



**TODD BEAMER HIGH SCHOOL**

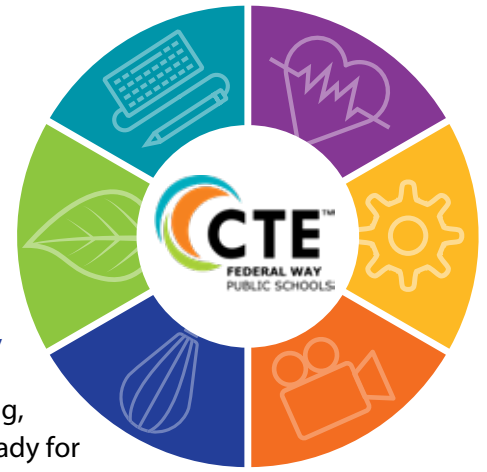
**CTE PROGRAMS OF STUDY**



**CTE™**  
**CLASSROOM**  
**TO CAREER**  
Your future is right here.



# Career Planning through CTE course offerings



**CTE is focused on providing students with skills, knowledge and other training to prepare them for a career.**

## Benefits of CTE include:

- Exploration of real career opportunities
- Development of career skills
- Work-based learning activities
- Industry Recognized Credentials and Certifications (IRCs)
- CTE college credit
- Leadership and extended learning through CTE clubs and student organizations
- High School equivalency credit
- Bridge to future education

Interested in what other FWPS high schools offer? Scan here to explore the CTE Programs of Study by high school



**In Federal Way Public Schools,** our scholars will successfully navigate the critical transitions in their schooling, and will graduate from high school ready for college, career, and post-secondary experiences.

This resource organizes the CTE courses offered at Todd Beamer High School, and can help you when it's time to register for courses. CTE courses are organized into 6 CTE Programs of Study that align to high-wage, in-demand and high-skill careers:

- AGRICULTURAL EDUCATION\***
- BUSINESS AND MARKETING**
- FAMILY AND CONSUMER SCIENCES**
- HEALTH SCIENCES**
- SKILLED AND TECHNICAL SCIENCES**
- SCIENCE, TECHNOLOGY, ENGINEERING AND MATH (STEM)**

*Answer the questions below to plan your career path using CTE Programs of Study and CTE courses offered. Answers can be found in the Program of Study charts included in this booklet.*

- A career I'm interested in learning more about is *(see column 4 in the Program of Study charts)*  
\_\_\_\_\_
- This career falls under the \_\_\_\_\_  
Program of Study *(see title above your selected Program of Study chart)*
- Possible CTE courses that align to this career are *(see column 2 in the Programs of Study charts)*  
\_\_\_\_\_
- Is the above course eligible for CTE college credit (dual credit)?  
*(see column 3 for College Credit information)* Yes  No
- Industry Recognized Credentials or Certifications (IRCs) are desirable to employers and can help me enter the workforce. Is there an IRC offered in this course?  
*(see column 3 for IRC information)* Yes  No
- What post-secondary programs are available under this Program of Study?  
*(see column 5 for Post-Secondary Programs & Degrees)*  
\_\_\_\_\_

**Talk to your high school counselor and/or high school college and career specialist as you continue to explore and plan for college, career, and post-secondary programs that best fit your individual needs, skills and interest.**

