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2026-2027 Policies & Procedures Course Catalog

Mission Statement

The mission of Friendship Public Charter School is to provide a world-class education that motivates students to achieve high academic standards, enjoy learning and develop as ethical, literate, well-rounded and self-sufficient citizens who contribute actively to their communities.

Core Values

Integrity	Be honest and fair to others.
Responsibility	Choose right over wrong; accept consequences for your actions.
Confidence	Know that you can achieve.
Caring	Help others.
Commitment	Find your purpose, and stay true to it.
Patience	Face problems with understanding, not anger and violence.
Persistence	Do not allow anyone, not even you, to steer you off the road to success; be determined to achieve.
Respect	Hold others in high regard and understand that you can learn from them. See each person's value.

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Overview

The "Framework for the Guidance Department" envisions a school counseling program supporting all students in their educational, career, personal and social development thus enabling them to become life-long learners and productive citizens in our communities and around the world.

The Role of the School Counselor:

- To counsel with students individually and in small groups
- To present developmental lessons in the classroom and in small groups
- To serve as a student advocate
- To consult with teachers, administrators, school support personnel, parents and business/community agencies
- To participate in school meetings
- To work with parents in teaching effective parenting skills, creating a positive environment, and encouraging parent participation
- To provide staff development in identified areas of need and in orientation to the school counseling program
- To provide leadership in career development of all students
- To coordinate school activities pertaining to the school counseling program
- To facilitate the evaluation of the school counseling program.

Students and/or Parents may make an appointment to see a counselor by filling out an appointment request in the guidance department suite before school, lunch, or after school. Students and parents are urged to utilize e-mail and voice messaging to contact counseling staff. The Guidance Department will also schedule parent-teacher conferences when all of the student's instructors are available to attend. However, if a parent wishes to meet with a single teacher, the parent should contact that teacher individually.

Grading Scale

All students are encouraged to maximize their learning opportunities by enrolling in rigorous courses that help them reach their full academic potential. In deciding a course of study, it helps to understand exactly how course performance relates to grade point average (GPA) and class ranking. Equally important is the value of rich curricular experiences that allow students to position themselves for success beyond high school. In order to encourage and reward students for completing upper level courses, grades for such courses are weighted according to the following scale:

GRADING INFORMATION

Percent	Letter Grade	Academic	Honors Weights	AP & DE Weights
93%	A	4.0	4.0	4.0
90%	A-	4.5	4.5	4.5
87%	B+	5.0	5.0	5.0
83%	B	3.7	3.7	3.7
80%	B-	4.2	4.2	4.2
77%	C+	4.7	4.7	4.7
73%	C	3.3	3.3	3.3
70%	C-	3.8	3.8	3.8
67%	D+	4.3	4.3	4.3
63%	D	3.0	3.0	3.0
60%	D-	3.5	3.5	3.5
Below 60%	F	4.0	4.0	4.0

Please note that Advanced Placement (AP), Dual Enrollment (DE) and Honors Placement Courses are weighted differently. Honors courses receive an additional 0.5 GPA point and AP and DE courses receive an additional 1.0 GPA point.

Grade Changes

To request a grade change, teachers should complete a Grade Change Justification Form and get approval from the principal. Grade changes will not be honored unless the form is properly completed and signed by the teacher and principal. Grade change requests must be submitted within twenty-one (21) days of the following quarter or within 21 days of the end of the school year. All grade changes are made by the Student Information Office.

Incomplete Grades

Students who have not completed requirements for a course due to an approved circumstance, will receive an incomplete grade. To meet eligibility requirements, grades must be corrected within twenty-one (21) days after the end of each quarter. If a grade change form is not submitted, an automatic failing grade of F will apply. It is the student's responsibility to meet with the teacher to obtain the required assignments necessary to complete the course.

Progress Report

A progress report is mailed to the parent four and a-half weeks into each quarter, for a total of four times each academic year. Parents/guardians have an opportunity to meet and confer with the teachers of their children and to pick up their children's progress report at the midpoint of 1st, 2nd, 3rd and 4th marking periods. Weekly progress reports are available for students experiencing academic difficulty. The progress report is given to parents on a weekly basis to sign and return to the Guidance Counselor. Students utilizing this method of reporting are required to hand carry the report to their individual teachers. Students who are in danger of failing will be provided with academic intervention resources.

