



# THOMAS JEFFERSON HIGH SCHOOL

## CTE PROGRAMS OF STUDY



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# 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)		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> Clover Park, Renton  <b>Business Administration Management:</b> Bates, Bellevue, Highline, Pierce, Renton, Tacoma  <b>Computer Tech:</b> Bates, Pierce  <b>Human Resource Management:</b> Bellevue, Pierce, Tacoma  <b>Marketing Management:</b> Bates, Bellevue, Clover Park, 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)		
BUSINESS, MANAGEMENT AND ADMINISTRATION	IB Business Management SL, HL	<b>EQUIVALENCY CREDIT:</b> Math <b>COLLEGE CREDIT:</b> IB, HC, RTC		
	AP Computer Science Principles	<b>EQUIVALENCY CREDIT:</b> Math or Science <b>COLLEGE CREDIT:</b> AP		
INFORMATION TECHNOLOGY	Computer Applications	<b>COLLEGE CREDIT</b> <b>Green River College</b> • BTAC 100 – Fundamentals of Computers (5 credits) • BTAC 111 – Introduction to Computer Literacy (5 credits) • BTAC 112 – Beginning Word (5 credits—earn one of the above) <b>Renton Technical College</b> • MAP 114 – Computer Fundamentals Office 365 (5 credits)  <b>INDUSTRY RECOGNIZED CREDENTIAL</b> Microsoft Office Specialist (MOS) Fundamentals—various certs		
	IB Computer Science SL, HL	<b>COLLEGE CREDIT:</b> IB		
	Intro to Computer Science and Game Design	<b>COLLEGE CREDIT</b> <b>Green River College</b> • BTAC 184 – Internet and Basic Web Design (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 130 – Small Business Marketing (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>
	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>Renton Technical College</b> • BUS 900 – Business Elective (5 credits)  <b>INDUSTRY RECOGNIZED CREDENTIAL</b> Food Worker Card		
	Sports and Entertainment Marketing	<b>COLLEGE CREDIT</b> <b>Green River College</b> • BUS 121 – Marketing Fundamentals (5 credits)		
<b>CAREER CHOICES</b>	<b>IB Career Program Skills</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	Teacher Academy <i>(not offered 2023–24SY)</i>	<b>COLLEGE CREDIT</b> <b>Highline College</b> <ul style="list-style-type: none"> <li>EDUC&amp; 120 – Early Childhood Practicum (2 credits)</li> <li>EDUC&amp; 136 – School Age Care (3 credits)</li> <li>EDUC&amp; 202 – Intro to Education (5 credits)</li> </ul> <b>Renton Technical College</b> <ul style="list-style-type: none"> <li>ECED&amp; 105 – Intro to Early Childhood (5 credits)</li> </ul> <hr/> <b>INDUSTRY RECOGNIZED CREDENTIAL</b> WA STARS (Child Care Basics) Certification General Paraeducator	Baker Banquet Chef Caterer Chef 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 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
	HEALTH SCIENCE	Nutrition and Wellness <b>INDUSTRY RECOGNIZED CREDENTIAL</b> Food Worker Card		<b>TECHNICAL PROGRAMS IN PROJECT MANAGEMENT</b> Highline College
	HOSPITALITY AND TOURISM	Culinary Arts Foundations	<b>COLLEGE CREDIT</b> <b>Renton Technical College</b> <ul style="list-style-type: none"> <li>CUL 103 – Knife Skills (3 credits)</li> </ul> <hr/> <b>INDUSTRY RECOGNIZED CREDENTIAL</b> Food Worker Card	
ProStart 1		<b>COLLEGE CREDIT</b> <b>Renton Technical College</b> <ul style="list-style-type: none"> <li>CUL 105 – Culinary Foundations (3 credits)</li> </ul> <hr/> <b>INDUSTRY RECOGNIZED CREDENTIAL</b> Food Worker Card		<b>UNIVERSITY PROGRAMS</b> <b>CWU:</b> Psychology, Sociology, Family & Consumer Sciences, Education, Nutrition, Exercise, Health Science <b>UW:</b> Education, Psychology, Social Sciences, Sociology <b>WWU:</b> Education, Psychology <b>EWU:</b> Education, Psychology <b>WSU:</b> Hospitality Business Administration, Education <i>Additional programs may be available, please check individual colleges for more information.</i>
ProStart 2		<b>COLLEGE CREDIT</b> <b>Renton Technical College</b> <ul style="list-style-type: none"> <li>CUL 110 – Culinary Foundations (3 credits)</li> </ul> <hr/> <b>INDUSTRY RECOGNIZED CREDENTIAL</b> Food Worker Card National Restaurant Assoc (NRA) ServSafe Certification		
HUMAN SERVICES	Child Development <i>(not offered 2023–24SY)</i>	<b>COLLEGE CREDIT</b> <b>Highline College</b> <ul style="list-style-type: none"> <li>EDUC&amp; 115 – Child Development (5 credits)</li> </ul> <b>Renton Technical College</b> <ul style="list-style-type: none"> <li>EDUC 115 – Child Development (5 credits)</li> </ul> <hr/> <b>INDUSTRY RECOGNIZED CREDENTIAL</b> Food Worker Card WA STARS (Child Care Basics)		
	Family Psychology and Health	<b>EQUIVALENCY CREDIT:</b> Health <hr/> <b>INDUSTRY RECOGNIZED CREDENTIAL</b> First Aid/CPR		
<b>CAREER CHOICES</b>	<b>IB Career Program Skills</b> <i>(Applies to all programs of study)</i>			





