**PERSONAL**

* [**Dual College Credit**](https://www.rentonschools.us/learning-and-teaching/career-and-technical-education/career-college-readiness/make-a-plan/dual-credit) **opportunities**
* [**Industry Certification**](https://www.rentonschools.us/learning-and-teaching/career-and-technical-education/cte-in-the-renton-school-district/career-connected-learning/industry-certification) **opportunities**

**PROGRAM OF STUDY**

Check off credits as you fill in your plan.

**CORE CREDITS**

**Language Arts**

**(4 credits = 8 Trimesters)**

Language Arts 9 ☑ ☑

Language Arts 10 ☑ ☑

Language Arts 11 ☑ ☑

Language Arts 12 ☑ ☑

**Math**

**(3 credits = 6 Trimesters)**

Algebra 1 ☑ ☑

Geometry ☑ ☑

3rd Qualifying Course ☑ ☑

**Social Studies**

**(3 credits = 6 Trimesters)**

World History ☑ ☑

US History ☑ ☑

Civics/World Issues ☑ ☑

**Science**

**(3 credits = 6 Trimesters)**

NGSS Biology ☑ ☑

NGSS Chemistry ☑ ☑

3rd Qualifying Course ☑ ☑

**Career & Technical Ed.**

**(1 credit = 2 Tri’s)** ☑ ☑

**Fine Arts**

**(1 credit = 2 Tri’s)** ☑ ☑

**Health**

**(.5 credit = 1 Trimester)**  ☑

**Physical Education**

**(1.5 credits = 3 Tri’s)** ☑ ☑ ☑

**FLEXIBLE CREDITS**

**Personal Pathway**

**(3 credit = 6 Trimesters)**

☑ ☑ ☑ ☑ ☑ ☑

**Electives**

**(6 credits = 12 Trimesters)**

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**SKILLED & TECHNICAL SCIENCES PATHWAY**

**SAMPLE FOCUS:**

**Aerospace/Advanced Manufacturing**

\*Washington State is the world leader in aerospace and advanced manufacturing production and home to more than 1,350 aerospace-related companies employing more than 132,500 highly-skilled aerospace workers. The increase in impending retirements, new emerging technologies and a greater production demand have created challenges for building a skilled 21st century workforce and competing in a global economy. Over the next five years, the state will need more than 7,200 additional aerospace workers to fill the increasing demand.

\*[Aerospace Joint Apprenticeship Committee](https://www.ajactraining.org/about/)

**Sample Course Plan**

**17 Core Credits + 9 Flexible Credits = 26 Total Credits required for graduation**

9th Grade - Must include at least 2 LA, 2 Math, 2 Science, 1 Health, recommend 1 Computer course\*

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
| --- | --- | --- |
| Language Arts 9 | Language Arts 9 | NGSS Biology |
| NGSS Biology | Algebra | Algebra |
| Health | IT Academy - Word | Guitar |
| Algebra | PE | IT Academy - PowerPoint |
| Industrial Technology - Intro | Industrial Tech – Design Process | Industrial Tech - Manufacturing |

10th Grade - Must include at least 2 LA, 2 Math, 2 Science, 2 SS

(4-year colleges require 2 credits same World Language)

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
| --- | --- | --- |
| Language Arts 10 | Language Arts 10 | NGSS Chemistry |
| NGSS Chemistry | Geometry | Geometry |
| World History | World History | PE |
| Guitar | Robotics | Robotics |
| Spanish | Spanish | Spanish |

11th Grade - Must include at least 2 LA, 2 Math, 2 Science, 2 SS

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
| --- | --- | --- |
| Spanish | Language Arts 11 | Language Arts 11 |
| US History | US History | Welding and Plasma Cutting Arts |
| AP Environmental Science | AP Environmental Science | AP Environmental Science |
| Algebra 2 | PE | Algebra 2 |
| Aerospace/Adv Mfg | Aerospace/Adv Mfg | Aerospace/Adv Mfg |

12th Grade - Must include at least 2 LA, 2 SS (4-year colleges recommend a 4th year of math)

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
| --- | --- | --- |
| Language Arts 12 | Language Arts 12 | Civics/World Issues |
| Civics/World Issues | Bridge to College Math | Bridge to College Math |
| Computer Programming | Computer Programming | CAD |
| AJAC Youth Apprenticeship | AJAC Youth Apprenticeship | AJAC Youth Apprenticeship |
| AJAC Youth Apprenticeship | AJAC Youth Apprenticeship | AJAC Youth Apprenticeship |

\*Choose from any IT Academy course, Computer Programming, or AP Computer Science

**After High School Options**

**Employment** – Skills learned in high school manufacturing courses can lead to a job immediately upon graduation. Check with your manufacturing teacher for job openings.