Report Cards

A formal report card is issued at nine-week intervals. A report card bearing the final grade for each course is provided to parents at the end of the eighteen-week semester period. The semester or final grade is the only grade that appears on the student's high school transcript and determines whether the student passes and receives credit for the course. Each semester course passed earns credit toward completing graduation requirements. The student does pass or fail each semester

independently; only the final grade for the year is counted for two- semester courses. The transcript is the student's official record, not the grade report. **It is mandatory for a parent/guardian to attend the Quarterly Learning Conference that occurs at the end of each nine-week interval.**

Promotion
The total number of credits earned by a student at the beginning of the academic year determines grade level placement/classification for that year. Guidance counselors will review students' transcripts and reclassify students during the conclusion of the spring semester and Summer school for proper classification.

- Promotion to 10th Grade - Student must have successfully completed at least six (6) credits, including English, math, science, social studies and two (2) electives/other classes
- Promotion to 11th Grade - Students must pass and receive prerequisite credits in the following courses: Math, English, Science, Social Studies and two (2) electives/other classes.
- Promotion to 12th Grade - Students must pass and receive prerequisite credits in the following courses: Math, English, Science, Social Studies and two (2) electives/other classes.

The aforementioned promotion criteria apply to students with disabilities who receive special education in an inclusion setting and related services. Prior to retaining a student with a disability, the special education team (including relevant teachers and administrators from the school and from the Community Office) will convene to review each student's performance and progress toward meeting their individualized education program (IEP) goals. A student with a disability who is on the IEP certificate track, will not receive a diploma and will follow a different course of study (*see p.11*).

Class Rank
Class rank is a numerical ranking that indicates a student's academic performance compared to the rest of their graduating class. Class rank is based on the student's cumulative grade point average, which is a weighted average of their final semester and end of year grades throughout high school.

Note: Friendship Online and Friendship Collegiate students are ranked together but Friendship Tech Prep students are ranked separately.

Seniors Failing to Meet Gradation Requirements
Students who complete graduation requirements over the summer can participate in the summer graduation exercises. Students taking courses outside of Friendship must submit final grades from the attending school before the deadline for summer school graduation.

Transfer Students
A student transferring to a Friendship high school will be enrolled only with an official transcript or report card and upon completion of a comprehensive transcript audit conference with a guidance counselor. In addition, the student information manager will contact the student's previous school to verify the accuracy before a student is officially admitted. Transfer students must complete 100 hours of community service in order to receive a diploma.

Transfer Credits from Middle School
A student will only receive high school credit for the course if the student has a passing grade of a B or higher in Algebra I and Spanish I.

NCAA Clearinghouse
The NCAA Clearinghouse is an organization that determines a student athlete's eligibility for athletics participation in his or her first year of college enrollment. The NCAA Clearinghouse evaluates the student's transcript to determine if a student is eligible to participate at a Division I or II college as a freshman student-athlete. Students must register and be cleared through the NCAA Clearinghouse in order to play at a Division I or II college. The NCAA recommends that students register during their junior year. Students must request official transcripts be sent to the NCAA upon initial registration and again after graduation. **Students who seek NCAA eligibility or are cleared for NCAA eligibility, cannot enroll in competency-based courses or courses with pretests.**

Student Schedule

Registration
To aid in making decisions on course selections, students are provided registration guidelines, a course description catalog, transcript, graduation requirements checklist, and registration form. Counselors and teachers may provide additional information about specific courses. Parents and students are encouraged to review the information and attend career fairs to make careful decisions when selecting courses. The Guidance Department is open during the summer to assist students with schedule changes.

Schedule changes are not permitted beyond the sixth day of the semester and will only made for the following reasons:

- Duplicate Course
- Credit already received for the course during Summer School or Saturday School
- Course prerequisites are not met
- Incorrect course sequence
- Courses needed for graduation
- Academy change
- Missing a class/Incomplete schedule

Students requesting a *Schedule Change* should complete a *Schedule Change Form* which can be obtained from the Guidance Counselor.

Transcript Request
Students who need a copy of their transcript should complete a *Transcript Request Form* available in the Registrar's Office. Please allow a 48-hour period maximum to process requests related to transcripts, scholarships, college applications, recommendations, etc. The Guidance Department is not responsible for mailing out transcripts or other documents that are requested by students. The Guidance Department will only take responsibility for transcript and record requests that are made directly from a college or university.

