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 ☑ ☑
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)
☑ ☑ ☑ ☑ ☑ ☑
☑ ☑ ☑ ☑ ☑ ☑

STEM PATHWAY

SAMPLE FOCUS: Pre-Engineering

*Employment of architecture and engineering occupations is projected to grow 4 percent from 2018 to 2028, about as fast as the average for all occupations. About 113,300 new jobs are projected to be added. Most of the projected job growth in this group is in the engineer occupations, as their services will be in demand in various areas such as rebuilding of infrastructure, renewable energy, oil and gas extraction, and robotics.

*US Bureau of Labor Statistics

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	PE
Algebra	Welding and Plasma Cutting Arts	IT Academy - Excel
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
Pre-Engineering	Pre-Engineering	CAD
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	Guitar
AP Environmental Science	AP Environmental Science	AP Environmental Science
Algebra 2	PE	Algebra 2
Robotics	Robotics	Robotics Practicum

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
Humanities	Humanities	Civics/World Issues
Civics/World Issues	Construction Technology	Construction Technology
AP Computer Science Principles	AP Computer Science Principles	Humanities
AP Physics	AP Physics	AP Physics
Math Analysis	Math Analysis	Trigonometry

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

After High School Options

Employment – Most careers in engineering require additional training after high school. However, part-time work in an engineering-related business (while pursuing further training) can help familiarize you with the general industry.

Apprenticeship – Some areas of engineering have an apprenticeship path.

College/University – For the most part, a bachelor's degree is required to become an engineer. Be sure to take college entrance requirements into account (such as 2 World Language credits and 4 years of math). Get a head start on earning college credits by taking dual credit courses such as AP/IB courses and CTE Dual Credit courses. Also note that there are Engineering Technician opportunities available by pursuing a 2-year degree or certificate.

Military – Your pre-engineering skills translate directly to many jobs in the armed services. See todaysmilitary.com for more information.

For help in planning your Personal Program of Study see the STEM Pathway page 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)

☐ ☐ ☐ ☐ ☐ ☐

ELECTIVES
(6 credits = 12 Trimesters)

☐ ☐ ☐ ☐ ☐ ☐
☐ ☐ ☐ ☐ ☐ ☐

STEM PATHWAY

YOUR FOCUS: _____

Many different job areas fall under the STEM 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 [STEM Pathway page](#) 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

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

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

Trimester 1	Trimester 2	Trimester 3

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

After High School Options

Employment _____
_____

Apprenticeship _____
_____

College/University _____
_____

Military _____
_____