



2021 - 2022 Senior Majors/Pathways Course Registration Form

Academy for the Arts, Science, and Technology

895 International Drive

Myrtle Beach, SC 29579

843-903-8460 843-903-8461 (fax)

Student's Full Name _____ Base High School _____

Please check the MAJOR for which you have been accepted.

Advanced Art

_____ Year Two (3 credits total)

Art 4 H 3.0 credits

Aerospace Engineering

_____ Year Two (2 credits total)

Aeronautics Engineering Applications H 1.0 credit

Astronautics Engineering Applications H 1.0 credit

BioMedical Science

_____ Year Two (2 credits total)

Medical Innovations H 1.0 credit

Biomedical Innovations H. 1.0 credit

Environmental Engineering

_____ Year Two (2 credits total)

Clean Energy Strategies H 1.0 credit

Clean Energy Innovations H 1.0 credit

Computer Science

_____ Year Two (3 credits total)

Computer Programming 2 1.0 credit

AP Computer Science Principles 1.0 credit

- Strongly recommended; optional

Computer Science Elective (Choose from CS electives below)

Networking Systems

_____ Year One (3 credits total)

Networking Fundamentals 1.0 credit

Fundamentals of Computing 1.0 credit

Choose One or Both

___ Global Logistics H 1.0 credit

___ Informatics H 1.0 credit

_____ Year Two (3 credits total)

Advanced Networking 1.0 credit

Choose Two Computer Science Electives 2.0 credits (Choose from CS electives below)

COMPUTER SCIENCE ELECTIVES: (*course meets graduation requirement)

___ Advanced Networking*

___ AP Principles of Computer Science CP*

___ Cyber Security Fundamentals CP*

___ Fundamentals of Computing CP*

___ Global Logistics H

___ Global Information Systems 1 CP*

___ Game Design and Development CP*

___ Informatics H

___ IT Fundamentals CP*

___ Networking Fundamentals CP*

Entertainment Technology

_____ Year Two (3 credits total)

Media Technology 3 1.0 credits

Media Technology 4 2.0 credits

Innovations in STEM

_____ Year Two (2 credits total)

Impacts of Science and Technology H 1.0 credit

Creativity and Innovations H 1.0 credit

Pre-Engineering

_____ Year Two (3 credits total)

Core Engineering 3 1.0 credit

Core Engineering 4 2.0 credits

Pre-Medicine

_____ Year Two (4 credits total)

Health Science 3 H 1.0 credit

Health Science Clinical Studies 2.0 credits

Anatomy and Physiology H 1.0 credit

Web and Digital Communications

_____ Year Two (3 credits total)

Advanced Web Design and Development 2 1.0 credit

Digital Arts 1 1.0 credit

Digital Arts 2 1.0 credit

AP Capstone

_____ Year Two (2 credits total)

AP Capstone Research 1.0 credit

Choose one of these courses to pair

Anatomy and Physiology H 1.0 credit

AP Environmental 1.0 credit

AP Psychology 1.0 credit

AP Statistics 1.0 credit

*Courses taught on an A/B Day schedule

Seniors must have a minimum of 3 courses per semester. Students taking AP Research must pair it with another course. Courses available to pair are in bold print. AP Research and the paired course will be offered on an A/B schedule. These courses will take up one block each semester and students will receive two credits for the courses. Please note that some AP courses take up 1 block each semester, totaling 2 blocks for the year. Courses are labeled as CP (college preparatory), H (honors), or AP (Advanced Placement). Academic course offerings are subject to change based on demand.

ENGLISH:

- ___ English 3 CP
- ___ English 3 H
- ___ English 4 CP
- ___ English 4 H
- ___ AP Language (1 block)
 - Recommended after English 3 Honors/Recommended at least an 80 in previous English course
- ___ AP Literature (2 blocks)
 - Recommended for seniors/Recommended at least an 80 in previous English course

MATHEMATICS:

- ___ Algebra 2 CP
- ___ Algebra 2 H
- ___ Calculus H
- ___ Pre-Calculus CP
- ___ Pre-Calculus H
- ___ Probability and Statistics CP
- ___ Probability and Statistics H
- ___ AP Calculus (AB) (2 blocks)
 - Recommended at least an 80 average in Pre-Calculus Honors
 - Students will receive credit for Calculus Honors first semester
- ___ AP Calculus (BC) (1 block)
 - Recommended at least an 80 average in AP Calculus (AB)
- ___ **AP Statistics (1 block)**
 - Must have taken Probability and Statistics Honors

SOCIAL STUDIES:

- ___ AP Government/ AP Microeconomics (2 blocks)
- ___ Government/Economics CP
- ___ Government/Economics H
- ___ AP European History (2 blocks)
- ___ AP Human Geography (1 block)
- ___ **AP Psychology (1block)**

FOREIGN LANGUAGE:

- ___ Spanish 1 CP
- ___ Spanish 2 CP
- ___ Spanish 3 H
- ___ Spanish 4

SCIENCE:

- ___ **Anatomy and Physiology H**
- ___ AP Biology (2 blocks)
 - Recommended at least an 80 average in Biology I Honors
- ___ AP Chemistry (2 blocks)
 - Students will receive credit for chemistry honors first semester
- ___ Chemistry CP
- ___ Chemistry H
- ___ **AP Environmental (1 block)**
 - Must have taken Biology 1 and Chemistry with a grade of 80 or better
- ___ Forensic Science CP
- ___ Forensic Science H
- ___ Marine Science H
- ___ Physics CP
- ___ Physics H

DUAL CREDIT COURSES: All dual credit courses are semester courses offered through Horry Georgetown Technical College. For Spanish 101 and 102, you must have taken Spanish 1 and 2 in order for the district to pay for the courses. ***Courses are only offered on HGTC campus or online.**

___ English 101 * ___ English 102 *
*Students are responsible for full tuition payment for English 101 and 102 UNLESS they have already taken all comparable English courses offered at our school. (Ex: AP Lang and AP Lit)

___ Spanish 101 ___ Spanish 102
___ *Psychology 201 ___ Sociology 101
___ Speech 205 ___ Music Appreciation 105
*District will not pay for this course

OTHER ELECTIVES:

- ___ AP Capstone Seminar
- ___ Teacher Cadet H (dual credit available)
- ___ Emergency Medical Services 1 CP
- ___ Art 1 CP
- ___ Art 2 CP
- ___ Theater 1 CP
- ___ Theater 2 CP
- ___ Technical Theater

Computer Science Electives: (Open to all students)
(*course meets graduation requirement)

- ___ Advanced Networking*
- ___ AP Computer Science Principles CP*
- ___ Cyber Security Fundamentals CP*
- ___ Digital Media Marketing CP
- ___ Fundamentals of Computing CP*
- ___ Global Logistics H
- ___ Global Information Systems 1 CP*
- ___ Game Design and Development CP*
- ___ Informatics H
- ___ IT Fundamentals CP*
- ___ Networking Fundamentals CP*