CREDIT RECOVERY

Friendship PCS offers its high school students the opportunity to recover credit for a course previously failed through virtual or in-person courses. Students must be approved for credit recovery before being enrolled in a course and must adhere to all school policies while enrolled in the following credit recovery options.

After School/Summer School/Saturday School

Friendship high schools will offer after school, Saturday, and summer classes for those students who need academic coursework, skill training, or remedial instruction. Students may also take courses for advancement and enrichment purposes. Students are required to make up graduation requirements and to keep up with their program of study by attending after school, Saturday school, or summer school to recover credits. Please note, students attending credit recovery programs external to Friendship PCS must have **prior approval** in order for credit(s) to be accepted.

After School/Summer/Saturday School grading, attendance, and dress code requirements are consistent with the regular school year policy.

The final grade earned in After School/Saturday/Summer School, as well as the failing grade in the course, will appear on the student's transcript and included in the student's grade point average (GPA) calculation. All student information and grades are stored in Friendship PCS' student information system, as well as in the student's cumulative record.

Independent Study

Independent Study courses are available only for senior students. A student may not carry more than one Independent Study per semester and may not apply for more than three credits towards graduation requirements.

The student must meet with the Parent, Guidance Counselor, Principal and any applicable school personnel. An Independent Study Contract form must be completed and signed by the Student, Parent, Guidance Counselor, Principal and any applicable school personnel for final approval. Independent study is the last option after all other credit recovery options have been exhausted.

Types of Diplomas

- *Standard Diploma* is awarded to students who have successfully completed the minimum number of academic credits in four years or more and up to 21 years of age.
- *Certification of IEP Completion*

GRADUATION REQUIREMENTS

STANDARD HIGH SCHOOL DIPLOMA

A total of twenty-four (24) Carnegie Units/Credits including four years in each Core Subject Area must be obtained to receive a high school **diploma** from a Friendship High school. **Please note, approved sports and extracurricular athletics can satisfy the physical education requirement with prior approval from the principal and athletic director.*

Subject (Courses required by OSSE)	Credits
English	4.0
Math (Algebra I, Geometry, Algebra II required)	4.0
Science (Biology, 2 other lab sciences required)	4.0
Social Studies (World I, World II, US History, DC History, US Gov required)	4.0
World Languages (two of the same language)	2.0
Health/Physical Education*	1.5
Music	0.5
Art	0.5
Academy Courses/Electives	3.5
Total	24.0

Typical Sequencing for students pursuing standard high school diploma

In Person Online	9th	10th	11th	12th
English	Pre-AP English 1 English 9 A/B	Pre-AP English 2 English 10 A/B	American Literature AP English Language English 11 A/B	African American Literature AP English Literature English 12 A/B
Math	Pre-Algebra Pre-AP Algebra I Algebra I A/B Pre-AP Geometry Geometry A/B	Pre-AP Algebra I Algebra I A/B Pre-AP Geometry Geometry A/B Pre-AP Algebra II Algebra II A/B	Pre-AP Geometry Geometry A/B Pre-AP Algebra II Algebra II A/B Pre-Calculus Pre-Calculus A/B	Pre-AP Algebra II Algebra II A/B Pre-Calculus Pre-Calculus A/B Statistics AP Calculus AB
Science	Pre-AP Biology Biology A/B Environmental Science Life Science A/B	Pre-AP Chemistry Chemistry A/B Pre-AP Biology Biology A/B	Physics Physics A/B Pre-AP Chemistry Chemistry A/B	Environmental Science Life Science A/B Physics Physics A/B AP Biology
Social Studies	Pre-AP World History World History 9 A/B	AP World History World History II World History A/B	AP Government US History US History A/B	AP US History American Institutions US Government DC History
Req Electives	Physical Education	Health Spanish I	Art Spanish II	Music
Academy Electives	Depends on Academy & Major			

Community Service

Friendship students must complete 100* hours of community service as a graduation requirement. All students, including transfer students are responsible for acquiring 100 community service hours. The goals of the community service program are to increase students' perception of self- worth, provide experiences for students to contribute to society, and prepare students for the world of work. Service-Learning places emphasis on quality service, links academics to real life applications, and connects the classroom learning experience to career options. Documented and verifiable hours are recorded on a student's transcript and are placed in the students' cumulative record along with grade reports each year.