\* Program of Study only offered at Decatur High School

# Business and Marketing





CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/ INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
ARTS, A/V TECHNOLOGY AND COMMUNICATION	Publishing (Yearbook)	<b>EQUIVALENCY CREDIT:</b> Fine Arts	Accounting Administrative Assistant Advertising Auditor Bill & Account Collector Brand Management Business Manager Certified Public Accountant Computer Equipment Repair Computer Network & Data Computer Programmer Computer Science Engineer Computer Support Specialist Computer Systems Analyst Computer Technician Controller Court Reporter Database Administrator Economist Entrepreneur Event Planner Funeral Director Game Designer Information Technology Specialist/Manager Insurance Agent International Business Inventory Manager Loan Officer Market Research Analyst Marketing Manager Media Buyer/Planner Office Manager Personnel Recruiter Public Relations Real Estate Appraiser Research Specialist Retail Sales Supervisor Sales Representative Small Business Owner Stock Broker Systems Administrator Tax Examiner Tax Preparer Underwriter Web Developer Wholesale & Retail Buyer	<b>TECHNICAL PROGRAMS IN BUSINESS, ADMINISTRATION, &amp; MARKETING</b> <b>Accounting:</b> Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle, Tacoma <b>Banking &amp; Support Services:</b> Renton <b>Business Adm. Management:</b> Bates, Bellevue, Highline, Pierce, Renton, Tacoma <b>Computer Science:</b> Bates, Pierce <b>Human Resources Management:</b> Bellevue, Pierce, Tacoma <b>Marketing Management:</b> Bates, Bellevue, Green River, Highline, Pierce <b>Retail Management:</b> Bellevue, Clover Park, Highline <b>Office Management:</b> Bellevue, Clover Park, Pierce, Renton, Seattle Central, South Seattle
	INCubator Entrepreneurship	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • BUS 164 – Entrepreneurship and Small Business Management (5 credits) <b>Highline College</b> • BUSN 155 – Entrepreneurship (3 credits) <b>Renton Technical College</b> • BUS 125 – Concept to Commercialization (5 credits)		
BUSINESS, MANAGEMENT AND ADMINISTRATION	Personal Finance Math	<b>EQUIVALENCY CREDIT:</b> Math <b>COLLEGE CREDIT:</b> <b>Green River College</b> • BATC 110 – Business Math Applications (5 credits) <b>Highline College</b> • BUSN 133 – Basic Money Management (3 credits) <b>Renton Technical College</b> • AMATH 175 – Applied Mathematics for Business and Industry (5 credits)		
	Introduction to Computer Science and Game Design	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • BTAC 184 – Internet and Basic Web Design (5 credits)		
INFORMATION TECHNOLOGY	AP Computer Science Principles	<b>EQUIVALENCY CREDIT:</b> Math or Science <b>COLLEGE CREDIT:</b> AP		
	AP Computer Science A	<b>EQUIVALENCY CREDIT:</b> Math or Science <b>COLLEGE CREDIT:</b> AP		
	Web Design	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • BTAC 184 – Internet and Basic Web Design (5 credits) <b>Highline College</b> • VICOM 100 – Intro to Web Design (5 credits)		
	Introduction to Fashion Marketing	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • BUS 121 – Marketing Fundamentals (5 credits) <b>Renton Technical College</b> • BUS 900 – Prof-Tech Program Elective (5 credits)		
MARKETING	Introduction to Marketing	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • BUS 121 – Marketing Fundamentals (5 credits) <b>Highline College</b> • BUSN 138 – Principles of Marketing (5 credits) <b>Renton Technical College</b> • BUS 900 – Business Elective (5 credits) <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> Food Worker Card		
	Marketing Operations, Scholar Store	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • BUS 121 – Marketing Fundamentals (5 credits) <b>Highline College</b> • BUSN 175 – Retailing (5 credits) <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> Food Worker Card		
				<b>UNIVERSITY PROGRAMS</b> <b>Business Administration:</b> EWU, CWU, WSU, UW, WWU <b>Information Technology: Design Tech:</b> EWU <b>IT &amp; Information Management:</b> CWU <b>Digital Technology:</b> WSU <b>Information Systems and Operations Management:</b> UW  <i>Additional programs may be available, please check individual colleges for more information.</i>
<b>CAREER CHOICES</b>	<b>College and Career Prep</b> (Applies to all programs of study)			