# Health Sciences

CAREER CLUSTER	HIGH SCHOOL COURSE TITLE	EQUIVALENCY CREDIT/ COLLEGE CREDIT/INDUSTRY RECOGNIZED CREDENTIALS	CAREERS	POST-SECONDARY PROGRAMS & DEGREES
HEALTH SCIENCE	IB Sports Exercise Health Science	<b>EQUIVALENCY CREDIT</b> Lab Science	Anesthesiologist Athletic Trainer Biochemist Bio-Tech Lab Technician Certified Nursing Assistant Chiropractor Clinical Medical Assistant Dental Assistant Dental Hygienist Dentist Dietician 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	<b>TECHNICAL PROGRAMS IN MEDICAL/HEALTH</b> <b>Biological Lab Tech:</b> Bates <b>Dental Assistant:</b> Bates, Clover Park, Renton <b>Dental Hygienist:</b> Pierce, Renton <b>Dental Lab Tech:</b> Bates <b>Ultrasound Tech:</b> Bellevue, Tacoma <b>Emergency Med Tech:</b> Tacoma <b>Medical Records:</b> Highline, Tacoma <b>Ward Clerk:</b> Bellevue, Clover Park <b>Hemodialysis:</b> Clover Park <b>Central Service Tech:</b> Clover Park <b>Medical Insurance Coding:</b> Bates, Highline, Tacoma <b>Radiologic Tech:</b> Bellevue, Tacoma <b>Medical Transcription:</b> Bates, Highline, Tacoma <b>Medical Asst.:</b> Bellevue, Clover Park, Highline <b>Nursing Asst.:</b> Clover Park, Green River, Tacoma <b>Nursing-Associate Degree:</b> Bellevue, Clover Park, Highline, Renton, Tacoma, South Seattle <b>Nursing Practical:</b> Bates, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, South Seattle <b>Optician:</b> Seattle Central <b>Optometric Tech:</b> Renton <b>Sign Language Interpreter:</b> Seattle Central <b>Respiratory Therapy:</b> Highline, Seattle Central, Tacoma <b>Substance Abuse Counseling:</b> Bellevue, Clover Park, Seattle Central, Highline <b>Surgical Tech:</b> Clover Park, Seattle Central <b>Veterinarian Asst.:</b> Pierce <b>Forensic Tech:</b> Green River
		<b>COLLEGE CREDIT</b> IB		<b>UNIVERSITY PROGRAMS</b> <b>Nursing:</b> UW, EWU, WSU <b>Medicine:</b> UW <b>Veterinary Science:</b> WSU <b>Dietician:</b> CWU <b>Athletic Training:</b> EWU, Whitworth, WSU <b>Pharmaceutical Sciences:</b> WSU, UW <b>Physical Therapy:</b> EWU <b>Zoology:</b> UW, WWU, WSU <b>Biotechnology:</b> UW  <i>Additional programs may be available, please check individual colleges for more information.</i>
<b>CAREER CHOICES</b>	<b>IB Career Program Skills</b> (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>ARCHITECTURE &amp; CONSTRUCTION</b>	Carpentry Essentials	<b>INDUSTRY RECOGNIZED CREDENTIAL</b> OSHA 10/30 Hr. General Industry	Air Traffic Controller Airplane Pilot	<b>TECHNICAL PROGRAMS IN ARTS, A/V TECHNOLOGY &amp; COMMUNICATION</b> <i>Media, Communications &amp; Design:</i> Bates, Bellevue, Clover Park, Highline, Lake Washington, Seattle Central, Pierce <i>Computer Graphics:</i> Bellevue, Lake Washington, Pierce <i>Photographic &amp; Film/Video:</i> Bellevue <i>Animation:</i> Lake Washington <i>Commercial Photography/ Commercial Advertising/Art:</i> Seattle Central <i>Radio/Television Broadcasting Tech:</i> Bates
	Carpentry Specialist 1–2	<b>INDUSTRY RECOGNIZED CREDENTIAL</b> OSHA 10/30 Hr. General Industry	Animator Architect Art Director Art Therapist Artist	
