



Atlantis Charter School

Program of Studies

2024- 2025

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Office Directory

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Introduction

School Mission

The mission of the Atlantis Charter School is to provide an education second to none, yielding academic excellence and life-long learning skills upon which students will be able to build a successful future. We expect an equal partnership among parents, community, faculty, staff, and students to create a safe, caring, innovative and progressive learning environment. Atlantis incorporates the best research-based practices in education to meet the needs of our student population. It is our intent to become a model of educational excellence.

Core Values

Atlantis Charter School is UNITED. Through these values and beliefs, students develop both a sense of humanity and civil responsibility.

Unwavering	We will persevere against all adversity
Noble	We have honor and respect for all
Integrity	We adhere to ACS values at all times
Trustworthy	We are responsible and accountable for our actions
Excellence	We always strive to do our best
Daring	We dare ourselves to be great and powerful beyond measure

Atlantis Charter High School is part of the Atlantis Charter School, which has been providing quality education for 28 years. Students in their earlier years build a strong foundation for learning that they can apply to a rigorous high school curriculum. The school offers five specialized academies that provide students with real-world experiential learning opportunities. Advanced Placement courses are available in several core academic subjects, and there is a diverse selection of courses to match every student's interest.

This Program of Studies is intended to give students and parents a general overview of the courses offered at Atlantis Charter High School. Atlantis Charter School recognizes that each student is a unique individual who possesses specific strengths, needs, and learning styles. The courses offered at Atlantis Charter School provides all students the opportunity to develop their capabilities in a variety of content areas and at appropriate and challenging levels of learning. Each student is expected to discuss his/her course selections with his/her parents and his/her school guidance counselor. Courses offered are always subject to administrative approval, course enrollment, and budget.

NEASC Accreditation

The high school program at the Atlantis Charter School was officially accepted as a candidate for accreditation through the New England Association of Schools and Colleges (NEASC) at the beginning of the 2015-2016 school year. The high school program was issued Initial Accreditation in June of 2018.

NCAA Accreditation

The list of NCAA courses, and courses contained within, are maintained as a guide for prospective student-athletes seeking NCAA initial-eligibility. Atlantis Charter School Core Curriculum and Proof of Graduation was approved for initial-eligibility in 2022.

Innovation Career Pathways

Innovation Career Pathways are designed to give students coursework and experience in a specific high-demand industry, such as information technology, engineering, healthcare, life sciences and advanced manufacturing.

Atlantis Charter School Innovation Career Pathways are designed to create strong partnerships with employers/ businesses in the area in order to expose students to career options and help them develop knowledge and skills related to their chosen field of study before they graduate high school.

Expectations for Graduates

High School Program

Atlantis Charter School is a Commonwealth Charter School accredited by the New England Association of Schools and Colleges. It services all students enrolled by providing the education and opportunities to continue on to attend 2 or 4-year colleges/universities, technical institutes, as well as those who are planning to enter the workforce or military service. In 2017, Atlantis launched five ground-breaking career academies designed to prepare an educated 21st-century workforce and drive economic development 3. The high-school academy program, which was strategically designed in collaboration with industry and high-education partners, serves as the school's organizational and operational career development platform.

Electing a Program

Course selections should be made with care. Each student must take 22 credits per year. All students must earn 88 credits to graduate, pass the Massachusetts Comprehensive Assessment System (MCAS) exams and must meet the high school graduation requirements outlined in this booklet.

Students are advised to select their courses wisely and realistically, paying special attention to high school graduation requirements, post-high school plans, and teacher recommendations. Counselors will meet with students individually and in groups to discuss the course offerings and requirements. Any student may choose to make an appointment with his/her counselor to discuss the initial selections. The course selection process is very important, and we believe that the selection of a high school program should be a collaborative effort between the student, parents, teachers, and guidance counselors. In addition, guidance counselors will meet with each student in March to discuss the selections and academic plan for the following year.

PowerSchool

Atlantis Charter School uses PowerSchool for a variety of needs that include attendance, assessment, and grading. As a part of this service, parents can utilize PowerSchool to monitor student performance in classes and attendance throughout the year. This free web-based portal is available for any parent of an Atlantis Charter School student to access and can be accessed from any internet capable device once it is set up.

Graduation Requirements

Successful completion of:

- **English:** 16 credits
- **Mathematics:** 16 credits
- **Social Studies:** 12 credits, including US History
- **Science/Technology/Engineering:** 12 credits
- **World Language:** 8 credits
- **Career Academy Disciplines:** 12 credits
- **Physical Education/Health:** 4 credits

- 40 hours of Community Service

Promotion to the next grade level is determined by the credits received in the previous academic year.

Students are placed in the homeroom that is aligned with their status.

- Students must have a minimum of 22 credits to achieve Sophomore status
- Students must have a minimum of 44 credits to achieve Junior status
- Students must have a minimum of 66 credits to achieve Senior status
- Students must have a minimum of 88 credits to be eligible for graduation

All students must pass the Massachusetts Comprehensive Assessment System tests (MCAS) and demonstrate proficiency in English/Language Arts, Mathematics, and Science/Technology/Engineering to receive a diploma. Students must also earn a scaled score of

- English Language Arts: 472
- Mathematics: 486
- Science/Technology/Engineering:
 - Biology: 467
 - Physics: 470

*Minimum Admissions Standards for admission to MA State Colleges and Universities. Further information can be found at: <http://www.mass.edu/shared/documents/admissions/admissionsstandards.pdf>

Guidance Services

The mission and goal of our School Guidance Counseling Program here at Atlantis Charter School is to provide every student an opportunity to attend college through data-driven comprehensive student services that address the academic, career, and social/personal development and success of all students. In collaboration with administration, teachers, parents, and the community, our program will support students, regardless of disability, language acquisition needs, socio-economic status, ethnicity, or gender identification, to become admirable, efficient, and contributing members of their community.

College/Career Counseling

The school guidance counselor assists students in identifying and evaluating personal goals, priorities, aptitudes, and interests to help them make informed decisions about their futures. Additionally, the counseling department also aims to help students match their interests and aptitudes to college and career options with a focus on using employment information effectively, acquiring and improving job-seeking and interview skills, composing job applications and resumes, and learning the skills needed to remain in and advance within the workplace.

School Adjustment and Psychological Services

The school adjustment counselors are also available for students to utilize to gain emotional and social support; these services include—but are not limited to—crisis management, family outreach, referrals for services, and student mediation. Additionally, school adjustment counselors are active participants in intervention strategy planning sessions and coordinate the mentoring program between at-risk students and a trusted staff member. The school adjustment counselor may also push into academic classroom settings to enhance or execute anti-bullying, character education, or life skills curriculum.

The district also has a school psychologist available to complete educational testing and assist with the social-emotional needs of students; the school psychologist is on-site.

Level Descriptions

Advanced Placement (AP)

The Advanced Placement (AP) program at Atlantis Charter School offers students the opportunity to enroll in a variety of rigorous college-level classes. Students are recommended for these courses based upon excellent performance, academic achievement, and motivation to handle advanced concepts.

These courses require an exceptional amount of study, ending with the AP exam; this test is a national exam that often carries either college credit or reduction of college requirements for graduation.

These courses follow a curriculum that has been approved by The College Board and all students taking these classes are required to take the AP exam in May.

AP Student exam fees are covered by Community Eligibility Provisions and do not need to be paid by students. If students choose to not take the AP exam, they will only receive honors level for the course, and they must pay for the unused exam fee.

Currently, Atlantis Charter School offers the following AP courses:

AP English Language & Composition, AP Government and Politics, AP United States History, AP English Literature & Composition, AP Statistics, AP Biology, AP Environmental Science, AP Psychology, AP Human Geography, AP Spanish Language & Composition, and AP Calculus (AB).

Summer work may be required and is based on the course instructor's discretion.

To register for an AP course, students must meet the following conditions:

- Demonstrate awareness of AP policy by signing the AP contract
- 85% average or above in the current content area **or** recommendation from teacher

Honors Level

Honors level courses provide students with the opportunity to expand their academic expertise in any core content area. These courses provide students with the opportunity to go more in depth in these areas but do also carry the demand of further work and study time. These courses demand independent learning as well as critical, creative, and analytical thinking. Students should have strong writing skills and be capable of high-level critical thinking and independent work. Students who are highly motivated to pursue their studies in great depth should consider courses at this level.

Students are placed in Honors English Language Arts, Mathematics, Science, History, & World Language utilizing the following resources:

Grades from previous years/ the student's sending school, placement tests, and—when applicable—MCAS scores. Since placement is limited in these courses, other factors such as attendance, discipline record, and staff recommendations may also be considered.

Honors students should be highly motivated and have a work ethic that will ensure that all assignments are passed in on time and meet the expectations of an honors course. A student who is not meeting the expectations of the course and does not maintain an 80% average may be removed from the class or have a written contract drawn up allowing him/her to remain in the class under certain criteria. Each honors course will have specific rules and expectations that will be given to the students the first day of class.

College Preparatory Level

College Preparatory level courses provide students with the opportunity to develop their academic expertise in any core content area. These courses utilize independent learning as well as critical, creative, and analytical thinking. Students will develop strong writing skills and implement ways to work on their critical thinking; sometimes leading to more independent work. This pathway ensures that students have the necessary tools and experiences to be college and career ready.

Grading Scale

The Atlantis Charter School expects academic resilience of all of its students, and therefore does not award a passing grade below 70%. The following percentages are correspondent to the following letter grades:

Grade Range	Letter Grade Awarded
98 - 100	A+
94 - 97	A
90 - 93	A-
88 - 89	B+
84 - 87	B
80 - 83	B-
78 - 79	C+
74 - 78	C
70 - 73	C-

Grade Weights and Class Rank

Grade Point Averages (GPA) and class rank are important to students seeking scholarships, financial assistance, and other post-secondary endeavors. GPA and class rank are calculated using a system of levels and credits. Each academic and elective course is assigned the appropriate level based on the rigor of the curriculum and the performance expectations: generally, Advanced Placement courses are weighted at the highest level, followed by Honors courses, and then College Preparatory courses.