*Hours Requirement by Year of Graduation, per an emergency and proposed rulemaking to codify changes in 5-A DCMR 2203. Students are required to complete the following hours requirements:

- 2023-24: 50 hours
- 2024-25: 75 hours
- 2025-26 and thereafter: 100 hour

In addition to passing Core Courses and Community Service Hours, it is expected that seniors also fulfill the following:

- Mandatory Graduation Memorandum of Understanding (MOU) signed by the following:
  - Student
  - Parent
  - Guidance Counselor
- Two Acceptance Letters to 2 or 4-year institutions (provide copies of letters)
- SAT and ACT Testing

- Submit Personal Statement/Essay
- Complete & present senior thesis paper
- Complete Free Application for Federal Student Aid (FAFSA)

CERTIFICATE OF IEP COMPLETION

A Certificate of IEP Completion is earned by students with disabilities who have mastered their IEP goals, completed high school coursework, but have not completed the requirements for a Standard High School Diploma. The IEP team determines whether a student is a candidate for the Certificate of IEP Completion or a Standard High School Diploma. To earn a Certificate of IEP Completion, students must earn 24.0 credits as follows:

Certificate of IEP Completion Core Subject Area Courses and Electives	**Credits**
English/Humanities	4.0
Concepts of Mathematics	4.0
Concepts of Science	4.0
Concepts of Social Studies	4.0
Learning Labs	3.0
Electives	2.0
Health and Physical Education	1.0
Transition Coursework	2.0
Total	24.0 Credits

Typical Sequencing for students pursuing certificate of completion

	9th	**10th**	**11th**	**12th**
English	Humanities I	Humanities II	Humanities III	Humanities IV
Math	Integrated Math I	Integrated Math II	Integrated Math III	Integrated Math IV
Science	STEM I: Life Sciences	STEM II: Life Sciences II	STEM III: Biology	STEM IV: Physical Science
Social Studies	American Studies I: World History	American Studies II: US History to 1877	American Studies III: US History from 1877	American Studies IV: US Government American Studies V: Washington, DC History
Life Skills	Life Skills and Communication I	Life Skills and Communication II	Life Skills and Communication III	Life Skills and Communication IV
Transition Skills	Transition Skills I	Transition Skills II	Transition Skills III	Transition Skills IV

Electives	Physical Education	Health	Depends on interests: Art, Band, Voice I, Photojournalism, etc.

RECORDING AND RECEIVING GRADES

Friendship utilizes PowerSchool, a fully integrated, web-based, cross-platform student information system. Progress reports, final quarter and final semester grades are entered into Power Teacher by teachers. Grades reports are then printed and reviewed for approval by the Principals. Upon approval, report cards are printed from PowerSchool.

Cumulative Grade Point Average (GPA)

The cumulative GPA is calculated using all final semester and year-long grades for credit bearing courses while enrolled at a Friendship high school. The cumulative GPA also includes all academic courses and any dual enrollment classes taken at another school, college or university. No classes will be eliminated from the calculation. The cumulative GPA should be the GPA that is reported to colleges and universities upon request for entrance criteria.

To calculate Grade Point Average (GPA), the letter grades are converted into grade points (See grading scale on page 2) and multiplied by the amount of credit each class is worth (i.e. .5, 1, or 2), which is listed on the "CR" portion of the transcript. The grade points earned are then added together and divided by the total number of credits attempted for the semester/year. The result is called the Grade Point Average (GPA).

Example:

English (1.0)	A	4.0
Math (1.0)	B+	3.25
Social Studies (1.0)	C-	1.75
Science (1.0)	A	4.0
PE (1.0)	B-	3.75
Elective (1.0)	A	4.0
Elective (1.0)	B	3.0
		23.75

23.75 divided by 7 = 3.39 (B+ average)

Credits

Credit is issued at the close of each semester. A student should receive credit for a class that reflects a grade according to the grading scale. If a student withdraws from a Friendship high school before the close of a semester, the school will generate a progress report that will go to the student's next school. The progress report is a reflection of the student's work to date in each class. It will not reflect credit, since it is not the end of the semester; special situations or exceptions can be made by the Principal.

Transfer Credits

Transferred credits and grades from other school systems shall be converted by the registrar into appropriate Friendship credits and are included in the GPA computations. Courses in subject areas not traditionally taught at Friendship, such as religion or driver education, can be accepted as electives. For transferred credits (non-Friendship courses) to which grades such as "O" (Outstanding), "S" (Satisfactory), and "U" (Unsatisfactory) or numeric values or percentages have been assigned, the school must secure or translate such grades to a scale of A, B, C, D, and F. These courses must be entered into PowerSchool separately.