# Family and Consumer Sciences

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
EDUCATION AND TRAINING	ASL 1-4	<b>EQUIVALENCY CREDIT:</b> World Language <b>COLLEGE CREDIT:</b> <b>Spokane Falls College</b> • ASL& 121 – American Sign Language 1 (5 credits)	Baker Banquet Chef Caterer Chef	<b>TECHNICAL PROGRAMS IN EDUCATION</b> <b>Early Childhood Ed &amp; Teaching:</b> Bates, Bellevue, Clover Park, Green River, Highline, Pierce, Renton, Seattle Central <b>Prof-Tech Teaching:</b> Bates, Lake Washington <b>Teacher Aide:</b> Bates, Clover Park, Green River, Pierce, Tacoma <b>Sign Language Interpretation:</b> Seattle Central
	Teacher Academy	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • EDUC& 136 – School-Age Care (3 credits) • EDUC& 205 – Introduction to Education with Field Experience (5 credits) <b>Highline College</b> • EDEC& 120 – Early Childhood Practicum (2 credits) • EDUC& 136 – School Age Care (3 credits) • EDUC& 202 – Intro to Education (5 credits) <b>Renton Technical College</b> • ECED& 105 – Intro to Early Childhood (5 credits) <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> WA STARS (Child Care Basics) Certification General Paraeducator	Child Care Worker Clergy College Professor Counselor Educational Administrator Employment Interviewer Executive Chef Facilities Management Food Service Manager Food Production Supervisor Government Executive & Legislative Librarian Library Technician Resort Manager Restaurant Manager Sign Language Interpreter Social Worker Teacher	<b>TECHNICAL PROGRAMS IN PROJECT MANAGEMENT</b> Highline College <b>TECHNICAL PROGRAMS IN CULINARY ARTS &amp; HOSPITALITY</b> <b>Baking &amp; Pastry Arts:</b> Lake Washington, Renton, Seattle Central <b>Culinary Arts/Chef Training:</b> Bates, Clover Park, Lake Washington, Renton, Seattle Central, South Seattle
HEALTH SCIENCE	Nutrition and Wellness	<b>INDUSTRY RECOGNIZED CREDENTIAL:</b> Food Worker Card		
HOSPITALITY AND TOURISM	Culinary Arts Foundations	<b>COLLEGE CREDIT:</b> <b>Renton Technical College</b> • CUL 103 – Knife Skills (3 credits) <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> Food Worker Card		<b>UNIVERSITY PROGRAMS</b> <b>CW:</b> Psychology, Sociology, Family & Consumer Sciences Education, Nutrition, Exercise, Health Science <b>EWU:</b> Education, Psychology <b>UW:</b> Education, Psychology, Social Sciences, Sociology <b>WSU:</b> Education, Hospitality Business Administration, Psychology <b>WWU:</b> Education, Psychology <i>Additional programs may be available, please check individual colleges for more information.</i>
HUMAN SERVICES	Child Development	<b>COLLEGE CREDIT:</b> <b>Green River College</b> • EDUC& 115 – Child Development (5 credits) <b>Highline College</b> • EDUC& 115 – Child Development (5 credits) <b>Renton Technical College</b> • EDUC 115 – Child Development (5 credits) <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> Food Worker Card WA STARS (Child Care Basics)		
	Family Psychology and Health	<b>EQUIVALENCY CREDIT:</b> Health <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> First Aid/CP		
CAREER CHOICES	College and Career Prep (Applies to all programs of study)			



# Health Sciences

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/ COLLEGE CREDIT/ INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
<b>HEALTH SCIENCE</b>	Principles of Biomedical Science Year 1 	<b>EQUIVALENCY CREDIT:</b> Biology	Anesthesiologist Athletic Trainer Biochemist	<b>TECHNICAL PROGRAMS IN MEDICAL/HEALTH</b> <i>Biological Lab Tech:</i> Bates <i>Central Service Tech:</i> Clover Park
	Human Body Systems Year 2 	<b>EQUIVALENCY CREDIT:</b> Lab Science	Bio-Tech Lab Technician Certified Nursing Assistant Chiropractor	<i>Dental Assistant:</i> Bates, Clover Park, Pierce, Lake Washington, Renton, Seattle Central <i>Dental Hygienist:</i> Bates, Clover Park, Pierce, Lake Washington, Renton, Seattle Central <i>Dental Lab Tech:</i> Bates
	Physics of Medical Interventions Year 3 	<b>EQUIVALENCY CREDIT:</b> Lab Science <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> Biotechnician Asst. Credentialing Exam (BACE) (Biotility)	Clinical Medical Assistant Dental Assistant Dental Hygienist Dentist Dietician	<i>Emergency Med Tech:</i> Tacoma <i>Forensic Tech:</i> Green River <i>Health Unit Coord./Ward Clerk:</i> Bellevue, Clover Park <i>Hemodialysis:</i> Clover Park
	Biomedical Innovations Year 4 	<b>EQUIVALENCY CREDIT:</b> Science <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> Biotechnician Asst. Credentialing Exam (BACE) (Biotility)	EMT/Paramedic Health Care Administration Home Health Aide Massage Therapist Medical Transcriptionist Nurse Practitioner Optometrist Pharmacist Pharmacy Technician Physical Therapist Physician Psychologist Registered Nurse Speech Pathologist Sports Trainer Surgeon Surgical Technician Ultrasound Technician	<i>Medical Insurance Coding:</i> Bates, Highline, Tacoma <i>Medical Records/Health Info. Mgmt.:</i> Highline, Tacoma <i>Medical Transcription/Scribe:</i> Bates, Tacoma <i>Nursing Assistant:</i> Clover Park, Green River, Tacoma <i>Nursing-Associate Degree:</i> Bellevue, Clover Park, Highline, Renton, Tacoma, South Seattle <i>Nursing Practical:</i> Bates, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle <i>Optometric Tech:</i> Renton <i>Radiologic Tech:</i> Bellevue, Tacoma <i>Respiratory Therapy:</i> Highline, Seattle Central, Tacoma <i>Sign Language Interpreter:</i> Seattle Central <i>Substance Abuse Counseling:</i> Bellevue, Clover Park, Seattle Central, Highline <i>Surgical Tech:</i> Clover Park, Seattle Central <i>Ultrasound Tech:</i> Bellevue, Tacoma <i>Veterinary Assistant:</i> Pierce
	Introduction to Health Careers	<b>COLLEGE CREDIT:</b> Highline College • HEAL 102 – Introduction to Healthcare Professions (3 credits)		