It is important to note that levels do not affect the grade published on a student's report card. Levels provide a means of accurately calculating class rank for a diverse population. Levels may also be utilized to adjust for an individual with significant modifications to his/her course expectations. GPA and class rank are calculated by multiplying a student's adjusted class averages by the corresponding credit value, and then dividing by the total number of attempted credits.

Course Weights

Grade	Unweighted	College Prep	Honors	Advanced Placement
A+	4.00	4.30	4.80	5.30
A	4.00	4.00	4.50	5.00
A-	3.70	3.70	4.20	4.70
B+	3.40	3.40	3.90	4.40
B	3.00	3.00	3.50	4.00
B-	2.70	2.70	3.20	3.70
C+	2.40	2.40	2.90	3.40
C	2.00	2.00	2.50	3.00
C-	1.70	1.70	2.20	2.70
F	0.00	0.00	0.00	0.00

Atlantis will report both the weighted and unweighted GPA of all students to students and families and institutions of higher learning. Atlantis Charter School will use this information to award the following accolades: National Honors Society, President Awards, class valedictorian, and class salutatorian. Class rank is determined based on students' weighted GPA.

The School Transcript also shows a Non-Weighted GPA, which is based upon a 4.0 system. This GPA is often required when a student applies to college. The Unweighted GPA gives a maximum point value of 4.0 for any course, regardless of level. Thus, an A+ is worth 4.0 points, and an A– is worth 3.7 points, etc.

Academic Integrity

As aligned with the Atlantis Charter School mission statement, students attending the Atlantis Charter High School are expected to conduct themselves with the utmost degree of personal and academic integrity. For this reason, academic dishonesty of any kind will not be tolerated and will be met with consequences.

Atlantis Charter High School defines academic dishonesty as any instance of deliberate plagiarism, copying, or overall misrepresentation of individual and original academic thought. This policy does not strictly limit itself to papers; academic dishonesty may occur in the form of copying work, looking at

another student's exam, or complying with a student's request to copy work. In such an event, both students involved will be treated as equally responsible, and will be met with the same consequences.

For any offense of academic dishonesty, student(s) will receive a zero for the assignment and receive a disciplinary consequence consistent with the Student Handbook and the circumstances of the individual case. Repeated cases of academic dishonesty will result in a more severe progression of discipline.

Transfer Policy

For a student to transfer into Atlantis Charter High School and receive continuing credit for courses being taken at previous institutions, transcripts need to be presented with up-to-date numerical grades of which they are enrolled. Once these grades are presented, Atlantis will continue in the scheduling process for the new enrollment.

Enrollment Liaison (Diane Boutin), in conjunction with Guidance Counselor, will meet with families to discuss transferring credit and grade value of the new student.

Upon student's acceptance, enrollment into PowerSchool will commence on the new students "Effective Start Date."

On the new student's first day at ACS, the student will meet with the assigned Guidance Counselor to receive a Student Handbook, Locker Assignment, and discuss academic courses. The new student will then be set up with a grade level Student Mentor to shadow for the day, shadowing will familiarize the new student with ACS building and culture.

- On the 2nd day students will meet with the Guidance Counselor to receive a schedule.

Completed Quarter & Semester grades will be manually entered into ACS PowerSchool by Atlantis' Guidance Counselors as a Letter Grade closest to Numerical Value.

- Any **Unfinished** quarter grades require up-to-date grades from previous school.
 - Unfinished is defined according to Atlantis Charter School Calendar.
 - Up-to-date refers to within 7 days of application processing.
- **Unfinished Quarter Grade Averages** will be sent out to teachers for new students entering their classes. It is expected that those grades will then be weighted accordingly and averaged with grades earned for the rest of the quarter.
 - Students entering with a quarter grade of 50 or less will be rounded up to a 50 for the quarter.

- Students entering with a quarter grade between 50 and 60 will be rounded up to a 60 for the quarter.
- Students entering with a quarter grade of 60 or above will be inputted as the same numerical value.

Students who enter with **NO** Transcripts (or foreign transcripts) will be given placement tests to assess their current level to the best of ACS's ability.

- Failure to provide transcripts with numerical grades will result in rounding to the **Middle** numerical value in the grading system (A = 95, B- =82, etc.)
 - An F on a transcript will be 50, unless a numerical value is presented otherwise.

Teachers will fill out a Transfer Grade Calculator (see attached) for all students who transfer into an unfinished Quarter.

Replacing Credits and Summer School

Students that fail a course will not receive credit for the failed attempt and the student's transcript will be marked with a "F" for the Final Grade. If the student completes credit recovery via ACS Credit Recovery Summer Program, the corresponding course will be altered to reflect a "NC" (no-credit) and the recovered course will be listed on the transcript under the completed school year. Failed courses may also be retaken during subsequent school years; the grade received will count towards graduation credits and the previous failed attempt will be replaced as "NC" (no credit).

Credit Recovery Summer Program

Atlantis Charter School offers a credit recovery summer school for students who failed a Math or English course and need the required graduation credits. Students who do not earn a passing grade in English or Math will receive a Credit Recovery Letter explaining the Credit Recovery Summer Program.

If your child fails a Science, Social Studies/History, or World Language course, they automatically will take an extra course during a subsequent school year to make up the credits lost.

Homework, Make-Up Work, and Late Work

Homework is assigned and graded at an individual teacher's discretion, based upon best practice and Atlantis Charter High School grading policy guidelines. When assigned, homework is designed to stretch and reinforce classroom learning, and thus is of the utmost importance. While assignments may

vary in length and content, students will be expected to submit them on time and with the highest degree of academic integrity.

Make-Up Work

Upon return to school, students are given one day for each day absent, not to exceed 5 days, to make up any missed work. Any work not completed after the allotted time frame will be counted as a zero. It is the responsibility of the student to collect any missed work from their teachers.

Students who are determined to be cutting class or missing school on their own accord will not be given an opportunity to make up any tests or other assignments given on the day in question. The student will receive a zero (0) for any assignments or assessments that were missed during the time of the truancy.

Civil Rights Laws

Atlantis Charter School complies with all state and federal civil rights laws. Below is a brief summary of these laws.

Title VI of the Civil Rights Act of 1964

Title VI prohibits discrimination on the grounds of race, color or national origin by recipients of federal financial assistance. This statute ensures that individuals are not excluded from participation in or denied the benefits of) programs or activities receiving federal funds on account of their membership in one of these protected categories (42 USC S2000d). This statute has been interpreted to prohibit the denial of equal access to education because of a language minority student's limited proficiency in English.

Title IX of Educational Amendments of 1972

Title IX of the Educational Amendments of 1972 states: No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or subjected to discrimination under an education program or activity receiving Federal financial assistance.

Title IX requires that schools adopt and publish a policy against sex discrimination and have grievance procedures through which individuals can complain of alleged sex discrimination, including sexual

harassment. State law also requires Massachusetts employers to have a policy against sexual harassment. (M.G.L. Ch 151B, S3A)

Section 504 of the Rehabilitation Act of 1973

Section 504 provides that no otherwise qualified individual with a disability shall solely by reason of his/her disability, be excluded from the participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance. The regulations implementing Section 504 require that public schools provide a free appropriate public education to each qualified handicapped person who is in the recipient's jurisdiction, regardless of the nature or severity of the person's handicap. (34 CFR 104.33)

Americans with Disabilities Act of 1990

Title II of the Americans with Disabilities Act prohibits state and local governments (including public school districts) from discriminating against individuals with disabilities.

Equal Education Opportunities Act of 1974

This federal statute prohibits states from denying equal educational opportunities to an individual based on race, color, sex or national origin. It specifically prohibits denying equal educational opportunities by failing to take appropriate action to overcome language barriers that impede equal participation by its students in its instructional programs. (20 USC S 1203(f))

Massachusetts General Laws Chapter 71, Section 32A

This state law allows parents to exempt their children from any portion of the curriculum that primarily involves human sexuality or human sexuality issues through written notification from the parent/guardian to the high school site leaders.

Before deciding, parents can call the Physical Education/Health office at 1-508-646-6410 ext. 1272 or 1274.

Massachusetts General Laws Chapter 76, Section 5

This state law provides that “no person shall be excluded from or discriminated against in admission to a public school of any town, or in obtaining the advantages, privileges and courses of study of such public school on account of race, color, sex, religion, national origin, or sexual orientation.

Title I Services

According to the U.S. Department of Education, the purpose of Title I funding “is to ensure that all children have a fair, equal, and significant opportunity to obtain a high-quality education and reach, at a minimum, proficiency on challenging state academic achievement standards and state academic assessments.” Schools with large concentrations of low-income students will receive supplemental funds to assist in meeting students' educational goals; as a Title I district, Atlantis Charter School commits itself to serving students identified for Title I services through various testing through improvements to curriculum and instructional activities; availability to counseling; and finally, increased parental and staff involvement.

Special Education Services

The special education department consists of the Special Education Director and special education teachers, paraprofessionals and related service providers who provide inclusion and direct services for students on Individualized Education Plans (IEP's). The school follows both state and federal mandates for securing special education services for students, as well as for administering the prescribed curriculum as determined by the student's special education team.

ACS strives to meet the needs of all students, and the special education department is a major cornerstone of this goal: the school hosts initial meetings for students who were never on an IEP before, annual reviews of supports for students already on IEPs, and three-year reevaluations for students on IEPs who are reevaluated with psycho-educational assessments. The special education department works collaboratively to write or rewrite all IEPs after the meetings are held. In addition, to comply with state and federal requirements, the special education department works collaboratively to write quarterly progress reports that supplement student progress reports and report cards.