Reporting Student Achievement

Student Achievement is reported throughout the semester by several different methods:

- **Report cards:** Issued on a quarterly basis, report cards show academic grades. Current school year report cards are

filed in the front office.

- **Quarterly Progress reports:** Progress reports are sent to the parent by mail for all students. Teachers send interim reports midway through the quarter to parents. Students who are in danger of failing will be provided with academic intervention resources.
- **Parent conferences:** Teachers and parents may request additional conferences aside from QLC to discuss student progress and/or concerns, as needed. Parent conferences are encouraged for students who are in danger of failing or dropping more than one letter grade during the marking period.
- **Parent Portal:** Parents have PowerSchool access log-ins to monitor student's academic progress. Parents have access to attendance, test scores, homework assignments and project grades.
- **On-Course Systems:** Parents have access log-ins to monitor lessons and activities the student is working on each day in class. Parents can access assignments any time a student is absent.
- **Informal methods:** Teachers also may use a variety of methods to report achievement and learning skills to students and parents, such as telephone calls, e-mail, observation records, and feedback sheets.
- **Teacher feedback:** Teachers give feedback on class work and homework to ensure that students learn. This feedback may be oral, as in reviewing assignments and assessments in class or written, as in writing comments on assignments. Teachers may provide feedback to individual students, small groups, or the entire class. Teachers will respond to parent contact within one business day of initial contact.

Parents are encouraged to talk to their child's teachers about specific questions concerning grades.
Grading and reporting procedures require teachers to inform students and parents in writing at the beginning of a year or semester, or when grading procedures change, about the following:

- Class or course expectations
- What is included in the grade
- How grades are determined, including weights and proportions
- This information should include details about course-specific processes for homework, re-teaching/reassessment, and any other grading processes specific to the course. Friendship will communicate school-wide decisions about grading processes to students and parents before and during the school year through summer mailings, school newsletters, Web sites, and meetings.
- While Friendship is responsible for keeping parents informed of the educational progress of their children, it is also important for parents to take responsibility for staying informed about children's performance by responding to teachers' phone calls or notes, understanding report cards and discussing concerns with teachers and counselors.

At the end of each semester beginning in the student's freshman year, the counselor will review a child's academic performance. With the goal of graduation, a student will have a conference with their counselor at the conclusion of the third quarter of their junior year to complete a letter of understanding. The letter will be reviewed at the conclusion of second semester to include a parent's signature. The counselor will meet with the senior student to complete a senior letter of understanding at the beginning of their fall semester to ensure that there are no amendments that need to be made to the student's schedule.

Honors & Student Privacy

Academic distinctions are Cum Laude, Magna Cum Laude, Summa Cum Laude, and Principal's Honors. All classes will be included in the calculation of a student's Honor Roll GPA.

- Cum Laude 3.00 - 3.49
- Magna Cum 3.50 - 3.79
- Summa Cum 3.80 - 3.99
- Principal's List 4.00 +

Family Educational Rights and Privacy Act (FERPA)
Friendship adheres to the Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99). This is a Federal law that protects the privacy of student education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education.

FERPA gives parents certain rights with respect to their children's education records. These rights transfer to the student when he or she reaches the age of 18 or attends a school beyond the high school level. Students to whom the rights have transferred are "eligible students."

- Friendship allows parents or eligible students to have the right to inspect and review the student's education records maintained by the school and provide copies in situations deemed necessary.
- Friendship parents or eligible students have the right to request that a school correct records which they believe to be inaccurate or misleading. Friendship requires written permission from the parent or eligible student in order to release any information from a student's education record. A Release of Student Records Form can be obtained in the Main Office or from the student information manager (SIM).
- However, FERPA allows Friendship to disclose those records, without consent, to the following parties or under the following conditions (34 CFR § 99.31):
    - School officials with legitimate educational interest;
    - Other schools to which a student is transferring;
    - Specified officials for audit or evaluation purposes;
    - Appropriate parties in connection with financial aid to a student;
    - Organizations conducting certain studies for or on behalf of the school;
    - Accrediting organizations;
    - To comply with a judicial order or lawfully issued subpoena;
    - Appropriate officials in cases of health and safety emergencies; and
    - State and local authorities, within a juvenile justice system, pursuant to specific State law.

The School's SIM, Director of Site Operations, and the Principal are the only staff members who have key entry access to the records area.