**CAREER CHOICES** College and Career Prep (Applies to all programs of study)

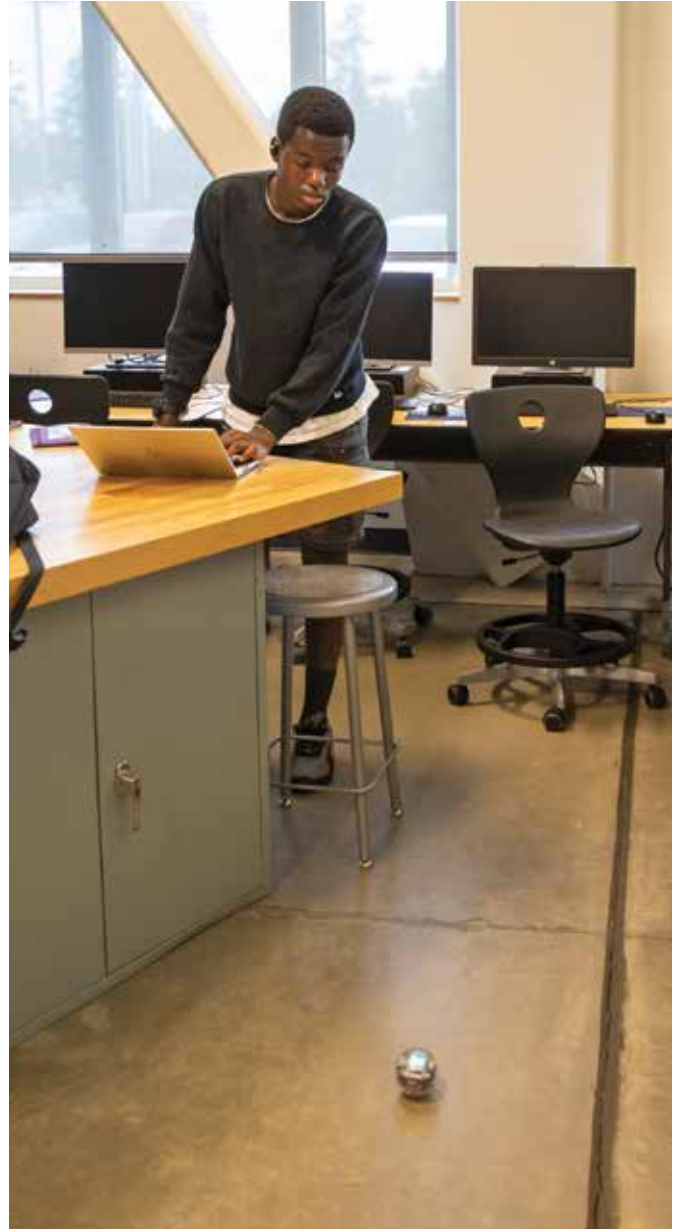
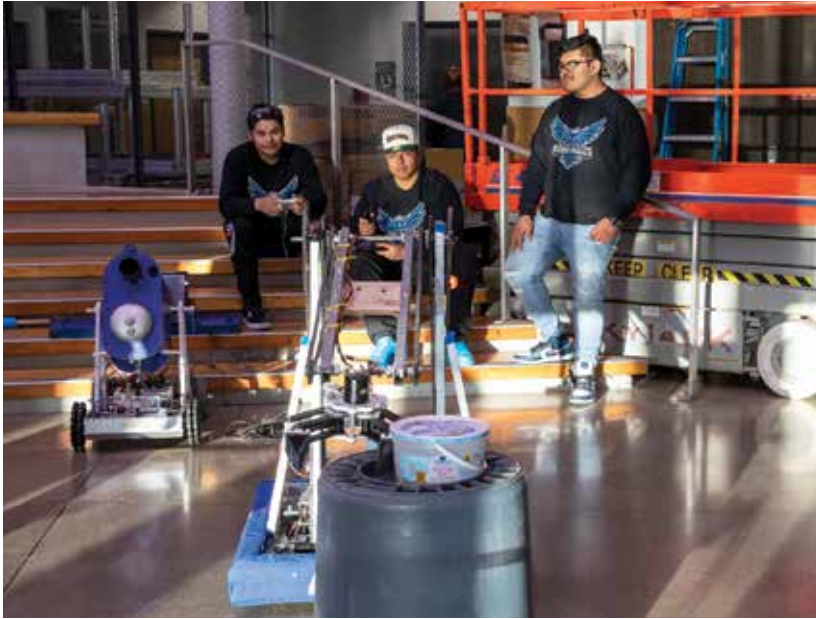