In the context of the classroom, the special education department designs reduced and/or modified curriculum and assessments for students based on their needs and what is written in their IEPs and works closely and collaboratively with content teachers to improve and increase student outcomes for learning in all content areas. Additionally, the teachers that push into academic classrooms are responsible for co-teaching with content teachers to ensure that all students with learning disabilities are receiving the services that they are legally entitled to.

(22005) - Academic Support

Full Year Course

The Academic Support course is designed to assist students who require additional support. The course will help students become more independent and successful in their content area classes by offering additional instruction time, targeted study skills, and subject-specific learning strategies. The course time may also assist students who need support with homework or additional supplemental assignments.

English Language Learning (ELL) Services

Upon enrollment, the English Language Learning Director at the school will review new students' academic records to determine if there might be a need for language services. The Director looks at the Home Language Survey and any evidence of current enrollment in an EL/ELD program, as well as prior MCAS scores, ACCESS scores, report cards, reading test scores, and any other pertinent academic information that is included in the files.

When a student is identified as possibly needing EL services, the Director will request that an ELL screening test, called WIDA screener, be administered to the student. This test assesses the student in four language areas or domains: Listening, Speaking, Reading, and Writing. If the student earns a Level 4.5 or higher in all the domains, he/she does not need EL services; however, if the student scores below a 4.5, he/she qualifies. At that point the Director and or EL teacher will speak with the student's parents/guardians to obtain their permission to start supporting their child in the school's EL program.

English language (EL) courses are designed for the development of the English Language, focusing on reading, writing, speaking, and listening skills. These courses provide students with strategies and supports they can use within their language acquisition and therefore can bring into their academic courses. The courses are created with a curriculum that encompasses all WIDA 2020 standards. Students are enrolled in an EL course until they exit out of the program, obtaining a 3.9 Literacy score and 4.2 overall score on their yearly ACCESS test.

Description of Courses

(01008) – ELD 9 *Full Year Course*

This class is based on the WIDA standards for English Language Development. Classes focus on the explicit instruction of the English language in listening, writing, speaking, and reading. Students will develop the social and academic language necessary for success in math, science, and social studies SEI (Sheltered Immersion Instruction) classes. This class also includes preparation for the ACCESS for ELLs test. This class is designed for 9th grade students who are designated as EL.

(010082) – ELD 10 *Full Year Course*

This class is based on the WIDA standards for English Language Development. Classes focus on the explicit instruction of the English language in listening, writing, speaking, and reading. Students will develop the academic language necessary for success in ELA, math, science, and social studies SEI (Sheltered Immersion Instruction) classes. This class prepares students for the ACCESS for ELLs test and ELA MCAS. This class is for EL students who are in the 10th grade.

(010083) – ELD 11 *Full Year Course*

This transitional class is based on the WIDA standards for English Language Development. Classes focus on the explicit instruction of the English language in listening, writing, speaking, and reading. Students will develop the academic language necessary for success in ELA, math, science, and social studies classes. This class prepares students for the ACCESS and ELA MCAS. This class is for students who are ELs and in the 11th grade.

(010084) – ELD 12 *Full Year Course*

This transitional class is based on the WIDA standards for English Language Development. Classes focus on the explicit instruction of the English language in listening, writing, speaking, and reading. Students will develop the academic language necessary for success in ELA, math, science, and social studies classes. This class prepares students for the ACCESS and ELA MCAS. This class is for students who are ELs in the 12th grade.

(01009) – Foundational ELD- Entering *Full Year Course*

This is a EL course designed specifically for newcomer and beginner EL students who are in their first year of entering the country. The course uses WIDA 2020 standards to support students in assimilating to their school and environment. The EL teacher uses intensive scaffolding, such as review of foundational skills, use of graphic novels, increased vocabulary instruction, increased guided writing practice, and structured discussion opportunities.

(010092) – Foundational ELD- Emerging *Full Year Course*

This is a EL course designed specifically for newcomer and beginner EL students who are in their second year of entering the country. The course uses WIDA 2020 standards to support students in assimilating to their school and environment. The EL teacher uses intensive scaffolding, such as review of foundational skills, use of graphic novels, increased vocabulary instruction, increased guided writing practice, and structured discussion opportunities.

Common Core Courses Offered

English Language Arts

The English department strives to create a program of study that consistently and skillfully reinforces mastery in a variety of ways that speak to the main domains of literacy: reading, writing, speaking, and listening. Students who complete the English Language Arts curriculum at Atlantis Charter High School will become self-motivated learners and lifelong readers who are constantly curious and inquisitive about their world.

The English department fosters many interpersonal skills through the study of language and literature, with a strong emphasis on understanding the student's world in real time. Through a series of complex and engaging texts and assessments, students will develop the capability to read and communicate effectively across a variety of contexts to find success in our 21st century world.

By the end of high school, successful English Language Arts students at Atlantis Charter High School will be able to:

- Communicate effectively in writing with respect to any given audience and purpose
- Utilize oral discourse to communicate and exchange ideas with the ever-present goal of inquiring and learning
- Read, comprehend, and analyze a variety of complex texts that include books, poems, plays, articles, films, and other visual texts
- Utilize proper conventions of written and spoken English to convey ideas appropriately and articulately
- Utilize a variety of texts to inform a nuanced understanding of the 21st century world, and to question and analyze the world through a lens of informed thought

Grade*	Course	Honors Selection	Advanced Placement Selection
9	English I	Honors English I	N/A
10	English II	Honors English II	N/A
11	English III	Honors English III	AP English Language & Composition
12	English IV	Honors English IV	AP English Literature & Composition

*As a reminder, grade standing is determined by credits a student has earned only

Description of Courses

(01001) – English I *Full Year Course*

English I aims to provide students with a basic introduction to literary study through a variety of text genres that speak to myriad times, places, and people for a well-rounded view of the world around us. While major texts of study will include writing by authors of literary merit, this study will be supplemented with contemporary writing and articles to further enhance skill acquisition. Students who successfully complete this course will develop skills in the following areas: critical thinking and questioning, reading, writing, vocabulary, and grammar.

(01001H) – Honors English I *Full Year Course*

The aims of the Honors English I course are similar in nature but emphasize deeper inquiry into the major study of literature and increased rigor in writing and communicating ideas about literature. Students will begin to develop a basic understanding of the significance of language in writing and will further explore these skills through writing intensive projects and an emphasis on class discussion and independent inquiry.

(01002) – English II *Full Year Course*

English II has a running theme of exploring one's identity during the transition from child to young adult, and how that is affected by the world we live in. We accomplish this through examining and analyzing classic and contemporary literature and poetry. The core focus of English II is reinforcing and expanding the following skill areas: writing, both in terms of complexity and the ability to communicate

effectively; critical thinking; independent reading and comprehension. Students are assessed each quarter through tests, quizzes, written assignments, participation, and one creative project.

(01002H) – Honors English II *Full Year Course*

The honors track for English II has the same foundation as the academic track, but with increased rigor and responsibility. That responsibility largely manifests through assigned reading outside of class. The honors class will average roughly one more novel per quarter than academic classes, for a total of three additional novels. Although the class is still largely based in reinforcing and expanding skills, the everyday routine is run more like a seminar with student-driven discussion and extended periods of independent writing. Students are assessed each quarter through tests, quizzes, written assignments, participation, and one creative project.

(01003) – English III *Full Year Course*

This course will explore American literature beginning at the turn of the twentieth century through the modern era. Students will read and reread a text, employ a variety of reading strategies to enhance comprehension skills, engage in discourse about the text, engage in critical analysis, synthesize fiction and historical context, and use text evidence to support claims in literary responses. Areas of emphasis in writing instruction include writing a variety of essays of length that develop research skills, develop a style, and begin to cultivate and sharpen skills for college and career readiness.

(01003H) – Honors English III *Full Year Course*

The aims of the third honors ELA course are similar in nature to the academic course but emphasizes a stronger focus on independent work and thought development. The main differentiation between this course and the academic English course is overall depth and speed of content, but the aims and outcomes are essentially the same.

(01005A) – AP English Language & Composition *Full Year Course*

Students enrolled in this rigorous college level English course will read across a wide breadth of nonfiction and fiction texts to inform their overall knowledge of rhetoric, writing, and writing development. Through several different kinds of writing assessments and the close study of various texts, students will develop this deep understanding of writing as a form of ideological exchange by answering essential questions that will allow them to develop a more complex and nuanced understanding of writing and its particular aim.

(01004) – English IV

Full Year Course

Building on the foundation established in English III, English IV will engage students in the analysis of multiple literary genres within the larger context of American and World literature. Students will analyze major themes in literature such as "justice, freedom and equality," "loneliness and isolation," and "identity". Students will practice the high-level skills of reading critically, collaborating to create new knowledge, presenting ideas to an authentic audience, and writing effectively for a wide variety of audiences and purposes. Students will conduct original research in an area of interest and produce either a research paper or project/presentation.

(01004) – Honors English IV

Full Year Course

The aims of the fourth honors course are similar in nature to the academic course but emphasizes a stronger focus on independent work and thought development. The main differentiation between this course and the academic English course is overall depth and speed of content, but the aims and outcomes are essentially the same.

(01006A) – AP English Literature & Composition *Full Year Course*

Students enrolled in this rigorous college level English course will read across a wide breadth of fiction texts including novels, novellas, short stories, and poetry to inform their overall knowledge of literary composition and tradition. Through several different kinds of writing assessments and the close study of various texts, students will develop this deep understanding of literature as a method of ideological exchange and as an art form, with the course resulting in a well-rounded understanding of the major shifts in classical and contemporary literature.

