperative, Behavioral Health, Public Health	<u>Nursing Assistant:</u> Bates Technical Bellevue College Pierce College Grays Harbor College South Puget Sound Community College	<u>Practical Nursing:</u> Green River College Clark College Bellingham Technical College Centralia College Bellevue College	<u>Nursing:</u> Eastern Washington University Washington State University Northwest University University of Washington Pacific Lutheran University
STEP 2: Search by "Occupation" using key words below <ul style="list-style-type: none"> • Medical 	Practical Nursing Specialist	<u>Pharmacy Technician:</u> Charter College	<u>Surgical Technology:</u> Seattle Central College Clover Park Technical Renton Technical College Spokane Community College	
STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply	Medical Laboratory Specialist	<u>Behavior and Social Services:</u> Lake Washington Institute of Technology	<u>Anesthesia Technologies:</u> Renton Technical College	<u>CTE Secondary Education Teacher:</u> <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

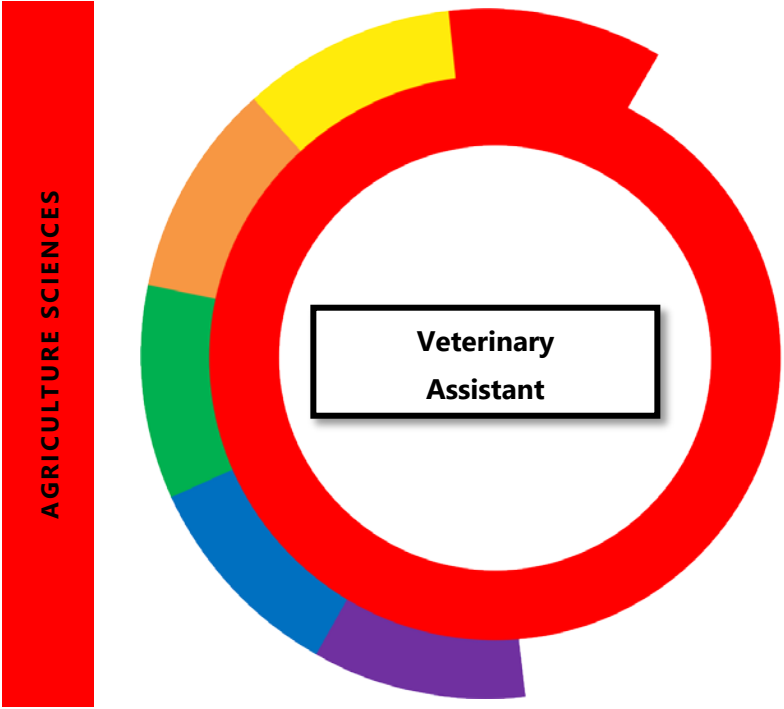
COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Professional Medical Careers: Nursing	511614	14051	V510800 V511614



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Agriculture, Food, & Natural Resources Career Cluster** focuses on the essential elements of life, food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.



APPROVED PREPARATORY COURSE

Veterinary Assistant

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

- Lab Science
- CTE
- Elective

INDUSTRY RECOGNIZED CREDENTIALS

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Animal Trainer	\$43,790	102	4.3%	1-3
Veterinary Assistant	\$33,750	852	2.0%	2-3
Veterinary Technician	\$42,190	306	2.5%	3
Zoologist & Wildlife Biologist	\$81,960	286	1.8%	4-5
Veterinarian	\$102,080	242	2.6%	4-5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a “work-based learning” opportunity or an internship involving a job outside of school. “Work-based learning” experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Veterinary Assistant: This program prepares students to enter the animal health care field. The program includes both theory and practical application of skills and concepts, such as animal restraint, medical terminology, anatomy, physiology, surgery and medical nursing and disease process. Students participate in and are responsible for a weekly dog wash that raises money for the program as well as giving students hands on experience. Students can gain insight into the different positions available in area clinics during a 20-hour job shadow opportunity, and upon successfully completing the program students are comprehensively prepared to enter any college Veterinary Technician Program.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Veterinary Assistant

Groomer

Animal Trainer

COLLEGE CTE DUAL CREDITS ARE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
STEP 1: Apprenticeship Registration and Tracking System	Animal Care Specialist	<u>Veterinary Assistant:</u> Bellingham Technical Renton Technical Skagit Valley College	<u>Veterinary Technology:</u> Bellingham Technical Pierce College Yakima Valley College	<u>Veterinary Medicine:</u> Washington State University
STEP 2: Search by "Occupation" using key words below <ul style="list-style-type: none"> • Animal • Veterinary 	Field Veterinary Service	<u>Veterinary Fundamentals:</u> Skagit Valley College	<u>Animal Science:</u> Skagit Valley College Walla Walla Community College	<u>Primate Behavior and Ecology Program:</u> Central Washington University
STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply	Veterinarian	<u>Applied Animal Behavior:</u> UW Professional & Continuing Education		<u>Zoology:</u> Washington State University
				<u>Veterinary Science:</u> University of Washington
				<u>CTE Secondary Education Teacher:</u> <ul style="list-style-type: none"> • Education Degree in a CTE program area with 2,000 hours of related work experience. • Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Veterinary Assistant	510808	18105	V010000 V510808