# Skilled and Technical Sciences

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/ INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
<b>ARTS, A/V TECHNOLOGY AND COMMUNICATION</b>	Commercial Photography	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT:</b> Highline College • VICOM 147 – Introduction to Digital Photography (5 credits)	Air Traffic Controller Airplane Pilot Animator Architect Art Director Art Therapist Artist Artistic Director	<b>TECHNICAL PROGRAMS IN ARTS, A/V TECHNOLOGY &amp; COMMUNICATION</b> <b>Animation:</b> Lake Washington <b>Computer Graphics:</b> Bellevue, Lake Washington, Pierce <b>Commercial Photography/ Commercial Advertising/Art:</b> Seattle Central
	AP 2D Design Photography	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT:</b> AP	Audio Systems Technician	<b>Media, Communications &amp; Design:</b> Bates, Bellevue, Clover Park, Highline, Lake Washington, Seattle Central, Pierce, Whitman
	Pottery 1–2	<b>EQUIVALENCY CREDIT:</b> Fine Arts	Audio-Visual Designer & Engineer Audio-Visual Specialist Automobile Mechanic Broadcast Technician Cabinet Maker Camera Operator Carpenter Cartoonist	<b>Photographic &amp; Film/Video:</b> Bellevue, Central, Eastern, DigiPen, Lake Washington, Whitman, Seattle U <b>Radio/Television Broadcasting Tech:</b> Bates, South Seattle
	Design & Applied Art 1–2	<b>EQUIVALENCY CREDIT:</b> Fine Arts Highline College • VICOM 132 – Drawing for Illustration 1 (5 credits— must complete both Design and Applied Art 1 and 2)	Cinematographer Civil Engineer Computer Animation Construction Foreman Construction & Building Inspector Construction Manager	<b>TECHNICAL PROGRAMS IN SKILLED &amp; TECHNICAL SCIENCES</b> <b>Architectural Engineering/Drafting:</b> Clover Park, Green River, Lake Washington, Renton, South Central <b>Biomedical Tech:</b> Bates, Clover Park
	AP Studio Art 2D	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT:</b> AP	Correctional Officer Customs Agent Design Engineer Detective Drafter	<b>Civil Engineering Tech/Civil Drafting:</b> Bates, Clover Park, Renton <b>Composites:</b> Bellevue, Clover Park <b>Computer Tech:</b> Bates, Bellevue, Clover Park, Green River, Pierce
	Technical Theater	<b>EQUIVALENCY CREDIT:</b> Fine Arts	Drywall Installer Electrical Engineering Electrician Electronic Engineer Fashion Designer	<b>Drafting/Design CAD/CADD:</b> Clover Park, Green River, Highline, Lake Washington, Renton, North Seattle, South Seattle <b>Electronic Engineering Tech:</b> Bates
	Graphic Design	<b>EQUIVALENCY CREDIT:</b> Fine Arts	FBI Agent Film Making Fire Inspector General Contractor Graphic Designer Illustrator	<b>Engineering Tech:</b> Clover Park <b>Fire Security Tech:</b> Clover Park <b>Industrial, Construction, &amp; Manufacturing Programs:</b> Bates, Clover Park, Green River, Lake Washington, Pierce, Renton, Seattle Central, South Seattle
	Visual Communications 1–2	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT:</b> Highline College • VICOM 132 – Draw for Illustration (5 credits— must complete both Visual Communications 1 and 2)	Industrial Engineer Interior Designer Machinist Mechanical Engineer Military Officer Military Service Painting Plumber Potter Prop Crafts Artisan Sculptor Set Designer Sheet Metal Worker Sign Painter Tattoo Artist Technical Computer Support Video Systems Technician Videographer & Special Effects Welding Technician	<b>Information Technology Programs:</b> Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, Seattle Central, South Seattle <b>Mechanical Tech/Drafting:</b> Bates, Clover Park, Green River, Lake Washington, South Seattle <b>Mechanics Programs:</b> Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, Seattle Central, South Seattle <b>Occupational Safety:</b> Pierce <b>UNITED STATES MILITARY SERVICE</b> Air Force, Army, Marines, Navy, Coast Guard <i>Additional programs may be available, please check individual colleges for more information.</i>
<b>GOVERNMENT AND PUBLIC ADMINISTRATION</b>	AFJROTC Drill & Ceremonies	<b>EQUIVALENCY CREDIT:</b> PE <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)		
	AFJROTC Exploring Space: The High Frontier	<b>EQUIVALENCY CREDIT:</b> Social Studies <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)		
	AFJROTC Global Awareness	<b>EQUIVALENCY CREDIT:</b> World History or Social Studies <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)		
	AFJROTC Milestones in Aviation History	<b>EQUIVALENCY CREDIT:</b> Social Studies <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)		
	AFJROTC Management of Cadet Corps	<b>EQUIVALENCY CREDIT:</b> Social Studies <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)		
	AFJROTC Science of Flight	<b>EQUIVALENCY CREDIT:</b> Social Studies <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)		
	AFJROTC Survival	<b>EQUIVALENCY CREDIT:</b> Social Studies <b>INDUSTRY RECOGNIZED CREDENTIAL:</b> AFJROTC Certificate of Training (2 years) AFJROTC Certificate of Completion (4 years)		
	<b>CAREER CHOICES</b>	<b>College and Career Prep</b> (Applies to all programs of study)		