**In addition to these courses, Atlantis Charter School may offer electives at the discretion of the district and based upon availability of highly qualified teachers for the content area. These courses will speak directly to student interest and will also be contingent upon scheduling availability.*

Mathematics

The Atlantis Charter High School Mathematics curriculum incorporates the Common Core State Standards for mathematics, which are included in the Massachusetts Curriculum Framework for Mathematics (<http://www.doe.mass.edu/frameworks/math/0311.pdf>). In addition to the graduation requirements, all students must pass the Grade 10 Math MCAS. In accordance with the Common Core Standards for Mathematics and its Standards for Mathematical Practice, goals of the ACHS Mathematics curriculum include improving students' ability to:

- Make sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically. Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

Grade**	Course	Honors Selection	Advanced Placement Selection
9	Algebra I	Honors Algebra I	Honors Geometry
10	Geometry	Honors Geometry	Honors Algebra II
11	Algebra II	Honors Algebra II	Honors Pre-Calculus/Trigonometry <i>or</i> *AP Pre-Calculus
12	Financial Algebra	Honors Pre-Calculus/Trigonometry	*AP Pre-Calculus <i>or</i> *AP Calculus (AB)

**Not offered during the 23-24 school year*

***As a reminder, grade standing is determined by credits a student has earned only*

Description of Courses

(02052) – Algebra I

Full Year Course

The objective of Algebra I is to give students an understanding of algebra by emphasizing concepts, structure, and applications. Topics include the real number system, number theory, algebraic expressions and sentences, linear and quadratic equations, inequalities, operations with polynomials, relations and functions, graphing equalities and inequalities, radical expressions, factoring polynomials, exponents, exponential, and rational functions, and solving systems of equations. Scientific calculators are used throughout the course.

(02052H) – Honors Algebra I

Full Year Course

The Honors Algebra I course is designed to deepen students' understanding of linear relationships by emphasizing patterns of change, multiple representations of functions and equations, modeling real world scenarios with functions, and methods for finding and representing solutions of equations and inequalities. These ideas provide a powerful set of conceptual tools that students can use to make sense of their world through mathematics.

(02072) – Geometry

Full Year Course

The focus of this course will be on discovery and realistic applications of geometric relationships and principles. Topics covered include: points, lines, planes, angles, midpoint and distance formulas, transformations, inductive and deductive reasoning, conditional and bi-conditional statements, algebraic and geometric proofs, transversals, parallel and perpendicular lines, slope, triangle congruence proofs, bisectors, triangular inequalities, the Pythagorean Theorem, types of quadrilaterals, ratios and proportions, similarity, trigonometric ratios, angles of elevation and depression, the Law of Sines and Cosines, and vectors. Throughout the course, we will also perform constructions, including but not limited to constructions of segments, angles, parallel and perpendicular lines, and regular polygons.

(02072H) – Honors Geometry

Full Year Course

Honors Geometry is an alternative to Geometry for highly motivated mathematics students. The greater depth and rigor of the course is intended to prepare students for success in Honors Algebra II and AP Calculus. This honors level course focuses on six critical areas: establish criteria for congruence of triangles based on rigid motions; establish criteria for similarity of triangles based on dilations and proportional reasoning; informally develop explanations of circumference, area, and volume formulas; apply the Pythagorean Theorem to the coordinate plane; prove basic geometric theorems; and extend work with probability.

(02056) – Algebra II*Full Year Course*

In addition to expanding the mathematical concepts of Algebra I, an emphasis is placed on preparation for study of higher mathematics. Topics include the complex number system, quadratic equations and inequalities, graphs of functions and relations, exponential, and logarithmic functions, modeling linear and quadratic data, and trigonometry. The function concept and algebraic solution to problems in various content areas is also included.

(02056H) – Honors Algebra II*Full Year Course*

In addition to expanding the mathematical concepts of Algebra I, an emphasis is placed on preparation for study of higher mathematics at an accelerated pace. Topics include the complex number system, quadratic equations and inequalities, graphs of functions and relations, exponential and logarithmic functions, sequences, and series, modeling linear and quadratic data, matrices and vectors, and trigonometry. The function concept and algebraic solution to problems in various content areas is also included. Graphing calculators are required for this course.

(TI-83 or TI-84 is recommended).

(02110) – Pre-Calculus*Full Year Course*

This course is for students who plan to take Calculus or a later college-level mathematics class. It includes topics in number patterns, sequences and series, equations and inequalities, functions and their graphs, inverses, and transformations, polynomial and rational functions, complex numbers, techniques in problem solving, exponential and logarithmic functions, triangular and circular trigonometry, trigonometric graphs, trigonometric equations, trigonometric identities and applications of trigonometry, polar coordinates, and limits and continuity.

(02110A) – AP Pre-Calculus*Full Year Course*

The AP Pre-Calculus course prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

(02110H) – Honors Pre-Calculus/Trigonometry*Full Year Course*

This course is designed for students who intend to take Calculus or go into a STEM field. This course will help nurture students' love and appreciation for mathematics by exploring functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, trigonometric

functions, trigonometric identities, polar and parametric equations, vectors, conic sections, and systems and matrices. This course also touches upon some calculus topics such as limit notation, finding limits graphically and algebraically, and finding derivatives using limits.

(02157) – Financial Algebra

Full Year Course

Financial Algebra is a year-long course designed to develop a strong foundation in logical thinking and problem solving that will enable students to make informative decisions regarding matters of money and finance in their daily lives. Students will be required to use mathematics frequently in their daily lives to make crucial decisions that will affect them and their family's lifestyles. This algebra based-course will focus on investing, banking, credit, income taxes, insurance, and household budgeting.

(02124A) – AP Calculus (AB)*

Full Year Course

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AB course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations.

Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. This is a college level full year course that meets five times per week.

**These courses run based on teacher availability and student enrollment*

Science and Technology

The Science department aims to teach students both the facts of science and the skill of thinking “like a scientist,” analytically and carefully thinking about each problem. Our students will become able to relate scientific principles to their own life and to continue to explore science concepts throughout their life and in public policy debates. For any student seeking a career in science, medicine, or engineering, we aim to give students excellent preparation for any required college science courses. Science also uses skills and content from many other disciplines: mathematical formulas, advanced vocabulary, and communication of ideas in precise, concise language. We aim for all our students to be able to use science knowledge and thinking skills for success in the 21st century.

By the end of high school, successful Science students at Atlantis Charter High School will be able to:

- Use higher order thinking to analyze real-world scientific problems
- Problem solve in the context of complex hands-on situations

- Communicate ideas and opinions by referring to scientific observations and experimental results
- Connect scientific theories to experiments and observations.
- Use formulas and mathematics to better analyze scientific problems.
- Produce strong scientific writing.
- Relate scientific principles to events and situations in their own lives

Grade**	Course	Honors Selection	Advanced Placement Selection
9	Biology 9	Honors Biology 9	N/A
10	Chemistry	Honors Chemistry	N/A
11	*Biology	*Honors Biology	AP Biology
12	Environmental Science	Honors Environmental Science	AP Environmental Science

**For the 23-24 & 24-25 school year Biology will be offered in place of Physics as we transition to a new layout*

***As a reminder, grade standing is determined by credits a student has earned only*

Description of Courses

(0305 I) – Biology 9

Full Year Course

Biology builds from middle school life science and aims to provide students with a thorough understanding of the four core ideas of Biology: From molecules to organisms: structures and processes, Ecosystems: interactions, energy, and dynamics, Heredity: inheritance and variation of traits, and Biological Evolution: unity and diversity. Students who successfully complete this course will develop critical science and engineering practices of developing models, constructing explanations, engaging in argumentation from evidence, and obtaining, evaluating, and communicating information.

(0305 IH) – Honors Biology 9

Full Year Course

The aims of the Honors Biology course are similar in nature but emphasize deeper inquiry into the four core ideas of Biology. Students who develop critical science and engineering practices of developing models, constructing explanations, engaging in argumentation from evidence; and obtaining, evaluating, and communicating information, will further explore these skills through independent inquiry, research in the medical paradigm, and rigorous case studies.

(03101) – Chemistry*Full Year Course*

Chemistry is an investigation of matter, structures, reactions, and changes. From the basics of atomic structure to a deeper understanding of the matter-energy relationships associated with a wide range of physical and chemical changes, students will use many tools to gain an understanding of the chemical world. Chemistry is an inquiry-based course in which computational work, observational skills, critical thinking, and clearly written explanations of technical processes and experiments are developed and honed by building an excellent foundation for further science exploration.

(03101H) – Honors Chemistry*Full Year Course*

Honors Chemistry is an investigation of matter, structures, reactions, and changes. A more advanced look at atomic structure to a deeper understanding of the matter-energy relationships associated with a wide range of physical and chemical changes, students will use many tools to gain an understanding of the chemical world. Honors Chemistry is an inquiry-based course in which computational work, observational skills, critical thinking, the writing of arguments related to specific chemistry content, and clearly written explanations of technical processes and experiments are developed and honed by building an excellent foundation for further science exploration.

(03151) – Physics*Full Year Course*

Physics involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

**Not offered in the 23-24 & 24-25 school year*

(03151H) – Honors Physics*Full Year Course*

Honors Physics further involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. This advanced study of physics includes examination of sound, light, and magnetic and electric phenomena.

**Not offered in the 23-24 & 24-25 school year*

(03056A) – AP Biology*Full Year Course*

This is an accelerated standards-based course, which meets the standards for Advanced Placement distinction as defined by the College Board. Content of the course is based on college level curricula and assessment, as well as lectures and laboratory exercises. Topics include biochemistry, cells, energy, cell division and reproduction, genetics, biotechnology, evolution, cell communication and ecology.

**Students who have already taken Biology are able to take AP Biology as one of their 3 required courses*

(03003) – Environmental Science

Full Year Course

Environmental Science builds from Physics, Chemistry, Biology, and middle school Earth Science. The course aims to provide students with a thorough understanding of ecology, human interactions with the environment, earth's resources, environmental policy, and sustainability. Students who successfully complete this course will develop critical science and engineering practices of developing models, constructing explanations, engaging in argumentation from evidence; and obtaining, evaluating, and communicating information.

