



Jewelry Manufacturing Program of Study



Education Planning Guide for Middle School and Beyond

This program of study, along with other career planning materials, serves as a guide to assist students in the Auburn School District in developing a relevant middle-to-high school plan that will prepare them for further education and/or employment in the Education and Training career cluster. The program of study outlined below can be individualized to meet each learner's education and career goals. It allows students to earn high school credits while completing coursework in middle school, earn college credits while completing coursework within high school, and apply those credits toward attainment of a college certificate and/or degree. It is important to share and review this plan with a parent/guardian and school counselor.

Auburn SD Component of Program of Study	Grade	English	Social Studies	Science	Math	Health/ Fitness	Arts	Career and Technical	Related Electives	Auburn School District Graduation Requirements	
	Middle School	Successfully complete required coursework for 6 th , 7 th and 8 th grade, and these electives →							Art Survey, STEM Mechatronics		
	9	Language Arts	World Studies (.5) or AP Human Geography	Science (1.0) Next Gen or Biology	Algebra I			2.0 Credit from Fine Arts or Course Equivalencies	Drawing 1, 2		Orientation or Career Choices
	10	Language Arts	Global Issues (.5) or AP Euro	Science (1.0) Next Gen or Chemistry	Geometry	10 th Grade Health (.5)	Jewelry/Small Metal Sculpture 1, 2*		Minimum of two years of the same world language are required for students planning to enroll at a four-year university		
	11	American Literature 1, 2	U. S. History or AP U. S. History	Chemistry	Advanced Algebra and Trig	1.5 Credits From Fitness Courses	Jewelry/Small Metal Sculpture 3, 4*				
12	Senior English Electives	Civics (.5) and Elective (.5) or AP American Government (1.0)	Physics or AP Biology or AP Chemistry	AP Statistics or Pre-Calculus	Jewelry/Small Metal Sculpture CS						

Credit Requirements (24.0 credits total):
 4.0 credits - English
 3.0 credits - Social Studies
 3.0 credits - Math
 3.0 credits - Science
 1.5 credits - Fitness
 0.5 credits - Health
 2.0 credits - Arts **
 2.0 credits - World Language **
 1.0 credits - Career and Technical
 4.0 credits - Electives

Additional Requirements:

- High School and Beyond Plan
- Culminating Project/Portfolio
- Certificate of Academic Achievement or Approved Alternative

***Students who earn a "B" or better in these courses may be eligible for college credit. See page 2 for more information. **Credits may be applied in a chosen career pathway**

Post - High Program of Study	Apprenticeship Opportunities	Earn a Certificate and Enter the Workforce	Earn an Associate's Degree and transition to a 4-year university or enter the workforce	Earn a 4-year college degree, and then enter the workforce
	To learn more about apprenticeships in this program, go to: Jewelry Apprenticeship Apprenticeship Registration & Tracking Composite Manufacturing Specialist Manufacturing Precision Metal Fabricator	Renton Technical College Air Washington Gemological Institute of America Gemological Institute of America Green River Community College Aerospace and Advanced Manufacturing Technology Machining and Manufacturing Technology	Green River Community College Associate in Mechanical, Manufacturing and Plastics Engineering Technology North Seattle Community College Highline Community College Engineering	Central Washington University Jewelry/Metalsmithing

The Post-High School program options listed above for this Program of Study represent just some examples of options available within the Puget Sound area, including programs where agreements for dual credit exist between the college and school district. For other options available related to this program of study, visit your career center or the websites of local colleges.



Jewelry Manufacturing Program of Study

Education Planning Guide for Middle School and Beyond

Jewelry Manufacturing students learn skills used in the jewelry industry such as sawing, filing, polishing, coloring of metal, forming and soldering. They will also learn how to form a wax model to be cast into metal. As advanced students, they practice metals fabrication, stone setting and casting. Students make rings, necklaces and a variety of jewelry from metal and other materials.

Occupational Information

The following represent occupations within this field and their average annual earnings and openings based on data from the Washington State Employment Security Department. For more information about these and other occupations within this field, go to <https://esd.wa.gov/labormarketinfo>

<u>Occupation</u>	<u>Washington State Projected Openings 2016-2026</u>	<u>Earnings</u>
Gemologist		\$44,795 yr
Bench Jeweler		\$44,795 yr
Sales – Retail Sales		\$29,457 yr
Dental Lab Technician		\$43,872 yr
Dental Hygienist		\$91,779 yr
Dentist		\$206,252 yr
Engineer (biomedical??)		\$85,956 yr
Foundry		\$36,563 yr
Aerospace		\$68,132 yr
Jewelry Appraiser		\$44,795 yr

Student Leadership Development

Students are expected and encouraged to participate in area and state metal arts shows.

For additional leadership opportunities at your high school, please talk with a Career and Technical Education Teacher.

Scholarship Opportunities

For local, state, and national scholarship opportunities, please visit your counseling and/or career center, Career Cruising www.CareerCruising.com, WOIS www.wois.org, thecareemap.org or Fast Web www.FastWeb.com

For more information about this Program of Study, contact an instructor, a school counselor or a career specialist.