# STEM

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/COLLEGE CREDIT/INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
<b>SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS</b>	Introduction to Engineering Design	<b>EQUIVALENCY CREDIT:</b> 3rd Math <b>COLLEGE CREDIT:</b> Renton Technical College • DFT 113 – Introduction to Computer-Aided Design (5 credits)	Aeronautical Engineer Aircraft Mechanic Airplane Assembler Architectural & Engineering Manager CAD Designer Civil Engineer Design Engineer Drafter Industrial/Mechanical Engineer Robotics Engineer Sustainability Specialist	<b>TECHNICAL SCHOOLS WITH STEM PROGRAMS</b> <i>Engineering Technology:</i> Bates, Walla Walla <i>Computer Engineering:</i> DigiPen <hr/> <b>UNIVERSITIES WITH STEM PROGRAMS</b> <i>Civil Engineering:</i> St. Martin's, Gonzaga, Seattle U <i>Computer Engineering:</i> EWU, Seattle Pacific, WWU, Gonzaga, Seattle U <i>Electrical Engineering:</i> EWU, Seattle Pacific, WWU, Gonzaga, Seattle U <i>Manufacturing Engineering:</i> WWU <i>Mechanical Engineering:</i> EWU, Seattle Pacific, Gonzaga, Seattle U <i>Additional programs may be available, please check individual colleges for more information.</i>
	Principles of Engineering and Robotics	<b>EQUIVALENCY CREDIT:</b> Lab Science		
	Aerospace Engineering	<b>EQUIVALENCY CREDIT:</b> 3rd Math or Lab Science		
	Engineering Essentials	<b>EQUIVALENCY CREDIT:</b> Lab Science		
	Engineering Design & Development	<b>EQUIVALENCY CREDIT:</b> Science		
	Robotics HS			
<b>CAREER CHOICES</b>	College and Career Prep (Applies to all programs of study)			





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