(03003H) – Honors Environmental Science

Full Year Course

Honors Environmental Science builds from Physics, Chemistry, Biology, and middle school Earth Science. The advanced course aims to provide students with a thorough understanding of ecology, human interactions with the environment, earth's resources, environmental policy, and sustainability. Students who successfully complete this course will develop critical science and engineering practices of developing models, constructing explanations, engaging in argumentation from evidence; and obtaining, evaluating, and communicating information.

(03003A) – AP Environmental Science

Full Year Course

The AP Environmental Science course provides students with the scientific principles, concepts, and processes necessary to understand the interrelationships of the natural world. Students will analyze these concepts to develop and justify solutions to various environmental and social problems. This course enables students to learn how to assess the risks associated with these problems and evaluate alternative solutions for resolving and preventing them.

Social Studies and History

In our society, it is essential for individuals to be well-informed, active citizens who can make rational decisions and evaluate the world around them. The Social Studies Department at Atlantis Charter High School works to foster these values in our students so they can be ready to compete in the global economy. To meet these aims, students analyze and interpret various historical text, collaborate on projects, and draw comparisons to today through rigorous standards-based curriculum. The Social Studies Departments takes an interdisciplinary approach with an emphasis on literacy skills and performance-based data to complete the curriculum and prepare students for college and beyond.

By the end of high school, successful social studies and history students at Atlantis Charter High School will be able to:

- Communicate and collaborate effectively through reading, writing, and speaking
- Think critically and solve problems
- Possess a varied view of society and the world.
- Utilize technology in accordance with 21st century skills
- Demonstrate citizenship and the values of a democratic society

Grade*	Course	Honors Selection	Advanced Placement Selection
9	U.S. History I	Honors U.S. History I	N/A
10	U.S. History II	Honors U.S. History II	AP Human Geography
11	Topics of World History	Honors Topics of World History	AP US History
12	US Gov & Politics	Honors US Gov & Politics	AP US Gov & Politics

**As a reminder, grade standing is determined by credits a student has earned only*

Description of Courses

(04102) – United States History I

Full Year Course

In U.S. History I, students will study and evaluate the fundamental concepts of the early history of the United States. This course covers the time period of roughly 1754 to 1920. Students will begin their studies with the French and Indian War and end at the cessation of the First World War. In this course, students will examine the motivations for the American Revolution, the era of the Articles of Confederation, the basis for the U.S. republic, the framework of the U.S. Constitution, the establishment of political parties, the push for westward expansion, economic and social change, regional conflict, the Civil War, the Reconstruction era, the turn to modernity, the Industrial Revolution, Progressivism, and the United States' involvement in the First World War. Students will be required to read, interpret, analyze, and write about primary and secondary source historical information and documents in this course.

(04102H) – Honors United States History I*Full Year Course*

In Honors U.S. History I, students will study and evaluate the fundamental concepts of the early history of the United States with relative independence and engage with these concepts on a more intellectual level. This course covers the time period of roughly 1754 to 1920. Students will begin their studies with the French and Indian War and end at the cessation of First World War. In this course, students will examine the motivations for the American Revolution, the era of the Articles of Confederation, the basis for the U.S. republic, the framework of the U.S. Constitution, the establishment of political parties, the push for westward expansion, economic and social change, regional conflict, the Civil War, the Reconstruction era, the turn to modernity, the Industrial Revolution, Progressivism, and the United States' involvement in the First World War. Students will be required to read, interpret, and analyze primary and secondary source historical information and documents in this course. Students will also be required to integrate their understanding of these texts and documents through writing. By the end of the course, students will be able to analyze evidence, speak to themes of historical causation, continuity and change over time, and possess the ability to understand distinctions between periods of United States History.

(04103) – United States History II*Full Year Course*

In this course students will cover U.S. history from the year 1877 to the present, there will also be a review of major events in U.S. history prior to 1877. History should be more than just names and dates. Classroom activities will be centered on our academic values: question, dig, and create. Students will be empowered as historians to analyze, critique, and write histories that add to the continuously evolving body of historical scholarship. Through this historical work, they will develop transferable skills, including making effective arguments verbally and through writing, critiquing academic work, independently seeking evidence to support argument, and breaking down cause and effect of complex events.

(04103H) – Honors United States History II*Full Year Course*

Through complex and deep historical work, students in honors U.S. history will develop transferable skills, including making effective arguments verbally and through writing, critiquing academic work, independently seeking evidence to support argument, and breaking down cause and effect of complex events in a more college-level context. The course demands more reading and writing, but the spirit of the course is the same across honors and academic levels.

(04004A) – AP Human Geography*Full Year Course*

AP Human Geography introduces high school students to problems of economic development and cultural change, consequences of population growth, changing fertility rates, and international

migration, impacts of technological innovation on transportation, communication, industrialization, and other aspects of human life, struggles over political power and control of territory, conflicts over the demands of ethnic minorities, the role of women in society, and the inequalities between developed and developing economies, explanations of why location matters to agricultural land use, industrial development, and urban problems, the role of climate change and environmental abuses in shaping the human landscapes on Earth. The goal for the course is for students to become more geoliterate, more engaged in contemporary global issues, and more informed about multicultural viewpoints. They will develop skills in approaching problems geographically, using maps and geospatial technologies, thinking critically about texts and graphic images, interpreting cultural landscapes, and applying geographic concepts such as scale, region, diffusion, interdependence, and spatial interaction, among others. Students will see geography as a discipline relevant to the world in which they live; as a source of ideas for identifying, clarifying, and solving problems at various scales; and as a key component of building global citizenship and environmental stewardship.

(04256A) – AP Psychology

Full Year Course

AP Psychology is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation, and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

(04058) – Topics of World History

Full Year Course

This course provides a thematic survey of the major events in human history from the Enlightenment to current events. Examples of topics covered are revolutions, technology, and the impact of culture on history. Students will examine the major interactions and ideas that helped shape the modern world. Students will develop communication skills through analytical writing, reading, discussions, and presentations. They will be expected to think critically and examine primary sources. Students are expected to work collaboratively and independently. By the end of the year, students are expected to complete a research component in the class.

(04058H) – Honors Topics of World History

Full Year Course

This course provides an advanced thematic survey of the major events in human history from the Enlightenment to current events. Examples of topics covered are revolutions, technology, and the impact of culture on history. Each unit draws upon different dynamics of change and continuity through various primary and secondary sources which students will analyze in relation to the modern world. Students are expected to complete historical analysis by evaluating multiple perspectives and conducting evidence-based research. By the end of the year, students are expected to complete a

major research paper. Honors level coursework is designed for students who want an understanding of history beyond the regular curriculum. Material is taught at a quicker pace. The ability to work collaboratively and independently, as well as complete long-term assignments is a must.

(04104A) – AP United States History *Full Year Course*

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. history course. In AP U.S. History students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides seven themes that students explore throughout the course to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world; geography and the environment; and culture and society.

(04151) – United States Government & Politics *Full Year Course*

This course is an introduction to the basic concepts of the United States government, political process and the rights and responsibilities of citizenship. It is a full year course offered primarily to senior students. The topics covered in this course include: the purpose and function of government, types and structures of government, the roots of the democratic system, the functions of a republican government, the principles of US government, the formation of the US government, the US Constitution, the role and structure of the US government, the three branches of government and their functions/responsibilities, political parties, local and state government structure and processes, historic and current public policy issues, major supreme court cases that have shaped the US government, and voting and election.

(04151H) – Honors United States Government & Politics *Full Year Course*

This course touches upon the United States government, political process and the rights and responsibilities of citizenship. It is a full year advanced course offered primarily to senior students. The topics covered in this course include: the purpose and function of government, types and structures of government, the roots of the democratic system, the functions of a republican government, the principles of US government, the formation of the US government, the US Constitution, the role and structure of the US government, the three branches of government and their functions/responsibilities, political parties, local and state government structure and processes, historic and current public policy issues, major supreme court cases that have shaped the US government, and voting and election.

(04151A) – AP United States Government & Politics

Full Year Course

This rigorous college level course will include a study of background and events leading up to the creation of the American Republic and will analyze the political, social, and economic factors that have shaped the American Federal system of government from colonial times to the present. There is a strong focus on the close reading of the documents that have shaped our government's history. Topics of the course include the Age of Enlightenment, U.S. Government and Constitution, Federalism and the U.S. Congress, the Presidency and the Executive Branch, the Judicial Branch and the U.S. Legal System, Government and Economic Policy, Foreign Policy and National Security, Fundamental Freedoms and Individual Rights, Civil Rights and the Civil Rights Movement, Public Opinion and Interest Groups, Political Parties and the Electoral Process, and State Government.

**In addition to these courses, Atlantis Charter School may offer electives at the discretion of the district and based upon availability of highly qualified teachers for the content area. These courses will speak directly to student interest and will also be contingent upon scheduling availability.*

World Language

Communication and cultural competency are the goals at the heart of the program of studies developed by the foreign language department. Students who complete the foreign language curriculum at Atlantis Charter High School acquire language through a variety of engaging Comprehensible Input based activities and projects that help them gain proficiency in the main areas of reading, speaking, listening, and writing. Students also increase their knowledge of the world around them by learning about other Spanish speaking cultures and opportunities to use their skills both inside and outside of the classroom. Through performance-based assessments, students demonstrate their ability to communicate authentically, exchange ideas, and navigate the diverse 21st century world around them.