Student and Staff Support TEAM (SSST)

The purpose of SSST is to develop individual or group plans for those students identified as needing interventions or additional support. This process engages classroom teachers and parents and creates linkages to a consortium of service providers. SSST is intended to support student achievements, socialization skills, attendance and parental involvement. Guidance Staff, School Psychologists, Mental Health Clinicians, the School Nurse and other professionals are available to serve students and their families through this process.

SSST Procedure (see appendix)

1. Referral Completed
2. Data Gathered
3. Parent Contact Letter Sent to attend meeting
4. Distribute meeting Request Form to team members
5. Convene Academy/Grade Level Meeting
    - ✓ Complete SSST Meeting Notes
    - ✓ Complete six-week Intervention Plan or ILP
6. Follow-up initial Academy/Grade Level
    - ✓ Set next meeting date and time
    - ✓ Send reminder letters to Academy/ Grade Level SSST members including parent
    - ✓ Send thank you letter to parent
7. Monitor implementation of Six Week Intervention Plan or ILP
    - ✓ Monitoring implementation notes from week 1-2
    - ✓ Monitoring implementation notes from week 3-4
    - ✓ Monitoring implementation notes from 5-6
8. Convene ongoing/final SSST Meeting
    - ✓ Complete Ongoing/Final SSST meeting report form
    - ✓ Review documentation an evaluate success of six-week Intervention/ILP
    - ✓ Select option, record on form and follow through School-Wide Tutorial

School-Wide Tutorial

School-wide tutorial sessions are held from October through June from 4:00 pm to 6:00 pm. The sessions are facilitated by the classroom teachers Monday thru Thursday and by appointments on Friday. The purpose of the tutorial is to provide homework assistance, skill enrichment and remediation. The targeted students are those who have a GPA average of 2.0 (C average) or below, did not master the objectives/standards during class and those who are seeking more challenging assignments. The activities include re-teaching of the lesson, direct discussions and one-on-one assistance. Student performance and progress is tracked daily.

Saturday Learning Camp

The goal of Saturday Learning Camp is to provide students with an opportunity to address identified areas of improvement. Students in Saturday Learning Camp are not mandated, but are encouraged to attend so they may remain on pace in their classes. Moreover, Saturday Learning Camp provides enrichment for those students who are performing, but would like to solidify test taking strategies in an effort to improve their performance on standardized tests such as the SAT and PARCC.

Homebound Instructional Services

Purpose

- To delineate the procedures for governing homebound and home-based instruction.

General Statement of Policy

It is the policy of Friendship Public Charter School to provide homebound or hospital bound instruction at the district's expense for students who are prevented from attending their regular school for extended periods of time, due to care and treatment.

To ensure the student continues to make educational progress in their individual curriculum, a licensed instructor provides home or hospital bound instruction as soon as practicable under the treatment conditions of the student.

Definitions

Adult: responsible individual, age 21 or older, will be in the home during the periods of homebound instruction and that the responsible adult, if not parent or guardian, is acceptable to the homebound teacher.

Homebound: Student is prevented from attending the student's normal educational site, and needs alternative educational instruction.

IEP Team: A special education student's IEP team comprised of, at minimum, the following individuals: Special Educator, General Educator, Parent, LEA Representative, Student if applicable, Psychologist, and Speech Pathologist, as appropriate; Occupational Therapist, Transitions Specialist (for students 16 and older) and other staff as needed (Reading Specialist, Student Support Team Chair.

Homebound Instructor: A certified teacher. Students eligible for services under the Individuals with Disabilities Education Act shall be served by appropriately certified personnel.

Procedures

Eligibility

Students eligible for homebound services must currently be enrolled in Friendship Public Charter School and who are:

1. Absent/prevented from attending for 3 consecutive weeks;
2. Predicted to be absent for 3 consecutive weeks according to the placing authority, such as a medical doctor, psychologist, psychiatrist, judge, or other court-appointed authority.

A student shall begin receiving home/hospital bound instruction as soon as is practicable under treatment conditions to ensure that the student continues to make educational progress. Students receiving homebound instruction will be eligible for credit toward graduation, contingent on satisfactory completion of assignments, as determined by the instructors and/or the building principal.

Approval Process

Friendship Public Charter school shall provide hospital/homebound instruction to students, including students with disabilities, who meet the following requirements.