	Construction Foundations	<b>COLLEGE CREDIT</b> <b>Green River College</b> • CARP 113 – Foundations and Floor Framing (2 credits) <b>Renton Technical College</b> • CONST 160 – Materials, Methods and Equipment <b>INDUSTRY RECOGNIZED CREDENTIAL</b> OSHA 10/30 Hr. General Industry	Artistic Director Audio Systems Technician Audio-Visual Designer & Engineer Audio-Visual Specialist Automobile Mechanic Broadcast Technician Cabinet Maker Camera Operator Carpenter Cartoonist Cinematographer Civil Engineer Computer Animation Construction Foreman Construction & Building Inspector Construction Manager Correctional Officer Customs Agent Design Engineer Detective Drafter Drywall Installer Electrical Engineering Electrician Electronic Engineer Fashion Designer FBI Agent Film Making Fire Inspector General Contractor Graphic Designer Illustrator 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>ARTS, A/V TECHNOLOGY AND COMMUNICATION</b>	Commercial Photography	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT</b> <b>Highline College</b> • VICOM 147 – Introduction to Digital Photography (5 credits)		<b>TECHNICAL PROGRAMS IN SKILLED &amp; TECHNICAL SCIENCES</b> <i>Architectural Engineering/ Drafting:</i> Clover Park, Green River, Lake Washington <i>Biomedical Tech:</i> Bates <i>Drafting/Design CAD/CADD:</i> Green River, Highline, Lake Washington, Renton, South Seattle <i>Civil Engineering Tech/Civil Drafting:</i> Bates, Renton <i>Composites:</i> Clover Park <i>Computer Tech:</i> Bates, Pierce <i>Electronic Engineering Tech:</i> Bates <i>Fire Security Tech:</i> Clover Park <i>Engineering Tech:</i> Clover Park <i>Mechanical Tech/Drafting:</i> Bates, Clover Park, Green River, Lake Washington, South Seattle <i>Occupational Safety:</i> Pierce <i>Industrial, Construction &amp; Manufacturing Programs:</i> Bates, Clover Park, Green River, Lake Washington, Pierce, Renton, Seattle Central, South Seattle <i>Mechanics Programs:</i> Bates, Clover Park, Green River, Lake Washington, Renton, South Seattle <i>Information Technology Programs:</i> Bates, Bellevue, Clover Park, Green River, Highline, Lake Washington, Pierce, Renton, Seattle Central, South Seattle
	AP 2D Design Photography	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT:</b> AP		
	Pottery 1–2	<b>EQUIVALENCY CREDIT:</b> Fine Arts		
	AP Studio Art 2D	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT:</b> AP		
	AP Studio Art 3D	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT:</b> AP		
	Design & Applied Art 1–2	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT</b> <b>Highline College</b> • VICOM 132 – Drawing for Illustration (5 credits—must complete both Design and Applied Art 1 and 2)		
	Graphic Design 1–2	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT</b> <b>Highline College</b> • VICOM 110 – Graphic Design I (5 credits—must complete both Graphic Design 1 and 2)		
	Video Production 1	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT</b> <b>Highline College</b> • MMD 110 – Multimedia Production (5 credits—must complete both 1 & 2)		
	Video Production 2	<b>EQUIVALENCY CREDIT:</b> Fine Arts <b>COLLEGE CREDIT</b> <b>Highline College</b> • MMD 110 – Multimedia Production (5 credits—must complete both 1 & 2)		
	<b>LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY</b>	Forensic Science	<b>EQUIVALENCY CREDIT:</b> Science <b>COLLEGE CREDIT</b> <b>Green River</b> • CJ& 240 – Introduction to Forensic Science (5 credits)	
<b>CAREER CHOICES</b>	<b>IB Career Program Skills</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	Aeronautical Engineer Aircraft Mechanic Airplane Assembler	<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	Architectural & Engineering Manager CAD Designer Civil Engineer Design Engineer Drafter Industrial/Mechanical Engineer Robotics Engineer Sustainability Specialist	
	Aerospace Engineering	<b>EQUIVALENCY CREDIT</b> 3rd Math or Lab Science		
<b>CAREER CHOICES</b>	<b>IB Career Program Skills</b> ( <i>Applies to all programs of study</i> )			