By the end of high school, successful foreign language students at Atlantis Charter High School will be able to:

- Follow instructions in the target language
- Narrate a story in the past and the present
- Summarize information in the target language
- Write notes, stories, and letters
- Appropriately greet others and respond to greetings
- Identify the elements of a story
- Ask and answer questions
- Compare and contrast his/her own culture to the culture of Spanish or French speaking countries

Grade*	Course	Honors Selection	Advanced Placement Selection
9	Spanish I <i>or</i> French I	N/A	Honors Spanish Literature & Adv. Grammar
10	Spanish II <i>or</i> French II	Honors Spanish II	AP Spanish Language & Composition
11	Spanish III	Honors Spanish III	
12	N/A	Honors Spanish IV	

**As a reminder, grade standing is determined by credits a student has earned only*

Description of Courses

(06101) – Spanish I

Full Year Course

This course is designed to introduce students to Spanish language and culture, Spanish I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

(06121) – French I

Full Year Course

Students will receive an introduction to the basic concepts of the French language and culture using all domains of language acquisition. French I emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions.

(06102) – Spanish II

Full Year Course

Spanish II builds upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students may explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

(06102H) – Honors Spanish II

Full Year Course

While the aims of the honors track of Spanish II are the same, the course fundamentally differs in that student develop a stronger sense of agency around their Spanish speaking abilities; students write and read Spanish much more independently. Additionally, students begin to transition to a Spanish course that is instructed increasingly more prevalently in Spanish, with more than half of the direct instruction and student work being delivered and completed in Spanish.

(06122) – French II

Full Year Course

French II builds upon skills developed in French I, extending students' ability to understand and express themselves in French and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of

sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students will receive a continued understanding to the basic concepts of the French language and culture.

(06103) – Spanish III*

Full Year Course

Spanish III is a year-long course which increases both linguistic skills in Spanish and knowledge about the culture of Spanish-speaking countries. The emphasis of the course is on learning the language and vocabulary most commonly used by native speakers, building reading, and listening comprehension, and improving written and spoken fluency. Class is conducted primarily in Spanish, and students are expected to interact with the teacher and each other in Spanish.

**Offered based on student enrollment/ teacher availability*

(06103H) – Honors Spanish III*

Full Year Course

While the aims of the honors track of Spanish III are the same, the course fundamentally differs in that students develop a stronger sense of agency around their Spanish speaking abilities; students write and read Spanish much more independently, and the course is conducted almost exclusively in Spanish.

**Offered based on student enrollment/ teacher availability*

(06104H) – Honors Spanish IV*

Full Year Course

While the aims of the honors track of Spanish IV are the same, the course fundamentally differs in that student develop a stronger sense of agency around their Spanish speaking abilities; students write and read Spanish much more independently, and the course is conducted almost exclusively in Spanish.

**Offered based on student enrollment/ teacher availability*

(24064A) – AP Spanish Language & Culture*

Full Year Course

Designed by the College Board to parallel third-year college-level courses in Spanish language, AP Spanish Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Spanish, both orally and in writing. These courses also help students understand and interpret written and spoken Spanish. In addition, students explore the culture of Spanish-speaking people in historical and contemporary contexts.

**Offered based on student enrollment/ teacher availability*

(06109H) – Honors Spanish Literature & Advanced Grammar

Full Year Course

The Honors Literature and Adv. Grammar class is designed for students who are native or heritage Spanish speakers (students who hear Spanish spoken at home daily and/or whose first language is Spanish)

The purpose and goals of Heritage Spanish Language Instruction are as follows:

- Maintain and continue growing our Spanish language abilities.
- Expand our bilingual range
- Transfer literacy skills
- Acquire or develop academic skills in the Spanish language
- Have a positive attitude towards both the Spanish language and the various dialects of its culture
- Acquire or develop more cultural awareness

The class instruction is all in Spanish; students are encouraged to use as much Spanish as possible. Community and communication are paramount in the class setting, so speaking in English or "Spanglish" when necessary is welcomed.

Elective Courses Offered

In addition to these courses, Atlantis Charter School may offer electives at the discretion of the district and based upon availability of highly qualified teachers for the content area. These courses will speak directly to student interest and will also be contingent upon scheduling availability.

**ACS offers electives in a semester rotation; electives are not guaranteed to run each semester.*

Art & Media

Arts & Media courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

Description of Courses

(05170) – Advanced Art

Half Year Course

Advanced Art, an exciting intensive course tailored for students with a passion for visual art. This upper-level course is designed to propel students beyond the basics, providing a platform for portfolio development and refinement of artistic skills. To ensure a strong foundation, prerequisite skills such as ability to draw from life, a comprehensive understanding of human anatomy, proficiency in character development and concept building, familiarity of 1- and 2-point perspective, and diverse knowledge of media usage are required. Admission to this course requires teacher recommendation and approval, ensuring that enrolled students are prepared for the challenging and enriching curriculum. Throughout the semester, students will be able to engage in personalized projects to contribute to the development of a professional-quality portfolio.

(05167) – Digital Photography

Half Year Course

Introduce basic features of digital cameras. Learn the works of key photographers and early history of photography. Explore different styles and techniques such as landscape photography, wildlife photography, and street photography. Course will outline how digital photos are processed into formats such as RAW or jpeg images. (Alison Learning Tool)

(05156) – Mixed Media Art*Half Year Course*

This course will go through different media at an introductory level as we cover small sections of each period of art with a themed project. In keeping with this attention on two-dimensional work, students typically work with several media (such as pen-and-ink, pencil, chalk, and so on this course will be a starting ground for everyone to learn more about different techniques while incorporating art history into the mix!

(11056) – Perspectives in Cinema*Half Year Course*

This course offers a deep dive into the world of cinema, providing a thought-provoking exploration of film as an art form, cultural artifact, and powerful storytelling medium. The course is structured to cover key elements of film analysis, including cinematography, editing, sound design, and narrative structure. Students will develop a critical understanding of the techniques and tools filmmakers use to convey meaning and evoke emotions through a curated selection of iconic films from various genres, cultures, and time periods, allowing students to examine diverse cinematic styles and storytelling approaches. Through class discussions, screenings, and hands-on activities, students will hone their analytical skills and learn to articulate their interpretations of films with clarity and depth.

Communications

Communications courses focus on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

Description of Courses

(01148) – Professional Communications*Half Year Course*

Want to get your career started right now? In the professional communication elective you will learn about workplace communication, public speaking, and creating a professional resume using Canva. This course emphasizes the practical application of communication as a business tool—using technical

reports and manuals, business letters, resumes, and applications as examples—rather than emphasize language arts skills as applied to scholarly and literary materials.

(11153) – Yearbook/Copy Design

Half Year Course

Offered to Juniors (spring) & Seniors (fall). Introducing basic features of Jostens Yearbook Software. Looking at newspaper and other copy design layouts. Course will outline how digital photos are processed into formats such as RAW or jpeg images.

(60201) – Web Design

Half Year Course

Did you know you can make a living using websites? You can! The Web Design elective can get you started. In this course, you will learn how to design your own website, and develop a professional brand.

Health & Wellness Electives

The Physical Education/Health department seeks to establish a program of study that continually strives for students to master the main domains of both physical education and health. Speaking to physical education specifically these domains include: sequential motor skills, personal wellness, life-long physical activities, and developmentally appropriate fitness benchmarks

Students who complete the Physical Education/Health curriculum at Atlantis Charter High School will become life-long physically active adults that possess an intrinsic motivation to maintain their physical, social, emotional, and mental health. The Physical Education/Health department will, undoubtedly, foster strong interpersonal skills through team play and problem solving. More specifically in health education students will develop and understanding of how their immediate decisions can affect both their short-term and long-term health. All of these tasks, combined, will allow our students the opportunity to become productive members of our 21st century world.

Description of Courses

(08049) – Health/ Physical Education I

Half Year Course

Required course to be taken once during a student's freshman or sophomore year. A prerequisite to our Physical Education Elective course. Students will be introduced to the importance of physical activity as well as the culture, norms, and expectations of physical education classes. High and low impact activities will include; team sports (ex. field hockey), individual or small group games (ex. bocce), net games (ex. badminton), and fitness (ex. walking).

(08001) – Physical Education**Half Year Course & Full Year Course*

Must see a successful completion of Health/Physical Education I to be eligible for this course. Students will expand upon the importance of physical activity as well as the culture, norms, and expectations of physical education classes. A deeper understanding of teamwork, competition, and game etiquette will be established within a variety of games and activities such as; team sports (ex. field hockey), individual or small group games (ex. bocce), net games (ex. badminton), and fitness (ex. walking).

**Offered in both Half-year and Full-year options*

Music Electives

Music courses prepare students to express themselves through creating music. These courses may use conventional or nonconventional notation and may include harmonization in addition to melody writing. Along with musical instruments, students may also use computers for creating music. Throughout many of the courses, students survey different musical styles and periods with the intent of increasing students' understanding of music and its importance in relation to the human experience.

Description of Courses

(05114) – Introduction to Music Theory*Half Year Course*

The Music Theory course is designed as an introduction to basic music and music reading fundamentals. Students will learn about the essential aspects of melody, harmony, rhythm, and form. Throughout the course students will study basic notation, scales, key signatures, intervals, triads, cadences, non-chord tones, and form. Musical skills will be developed through listening exercises, sight-singing examples, and an exposure to a variety of musical styles.

(05120) – Songwriting & Production*Half Year Course*

This course is designed to give students a chance to explore songwriting and music production. They will develop skills in working with software along with songwriting techniques. Over the course of the semester, students will learn about different musical genres, complete at least three songs, and apply techniques used in live performances to achieve professional sound results.

Science & Math Electives

Science & Math Electives allow students to explore STEM topics of interest, using advanced methods of scientific inquiry and mathematical computation. These courses may be offered in conjunction with other rigorous science/mathematics courses or may provide students with an opportunity to explore a topic of special interest.

Description of Courses

(03054) – Anatomy *Half Year Course*

This course relates to the study of human anatomy and physiology. Students will develop a basic understanding of the structure and function of the body organs, systems, and their interactions. This course is composed of didactic and practical components and will include an anatomy research component.