1. Receipt of a medical referral form stating that the student will be absent a minimum of 3 consecutive weeks; or that the student has chronic periods of time during the school year.
2. A statement that the student is physically able to participate in instruction; and
3. A signature of a physician licensed by the appropriate state agency or board.

Special Education
If a student has an Individualized Education Program (IEP), in addition to the items listed above, an IEP meeting must be held to reflect the change in placement, identify any IEP goals and address the needs for accommodations and additional services. An IEP meeting must be held when the student returns to school.

Alternate Instruction Option for Special Education Students
Homebound instruction, coordinated through the Office of Special Education, may be considered by the IEP team as an alternate instructional option for special education students who have been suspended for more than 10 school days or expelled for disciplinary reasons. When the IEP team, in consultation with the Director of Special Education, determines that homebound instruction is appropriate, the IEP team will notify the Director of Student Support Services who will arrange homebound instruction based on the IEP.

Delivery of Services
Home/Hospital Services are designed to assist the classroom teacher(s) in communicating with the student during the student's absence from the classroom. Services may be provided through:
1. direct instruction with a teacher
2. use of electronic equipment such as video recording equipment, talking books or voice activated tape recorders
3. Use of a telecommunication link with the school or computer programming.

Note: A responsible adult must be present in the home during teaching sessions. Arrangements may be made for teaching in a public library or other public space where adults are present. If instruction is provided in a public location where other adults are present, adult supervision may not be necessary.

Homebound Instructional Services
Hours and Duration of Instruction
Students will receive six hours of instruction per week. The duration of this service will be determined by the doctor's recommendation for the student to return to school.

Responsibility of Student's Home School
- Each school shall count present the student receiving home/hospital instruction if instruction is provided a minimum of **six** hours per week, excluding travel time.
- Home/hospital instruction will run consistent with the Friendship Public Charter School calendar
- The student's home school must provide books, assignments and lesson materials for students receiving homebound instruction.

Homebound Instructor
- General Education Teacher Qualifications: Any certified teacher employed to provide general education services.
- Special Education Teacher Qualifications: A non-special education certified teacher or properly certified substitute unless the student's IEP requires that the services be provided by a special education teacher.

In the event that a home instructor is not available, students will be provided work packets. It is expected that an adult will pick up the packets and upon completion, return the packets back to the school. The school will provide the student with appropriate feedback.

ENGLISH LANGUAGE ARTS DEPARTMENT

IN-PERSON ELA COURSES

Pre-AP English I

Pre-AP English 1 focuses on the reading, writing, and language skills that have immediate relevance for students and that will be essential for their future coursework. Texts take center stage in the Pre-AP English I classroom, inspiring and preparing all students for close, critical reading and analytical writing. The course trains the reader to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains the writer to focus on crafting complex sentences, building this foundational skill enroute to more sophisticated, longer-form analyses.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

Literary Genres

The Literary Genres course is designed to educate students on how to read and write in various modes and genres. The course explores novels, short stories, poems, autobiographical essays, and plays. Additionally, students will develop communication and analytical skills through formal and informal discussions, presentations, and performance. This course provides students with the analytical and composition skills they need to be successful in subsequent high school English courses. Students will also be exposed to interdisciplinary projects using integrated technology and media resources.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

Pre-AP English II

English 2 builds on the foundation of English 1, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. While English 1 introduces the fundamental routines of close observation, critical analysis, and appreciation of author's craft, English 2 requires students to apply those same practices to a new host of nonfiction and literary texts. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Pre-AP English I **Term: SEM** **Duration: Year-Long Course**

World Literature

The World Literature course prepares students to read a wide variety of literature from around the world representing the history of human civilization from the most remote ancient cultures through the present day. Thus, students will read works from the Greco-Roman world to the literature of colonization and decolonization, from Sumerian tales to the Renaissance and the Age of Reason. Class writing activities will include literary interpretation, narrative and personal writing, persuasive, and argumentative composition.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

African American Literature - Part I

In this course students will explore the literary traditions of African American literature from Slavery through Reconstruction through poetry, short stories, essays, drama, journals, and other writer forms. Students will engage in a variety of learning through various audio/visual resources and multi-media technologies designed to cultivate an understanding of the themes of African American literature. Students are required to complete a culminating writing task and presentation. Focal Authors: Claude McKay, Zora Neale Hurston, Marita Bonner, Jean Toomer, Langston Hughes, Jessie Redman Fauset, Robert Hayden, Martin Luther King Jr. and Gwendolyn Brooks.

