

THE GEORGE WASHINGTON CARVER HIGH SCHOOL OF ENGINEERING & SCIENCE
SY1617 COURSE SELECTION PLANNING SHEET FOR SY1718
CLASS OF 2019 (Current Tenth Graders) — ORANGE

Name (print) _____

Book # _____

- YOU NEED THIS FORM COMPLETED BY Monday, February 13.
- Check the box to indicate what you will complete by the end of this school year.
- Circle the courses you desire to take. Write in choices that are not listed.
- *Italicized courses must be taken in the year listed.*

| Subject | Freshman Year | Sophomore Year | Junior Year | Senior Year |
|------------------------------------|---|--|---|--|
| <i>English</i> 4 Credits | <input type="checkbox"/> <i>English 1 0148</i> <input type="checkbox"/> <i>English 1H 0158</i> | <input type="checkbox"/> <i>English 2 0248</i> <input type="checkbox"/> <i>English 2H 0258</i> | <input type="checkbox"/> <i>English 3 0348</i> <input type="checkbox"/> <i>English 3H 0358</i> | <input type="checkbox"/> <i>English 4 Trad 0448</i> <input type="checkbox"/> <i>Film2Print 0448:99</i> <input type="checkbox"/> <i>AP E Lit 0805</i> |
| <i>Social Studies</i> 4 Credits | <input type="checkbox"/> <i>World H 1040</i> | <input type="checkbox"/> <i>Af-Am 1310</i> | <input type="checkbox"/> <i>US H 1140</i> <input type="checkbox"/> <i>AP US H 1814</i> | <input type="checkbox"/> <i>Social Sci 1240</i> <input type="checkbox"/> <i>AP Gov 1816</i> <input type="checkbox"/> <i>AP Micro 1805</i> |
| Mathematics 4 Credits | <input type="checkbox"/> Algebra I 2048 <input type="checkbox"/> Algebra 1H 2058 | <input type="checkbox"/> Geometry 2148 <input type="checkbox"/> Geometry H 2158 | <input type="checkbox"/> Algebra II 2240 <input type="checkbox"/> Algebra II H 2250 | <input type="checkbox"/> Pre-Calculus 2310 <input type="checkbox"/> Pre-Calc H 2316 <input type="checkbox"/> Calculus H 2345 |
| Science 4 Credits | <input type="checkbox"/> <i>Env Sci Surv 3410</i> <input type="checkbox"/> <i>Biology 3040</i> | <input type="checkbox"/> <i>Chemistry 3140</i> <input type="checkbox"/> <i>Chemistry H 3150</i> | <input type="checkbox"/> Physics 3240 <input type="checkbox"/> Physics H 3247 | Any Science Course |
| World Language 2 Credits | | <input type="checkbox"/> Chinese I 4151 <input type="checkbox"/> Spanish I 4010 | <input type="checkbox"/> Chinese II 4154 <input type="checkbox"/> Spanish II 4021 | |
| Physical Education 1 Credit | <input type="checkbox"/> PE (1/2 Credit) 7205 | | | <input type="checkbox"/> PE (1/2 Cred) 7205 <input type="checkbox"/> Kinesiology 7405 |
| Health Education ½ Credit | <input type="checkbox"/> HE (1/2 Credit) 7000 | | | |
| Arts & Humanities 2 Credits | | | <input type="checkbox"/> Foundations 8000 <input type="checkbox"/> Graph Arts 8060 | <input type="checkbox"/> <i>Yearbook 8061</i> |
| Electives | | | | <input type="checkbox"/> <i>Sr Sem (1/2 cred)</i> 9069 |

Humanities Electives

- AP English Lang 0800
- AP Seminar 9825
- AP World History 1840
- Law 1413
- Philosophy 1422
- Commun Engage 3401 !
- Dance 1 8208
- Dance 2 8215

Mathematics Electives

- AP Calculus AB 2800
- AP Calculus BC 2806
- AP Statistics 2810

BioMedical Pathway

- Anatomy 3516
- AP Biology 3800
- Biotech/SCI R 3068
- Scientific Research 3615

Environmental Science Pathway

- Environ Sci 3400
- AP Env Sci 3810

Psychology Pathway

- Psychology 1429
- AP Psychology 1830
- Biotech/SCI R 3068

Science Electives

- Astronomy 3532
- Urban Ecology 3070
- AP Chemistry 3807
- AP Physics 3817

Computer Science

- CS I 9260
- Java Honors 9264
- Web Development 9208
- Game Design 9226
- Adv Digital Edit 9224
- AP CS 9820

Engineering Electives

- Engin Surv 3568
- Engineering I 6139
- Engineering II 6140
- Engineering III 6141
- Robotics 3610

World Language Electives

- Spanish 3 H 4029
- Chinese 3 H 4158
- Chinese Culture 4161

GRADUATION REQUIREMENTS

At Carver HSES most students graduate with more than the minimum required credit and take more demanding courses. As our school name indicates, we place a special emphasis on science and mathematics, providing advanced courses in these areas, as well as opportunities for Advanced Placement and College classes. Our intent is to provide our graduates with the knowledge to be successfully competitive with their peers from across the country.

CREDITS

Over the course of four years a *minimum* of 23.5 credits, in the designated content areas, must be earned for graduation:

- a. 4 credits in English
- b. 4 credits in Social Studies
- c. 4 credits in Mathematics
- d. 4 credits in Lab Science
- e. 2 credits in World Language
- f. 2 credits in Arts/Humanities
- g. 1 credit in Physical Education
- h. 1/2 credit in Health Education
- j. Multidisciplinary Project

As part of the required credits listed, all Carver HSES students are expected to take an initial survey course in Environmental Science, Engineering and Computer Science. Also, Carver HSES offers AP courses in all major subjects which fulfill the designated content area credits as listed above.

All Carver HSES students are expected to take an Advanced Placement (AP) Course prior to graduation to prepare them for college.

PATHWAY REQUIREMENTS Recommended Related Courses

Bio-Medical

- Anatomy
- AP Biology
- Biotech/Science Research
- AP Statistics

Computer Science

- Computer Science I
- AP Computer Science Principles
- Honors Java
- AP Computer Science A
- Robotics

Engineering

- Engineering Survey
- Introduction to Engineering
- Principles of Engineering
- Digital Electronics
- Civil Engineering and Architecture
- Engineering Capstone
- Calculus or AP Calculus
- Robotics
- Computer Science I
- AP Computer Science Principles
- Honors Java
- AP Computer Science A

Environmental Science

- Environmental Science Survey
- Environmental Science – ENVIROTHON
- AP Environmental Science
- AP Statistics

Psychology

- Psychology
- AP Psychology
- AP Statistics
- Biotech/Science Research

MY PLANNING SPACE Do this in Pencil

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____ Lunch _____

alt 1: _____

alt 2: _____

alt 3: _____