Social Sciences Electives

Social Science courses provide students with an introduction to the various disciplines in the social sciences, including anthropology, geography, history, political science, psychology, and sociology. Typically, these courses emphasize the methodologies of the social sciences and the differences among the various disciplines.

Description of Courses

(03054) – Criminal Justice *Half Year Course*

Students are introduced to the legal foundations and processes, and the principles, techniques, and practices for exploring careers within the criminal justice system. This course will explore the principles and structure of the justice system and the law, and includes investigation, search and arrest, and laboratory, forensic, and trial procedures.

(04201) – Economics *Half Year Course*

Economics is the study of how different economies make choices to use the resources that they have. In this Economics elective, students will study all of the following topics: Investing (stocks & bonds), types of economic systems, supply & demand, health of the economy (GDP, inflation, interest rates),

and the Federal Reserve Bank and monetary policy. Students will gain a better understanding of how to make better choices to optimize their wealth. The class will involve lecture and class discussions, individual and group work, projects and quizzes.

(04306) – Philosophy

Half Year Course

The Philosophy course introduces students to the discipline of philosophy as a way to analyze the principles underlying conduct, thought, knowledge, and the nature of the universe. Course content includes examination of the major philosophers and their writings.

(04061) – Hispanic Studies

Half Year Course

The course examines Hispanic culture, history, society, and geography. Students will study in-depth the cultural and ethnic distinctions that exist between Latin-American countries, both historical and contemporary. This course will emphasize critical thinking, writing, and analysis. Current events and issues in the Latin American world will be incorporated.

Theater/ Fine Arts Electives

Theater/ Fine Arts courses provide an overview of the art, conventions, and history of the theater. Although the courses may include experiential exercises, they emphasize learning about the theater rather than performance. Students learn about one or more of the following topics: basic techniques in acting, major developments in dramatic literature, major playwrights, the formation of theater as a cultural tradition, and critical appreciation of the art. These courses may also explore other aspects of theatrical production such as technical aspects, costume, makeup, and so on.

Description of Courses

(05051) – Acting I

Half Year Course

This introductory course will provide students the opportunity to learn about the fundamentals of acting through hands-on projects and activities. Students will get on their feet and play acting games, work on group scenes and projects together, and learn a little about the history of theater. Learn how to read plays, create masks based on Ancient Greek actors, act out stories using only facial expressions and body language, create your own idea for a musical, make props out of recycled material, and more in this group and project centered class.

(05052) – Acting II *Half Year Course*

This course is for students who are interested in developing their acting skills further and have already successfully completed the Acting I course. Students will study plays and perform monologues and group scenes from different genres and styles of plays. Learn more about the techniques actors use and famous playwrights that have shaped American Theatre. This class requires students to work with groups often and to participate in class performances and projects.

(05053) – Technical Theater *Half Year Course*

This course introduces students to the behind the scenes elements of putting on a play! Students will learn about different technical elements of theater including: makeup design, prop design, set design, lighting design, costume design and more. Students will also get the opportunity to work on backdrops and create props and other pieces needed for the school play. This class is project based and will require students to work in groups often.

Career Academy Courses Offered

At the center of the Atlantis Charter High School is the belief that our students will graduate with a strong sense of college and career readiness that will allow them to proceed on into their postgraduate careers with great success. To achieve this, ACHS has developed the Career Academy curriculum to allow students to discover an area of academia that truly interests them through true experiential learning. Students will spend their first year of High School exploring all 5 Academy Content Areas. Students will self-select the academy best suited to them by the end of their freshman year.

Students will enroll into one of five Pathway Specific Career Academies beginning Sophomore year.

The Career Academies include:

- Media Arts Academy
- Teaching and Social Services Academy
- Science and Technology (STEM) Academy
- Medical Health Care Academy
- Business Entrepreneurship Academy

Given the uniqueness of this structure, a summary of each academy can be found below in lieu of a yearly program of study. Innovation Pathways connect student learning to a broadly defined industry sector that is in demand in the regional and state economy, and guide students to relevant post-secondary education and training. In ACS Career Academies students will receive the opportunity

to complete field trips, community outreach, and engage in work-based learning opportunities within the field as available with our coalition partners. By the end of high school, successful Career Academy students at ACS will be able to develop an academic and professional plan through My Career and Academy Plan (MYCAP) performance standards. Students will apply their acquired knowledge and field experiences to complete a Capstone Project in their final semester.

The ACS Career Academy is specifically geared for students to confidently pursue opportunities in higher education and/or Career Pathway.

Grade	Course
9	Career Academy I
10	<i>Selected Academy</i>
11	<i>Selected Academy</i>
12	<i>Selected Academy</i>

**As a reminder, grade standing is determined by credits a student has earned only*

Description of Courses

(22151) – Career Academy I

Full Year Course

Students will begin to explore avenues in which they can find successful careers and develop lifelong soft skills as purposeful citizens. This will be accomplished by exploring occupations through examination and research, project-based learning, school-based industry, and meaningful work-based learning opportunities.

Media Arts Academy

Students will develop skills in critical listening and elements of music theory. The history of mainstream music genres throughout the 20th century is a primary focus. Discussion and analysis of current pop music industry trends. Introducing basic features of digital cameras. Learn the works of key photographers and early history of photography. Explore different styles and techniques. Course will outline how digital photos are processed into formats such as RAW or jpeg images. Students will learn the basics of effective visual design and visual communication through activities using Adobe Creative Cloud software like Photoshop and Illustrator. Focuses on digital photography, video production,

animation, as well as graphic design and typographic principles. Students will explore integrating their photography into design projects of moderate and increasing complexity and produce complex video projects that include animated characters, motion graphics, and sound. Overall emphasis is on the development of strong visual concepts that communicate effectively. Course refines all multimedia production skills; the Capstone Project will prepare students for post-secondary education or entry level employment in the multimedia technology industry. Students are responsible for the entire production of music video or digital advertisement as part of individual creative projects, a demo reel for employment or college entrance.

Semester 1	Semester 2
Photography	Screenwriting and Digital Media
Video Production	Broadcast Media
Creative Marketing	Media Arts Capstone

Description of Courses

(051672) – Photography *Half Year Course*

Introduce basic features of digital cameras. Learn the works of key photographers and early history of photography. Explore different styles and techniques such as landscape photography, wildlife photography, and street photography. Course will outline how digital photos are processed into formats such as RAW or jpeg images. (Alison Learning Tool)

(11051) – Screenwriting and Digital Media *Half Year Course*

This introductory course is designed for students eager to explore the art of crafting compelling narratives for film, television, and digital platforms. Throughout the semester, you will embark on a creative journey that blends the fundamentals of screenwriting with the dynamic landscape of digital media production. By the end of this course, you will have not only honed your screenwriting skills but also gained a practical understanding of how to adapt stories for the digital realm.

(11056) – Video Production*Half Year Course*

Step into the exciting realm of visual storytelling. This course is designed for students to explore the foundations of video creation, from conceptualization to the final edit. Through hands-on experiences and theoretical discussions, you will develop essential skills to bring your creative vision to life on the screen. Through this course, you will gain a solid foundation in video production, enabling you to confidently approach the creation of your own video projects.

(11103) – Broadcast Media*Half Year Course*

This course is an exploration of the diverse world of broadcast media. This introductory course provides a foundational overview of key aspects of broadcast media including, broadcast journalism, sitcoms, network dramas, radio, podcasting, and content creation. By the end of this course, you will have a solid foundation in broadcast media, providing you with the essential skills and knowledge to explore further in this dynamic field.

(12151) – Creative Marketing*Half Year Course*

Unleash your creativity and entrepreneurial spirit. This is an engaging course designed to introduce students to the creative side of the dynamic world of marketing. This course provides a hands-on exploration of the principles and strategies that drive successful marketing campaigns in today's ever-evolving landscape and the creative minds behind how they look. Through this course, you will acquire practical skills in creative marketing, empowering you to think critically, innovate, and communicate creatively.

(22502) – Media Arts Capstone*Half Year Course*

The Senior Capstone course is an opportunity for students to explore their own creativity through a semester-long independent project where students can explore their desired field within the Media Arts. Students will be guided through the process of designing, producing, and presenting their work while being given the independence to conceive their own creation and produce a higher level of work.

Business Academy

This academy is designed to cover topics of Personal Finance, such as earning money; spending money wisely through budgeting; saving and investing money; using credit cautiously; and protecting one's personal finances. Students will be able to recognize the fundamental elements of smart personal finances. They also will be able to apply those elements to a personal financial plan that allows them to set specific goals for their lifelong financial needs and desired quality of life. Program concepts include

budgeting, compound interest, consumer protection, credit reports and scores, and other related topics. Students will develop an understanding of working within a team to achieve common business goals.

Semester 1	Semester 2
Personal Finance	Business Management
Economics	Business Marketing
Business Law & Ethics	Business Entrepreneurship Capstone

Description of Courses

(12051) – Personal Finance

Half Year Course

In Personal Finance, students will gain an understanding of the concepts involved in managing their own money and becoming financially independent. Topics for this course include Banking, savings, and checking accounts, establishing and maintaining credit, calculating wages and taxes, insurance, and budgeting. Mini units involving paying for college and buying a car are also covered. Lessons include lecture and group discussion, individual projects, classwork activities and quizzes.

(12052) – Business Management

Half Year Course

In this introductory Management course, students will gain an understanding of the planning, staffing, financing, and controlling functions within a business. Some of the key topics will be pricing and selling strategies, business decision making, and human resources. Students will work on individual projects and classwork, class discussions and research.

(04201) – Economics

Half Year Course

Economics is the study of how different economies make choices to use the resources that they have. In this Economics elective, students will study all the following topics: Investing (stocks & bonds), types of economic systems, supply & demand, health of the economy (GDP, inflation, interest rates), and the Federal Reserve Bank and monetary policy. Students will gain a better understanding of how to make better choices to optimize their wealth. The class will involve lecture and class discussions, individual and group work, projects, and quizzes.