Washington Office of Superintendent of
PUBLIC INSTRUCTION



The **Arts, A/V Technology, and Communications Career Cluster** focuses on applying artistic talent to practical problems. Learn visual arts principles that prepare you with skills and techniques to work in designing, producing, exhibiting, performing, writing, or publishing multimedia content to any number of creative design and entertainment fields.

SKILLED AND TECHNICAL SCIENCES



APPROVED PREPARATORY COURSE

Video Game Programming AP

OSPI OR DISTRICT APPROVED EQUIVALENCY CREDITS

- Math
- Fine Art
- CTE
- Elective

INDUSTRY RECOGNIZED CREDENTIALS

- APCS A
- Unity Certified User
- Unreal Certification

ALIGNED TO INDUSTRY

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH	JOB ZONE OR RANGE
Computer User Support	\$52,690	2,280	16%	3
Video Game Programmer	\$77,200	2,610	33%	4
Web & Digital Interface Designer	\$77,200	1,400	2%	4
Software Developer	\$110,140	41,090	15%	4
Computer Programmer	\$145,630	194	-10%	4-5

WORK-BASED LEARNING AND EXTENDED LEARNING OPPORTUNITIES

Work Experience Opportunities
 CTE students in many cases can pursue what is called a “work-based learning” opportunity or an internship involving a job outside of school. “Work-based learning” experiences are always paid and students can earn high school credit. Internships are typically paid, but students do not earn academic credit. Individual schools and CTE teachers work with local employers to arrange these opportunities for their students, so your program instructor is the best source of information for what your own school offers.

Video Game Programming AP: An advanced program in “creating makers of technology”. Students create video games using trigonometry and higher math, computer programming in C, C++, C#, and Java as well as 2D and 3D computer animation. Make video games using the Unity Engine and develop virtual reality interactive applications. With guidance from the program partner, DigiPen Institute of Technology, the course prepares students for skills necessary for video game industry’s biggest need--qualified video game programmers and artists. Many of DigiPen’s college graduates have secured positions with top companies such as Nintendo, Interplay, DreamWorks Interactive, KnowWonder, and Valve.

POST-SECONDARY PATHWAYS

DIRECT ENTRY TO WORKFORCE

Help Desk Operator

Computer User Support

COLLEGE CTE DUAL CREDITS MAY BE AVAILABLE FOR THIS COURSE. PLEASE CONTACT YOUR INSTRUCTOR FOR MORE INFORMATION.

APPRENTICESHIP (Follow these steps to find specific apprenticeships available in this pathway.)	MILITARY SERVICE	TECHNICAL CERTIFICATE/ LICENSE	ASSOCIATE'S DEGREE	BACHELOR'S OR ADVANCED DEGREE
STEP 1: Apprenticeship Registration and Tracking System	Information Technology Specialist	Computer Game Development: Edmonds Community College	Computer Science: Renton Technical College	Computer Science & Game Design: DigiPen Institute of Technology
STEP 2: Search by "Occupation" using key words below <ul style="list-style-type: none"> Computer 	Cyber Network Defender	C# Programming: Lake Washington Institute of Technology South Seattle College University of Washington Edmonds Community College Bellevue College	Software Development: Bates Technical College South Puget Sound Community College Centralia College Walla Walla Community College Lake Washington Institute of Technology	Computer Science: DigiPen Institute of Technology Western Washington University Central Washington University Eastern Washington University Washington State University University of Washington
STEP 3: Click "Search" and select a program name for the program standards, qualifications, and how to apply	Multimedia Specialist	Web Development: Bellevue College Cascadia College Highline College Clover Park Technical	Programming: Seattle Central College South Puget Sound Community College Bellingham Technical College	CTE Secondary Education Teacher: <ul style="list-style-type: none"> Education Degree in a CTE program area with 2,000 hours of related work experience. Industry Route Certificate requires 6,000 hours of work experience in the field and completion of a state approved CTE Preparation Program along with passage of Basic Skills Math and English.

COURSE INFORMATION

COURSE NAME	CIP CODE	STATE COURSE CODE	TEACHER CERTIFICATION CODE
Video Game Programming AP	110803	10157	V100100 V521206 V470110 V480101 V078000



Washington Office of Superintendent of
PUBLIC INSTRUCTION