**Apprenticeship** – Enter an adult apprenticeship with a head start after completing the AJAC Youth Apprenticeship program.

**College/University** – If your plan includes a degree after high school, be sure to take college entrance requirements into account (such as 2 World Language credits and 4years of math). Get a head start on earning college credits by taking dual credit courses such as AP/IB courses and AJAC Youth Apprenticeship.

**Military** – Your manufacturing skills translate directly to many jobs in the armed services. See [todaysmilitary.com](https://www.todaysmilitary.com/careers-benefits/career-fields/manufacturing) for more information.

For help in planning your Personal Program of Study see the [Skilled & Technical Sciences Pathway page](https://www.rentonschools.us/learning-and-teaching/career-and-technical-education/cte-in-the-renton-school-district/career-pathways-programs-of-study/skilled-technical-sciences-pathway) on the Renton School District website.

**PERSONAL**

**PROGRAM OF STUDY**

Check off credits as you fill in your plan.

**CORE CREDITS**

**Language Arts**

**(4 credits = 8 Trimesters)**

Language Arts 9 🗆 🗆

Language Arts 10 🗆 🗆

Language Arts 11 🗆 🗆

Language Arts 12 🗆 🗆

**Math**

**(3 credits = 6 Trimesters)**

Algebra 1 🗆 🗆

Geometry 🗆 🗆

3rd Qualifying Course 🗆 🗆

**Social Studies**

**(3 credits = 6 Trimesters)**

World History 🗆 🗆

US History 🗆 🗆

Civics/World Issues 🗆 🗆

**Science**

**(3 credits = 6 Trimesters)**

NGSS Biology 🗆 🗆

NGSS Chemistry 🗆 🗆

NGSS Physics 🗆 🗆

**Career & Technical Ed.**

**(1 credit = 2 Tri’s)** 🗆 🗆

**Fine Arts**

**(1 credit = 2 Tri’s)** 🗆 🗆

**Health**

**(.5 credit = 1 Trimester)**  🗆

**Physical Education**

**(1.5 credits = 3 Tri’s)** 🗆 🗆 🗆

**PERSONAL PATHWAY**

**(3 credit = 6 Trimesters)**

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**ELECTIVES**

**(6 credits = 12 Trimesters)**

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**SKILLED & TECHNICAL SCIENCES PATHWAY**

**YOUR FOCUS:**

Many different job areas fall under the Skilled & Technical Sciences Pathway. Choose your area of interest and use this page to plan the courses that will best ensure your success.

For help in planning your Personal Program of Study see the [Skilled & Technical Sciences Pathway page](https://www.rentonschools.us/learning-and-teaching/career-and-technical-education/cte-in-the-renton-school-district/career-pathways-programs-of-study/skilled-technical-sciences-pathway) on the RSD website.

**Your Course Plan**

**17 Core Credits + 9 Flexible Credits = 26 Total Credits required for graduation**

9th Grade - Must include at least 2 LA, 2 Math, 2 Science, 1 Health, recommend 1 Computer course\*

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
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10th Grade - Must include at least 2 LA, 2 Math, 2 Science, 2 SS

(4-year colleges require 2 credits same World Language)

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
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11th Grade - Must include at least 2 LA, 2 Math, 2 Science, 2 SS

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
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12th Grade - Must include at least 2 LA, 2 SS (4-year colleges recommend a 4th year of math)

| **Trimester 1** | **Trimester 2** | **Trimester 3** |
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**After High School Options**

**Employment**

**Apprenticeship**

**College/University**

**Military**