(12152) – Business Marketing

Half Year Course

In Marketing, students will learn the concepts included in getting the right products to the right consumers. Topics include seven key marketing concepts, target market segmentation, branding, promotion & advertising, the 4 P's of marketing, and an introduction to merchandising. Students will work on many individual and group projects applying the knowledge that they have learned using critical thinking skills. Presentations will also be required for this class.

(04164) – Business Law & Ethics

Half Year Course

In Law & Ethics, students will learn the legal side of running a business. Students will study business ethics in depth including analyzing different business scenarios. Other topics include employment contracts, code of ethics, conduct and employee handbooks, types of business ownership, licenses and permits required for different types of businesses, and intellectual property protection. This class will include lecture and class discussion, individual projects, and research.

(22502) – Business Entrepreneurship Capstone

Half Year Course

Creating a Business Plan is a critical step in building a business. It helps entrepreneurs create a clear vision and direction of what their product or service business will look like.

For the Business Career Academy Capstone, students will create a mock business and compile all the necessary documents for an entire business plan. They will take all that they have learned over the past year and a half and research required information to open a business. Students will print out all the documents and compile them into a bound book to look extremely professional. In addition to completing the business plan, students will prepare a slide presentation with all their business plan documents. They will then present their business plan presentations to the class and potentially in the evening with their families present.

Medical Academy

Medical Academy students will explore the different professions within healthcare such as titles, focus, and roles and responsibilities. Ethical and Legal Responsibilities in addition to Patient Communication, Language of Healthcare and Medical Terminology are at the forefront of the Medical Academy framework. Students will be introduced to Anatomy & Physiology including the study of Body Systems and overview of the Musculoskeletal System. Students will be exposed to interviewing patients & recording Health History as a part of assessing patients (Basics). In connecting students to hands-on experiences and working through problem solving through the access of Simulation Machines. All Medical Academy students will finish the Life Science Pathway with CPR, First Aid, and AED certification as well as other credentials.

Semester 1	Semester 2
Fundamentals of Healthcare I	Fundamentals of Healthcare II
Patient Assessment	Critical Stress Management
Body System Application	Medical Healthcare Capstone

Description of Courses

(14204) – Fundamentals of Healthcare I

Half Year Course

This course will provide students with an orientation to the health care industry and help refine their health care-related knowledge and skills. Topics covered include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities.

(142042) – Fundamentals of Healthcare II

Half Year Course

This course is a continuation of the fall semester “Fundamentals of Healthcare I”. Topics covered will include (but are not limited to) an overview of health care delivery; patient care, including assessment of vital signs, body mechanics, and diet; anatomy and physiology; identification and use of medical equipment and supplies; medical terminology; hygiene and disease prevention; first aid and CPR procedures; laboratory procedures; and ethical and legal responsibilities.

(14202) – Patient Assessment

Half Year Course

This course will enable students to develop knowledge and skills that combine the medical and clerical fields. Students typically develop skills such as patient exam preparation, assessment of vital signs, routine lab procedures, medical transcription, financial accounting, patient and insurance company billing, and record-keeping.

(03054) – Critical Stress Management

Half Year Course

This course relates to the study of human anatomy and physiology. Students will develop a basic understanding of the structure and function of the body organs, systems, and their interactions. This

course is composed of didactic and practical components and will include an anatomy research component.

(03067) – Body System Application

Half Year Course

This course will place a special emphasis on the knowledge and skills needed in medical emergencies. Topics will include clearing airway obstructions, controlling bleeding, bandaging, methods for lifting and transporting injured persons, simple spinal immobilization, infection control, stabilizing fractures, and responding to cardiac arrest. The courses may also cover the legal and ethical responsibilities involved in dealing with medical emergencies.

(22502) – Medical Healthcare Capstone

Half Year Course

The Senior Capstone course is an opportunity for students to explore their learning through a semester-long independent project where students can explore their desired field within the Medical Field. Students will also be given the opportunity to shadow health professionals in the field and get involved in learning hands-on skills. Students in the capstone class present their experience to their cohort at the end of the quarter.

STEM Academy

The STEM academy is designed for students with an interest in developing a strong fluency in contemporary science and math practices. Students will draw upon their formal knowledge in these content areas. The main focus of these foundation courses is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students use industry standard 3-Dimensional modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community CAD (Computer Aided Design) is an essential tool for all engineers and designers. The use of 3D modeling software is ingrained in the development of much of the world around us, including the phones in our pocket to the homes we live in. OnShape is a web-based CAD program that is extremely versatile and gives students a great foundation for learning to 3D model. Once models are created students will begin to utilize the 3D printer to bring their projects into the real world. STEM students will learn to build fully functioning robots, use motors and sensors to control them, and program them using National Instruments Engineering-based icon language that's used widely in industry. As they work with the latest in educational robotics, students apply basic principles of algebra and geometry while learning about energy, force, speed, power, simple machines, complex mechanisms, coordinate systems, measuring, and more.

Semester 1	Semester 2
Intro to Engineering Design I	Introduction to Engineering Design II
Coding	Manufacturing
Robotics	STEM Capstone

Description of Courses

(10011) – Introduction to Computer Science

Half Year Course

Following Project Lead the Way’s suggested curriculum, PLTW Introduction to Engineering Design courses provide an opportunity for students to become involved in hands-on projects that require mathematics, science, and engineering applications. In these courses, students review problems, document work in an engineering notebook, and design solutions using 3D modeling software.

(100112) – Integrated Design

Half Year Course

In this second semester course of the STEM Career academy progression, students will continue following Project Lead the Way’s suggested curriculum, PLTW Introduction to Engineering Design courses provide an opportunity for students to become involved in hands-on projects that require mathematics, science, and engineering applications. In these courses, students review problems, document work in an engineering notebook, and design solutions using 3D modeling software.

(10152) – Coding

Half Year Course

In Coding, students will become familiar with programming in both Python and JavaScript languages. Students will learn basic commands and functions, how to manage and import data, and how to add input and user control to programs. Students in the coding course will create both their own video game and Android app.

(13002) – Manufacturing

Half Year Course

In Manufacturing, students will become familiar with career paths in fabrication and manufacturing. They will develop skills and knowledge of the tasks, equipment, and processes involved in modern

manufacturing. Students will become proficient in the use of hand and power tools, CNC machines, and extrusion molding processes.

(21009) – Robotics *Half Year Course*

The Robotics course develops and expands students’ skills and knowledge so that they can design, assemble, and control robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

(22502) – STEM Capstone *Half Year Course*

In the STEM Capstone, students will develop a proposal for a project involving skills from their engineering, coding, manufacturing, and robotics courses. Students will research all necessary components and materials, create a roadmap for their work, and design and execute their project. STEM Capstones will involve skills developed throughout all 3 years of STEM Academy.

Teaching/ Social Services Academy

Students will receive basic instruction in several areas, such as lesson planning, classroom management, and overall curriculum delivery. Teaching & Social Service students will be exposed to the historical elements of Social Services by identifying Social Service Careers. Teaching & Social Services courses include current strategies for supporting youth, developing effective listening skills, and maintaining a safe environment. Students will explore physical, social, emotional and intellectual development of children as well as explore statistics and causes of trauma in relation to learning. Identify different types of learners and apply technical skills to provide interventions, create 504, ELL plans. Students will attain Youth Mental Health First Aid Certification and participate in Mandated Reporter Training.

Semester 1	Semester 2
Introduction to Teaching	Introduction to Social Service
Principles of DEI	Teaching Application
Social Service Application	Teaching/Social Service Capstone

Description of Courses

(19151) – Introduction to Teaching

Half Year Course

In this course the sophomore students will learn the beginning stages of becoming a teaching professional at the elementary level. Students will be tasked with completing assignments like, lesson plans, creating appropriate skill level assignments, understanding state standards, and demonstrating positive communication in a professional setting. Some activities included in this class are group projects, role-playing, lesson planning, reflections, assessments, and a guest-speaker talk series.

(19301) – Introduction to Social Services

Half Year Course

This course introduces sophomore students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology. Some activities included in this class are group projects, role-playing, lesson planning, reflections, assessments, and a guest-speaker talk series.

(19154) – Principles of DEI

Half Year Course

In this course junior students will examine the history, politics, economics, society, and/or culture of one or more of the racial/ethnic groups in the United States. These courses may focus primarily on the history of an individual racial/ethnic group or may take a more comprehensive approach to studying the contemporary issues affecting racial/ethnic groups overall. Some activities included in this class are group projects, role-playing, lesson planning, reflections, assessments, and a guest-speaker talk series.

(19151E) – Teaching Application

Half Year Course

In this course students will be introduced to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education. Some activities included in this class are group projects, role-playing, lesson planning, reflections, assessments, and a guest-speaker talk series.

(19199) – Social Services Application

Half Year Course

In this course senior students will be introduced to the study of human behavior in society. This course provides an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society. Some activities included in this class are group projects, role-playing, lesson planning, reflections, assessments, and a guest-speaker talk series.

(22502) – Teaching/ Social Service Capstone

Half Year Course

Senior students will have the opportunity during the final period of the day to participate in a rigorous capstone project consisting of at least 100 hours to meet the requirements of the Innovative Pathways programming. The students that chose to participate in the internship will work with the Lower School teachers and staff to assist as a teaching assistant with elementary students.

Transfer Grade Calculator

Name: _____

Date: _____

Portion of Quarter Missed: $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$

Class: _____

Level: _____

Numerical Grade from Previous School: _____

X < 50 = Round up to a 50

50 < X < 60 = Round up to a 60

60 < X = Stay as is

Numerical Grade from assignments at ACS: _____

Formula:

(Previous School Grade **X** Portion missed)

+

(ACS Grade **X** [1 - Portion missed])

Quarter Grade: _____