Campus: Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

African American Literature-Part II

In this course, students will explore the literary traditions of African American literature through poetry, short stories, essays, drama, journals, and other writer forms. Students will engage in a variety of learning through various audio/visual resources and multi-media technologies designed to cultivate an understanding of the themes of African American literature. Students are required to complete a culminating writing task and presentation. Focal Authors: Claude McKay, Zora Neale Hurston, Mari ta Bonner, Jean Toomer, Langston Hughes, Jessie Redman Fauset, Robert Hayden, Martin Luther King Jr. and Gwendolyn Brooks.

Campus: Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

American Literature

The American Literature course is designed to improve students' ability to critically and analytically read a variety of exemplary works by American authors. Selected novels and drama texts include, but are not limited to, The Catcher in the Rye, To Kill A Mockingbird, A Streetcar Named Desire, and The Scarlet Letter. Additionally, this course surveys other short stories, poems, and plays by men and women from a variety of backgrounds that reflect the American experience. Moreover, students will increase and gain a deeper meaning and application in the following areas: reading comprehension, writing, thinking, speaking, listening, vocabulary, analytical and critical thinking.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

English 12

The overarching objective of the Senior Composition course is to enable students to read a variety of texts and write effectively and confidently in their college courses across the curriculum and in their professional and personal lives. Students will analyze complex texts, conduct formal research projects, implement active listening and speaking in a seminar environment and employ public speaking skills to demonstrate understanding of curriculum standards.

Campus: Tech Prep **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

English Composition

The English Composition course will focus on developing effective reading, listening, speaking, and writing skills. Students will work on applying to college and scholarships, applying literary devices, understanding Shakespeare, and participating in choice reading activities. Students will participate in peer editing and rewriting activities. Graphic organizers will help guide writing. Students will spend time in the computer lab developing research skills, using MLA and APA format, and correctly formatting their essays. Students will study literary forms and write both creatively and analytically to expand their literal, interpretive, creative, and critical thinking.

Campus: Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

Women's Literature

In this course students will read compelling literature that focuses on the experiences of girls and women. Students will examine contemporary novels, short stories and poetry that express female voices from various cultures and social backgrounds. Students will participate in small group discussions, writing exercises and creative projects that relate to the themes presented in the literature. The course also examines current issues affecting women (and men) and provides opportunities for personal reflection and goal setting. Students will learn more about themselves as they hone their communication skills and explore female characters and authors.

Campus: Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

AP English Literature and Composition

The AP course in English Literature and Composition engages students in the practice of critical reading and writing for a variety of contexts and purposes. Students in this course come to an understanding of the intersecting practices of reading and writing - and the connection between the writer's purpose and the expectations of his audience. AP students also gain an awareness of language as the essential building blocks of meaning, the idea that grammar entails so much more than correctness, namely, style, choice, voice, and tone. AP Literature and Composition students will come to understand the elements of literature as the author's device for creating meaning, for exploring larger physical and metaphysical considerations, and for creating the world of the text. Students will also come to an understanding of the cultural, social, and political currents

that inform the Anglo- American literary canon. As a result of this understanding, they will be able to identify literary movements and trends in text and context.
Students will also come to an understanding of the cultural, social, and political currents that inform the Anglo- American literary canon. As a result of this understanding, they will be able to identify literary movements and trends in text and context.
Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

AP English Language and Composition
This course is designed to create effective college readers and writers, to compel students to go beyond summary into the realm of analysis and critical reflection, a skill that will serve those taking standardized tests, including the AP Exam and the SAT. As a result of this course, students will gain a heightened awareness of the transactional nature of reading and writing and an understanding that the best writing is produced when personal experience and close reading converge. To that end, we will practice a level of reading and writing that demands diligent and creative scholarship. By the end of this course, students will be able to construct and analyze argumentative, persuasive, narrative, and analytical texts; identify patterns of organization, rhetorical strategies and devices to show how they contribute to the overall meaning and effectiveness of a work, incorporating this awareness into their own compositions. As readers, students will develop an arsenal of strategies to deconstruct the style, structure, and purpose of texts. As writers, students will use their knowledge of the rhetorical triangle and the rhetorical situation to create compelling pieces that persuade, inform, entertain, and engage diverse audiences.
Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

ONLINE ELA COURSES

All online core courses have an honors option that includes extra assignments and a more rigorous standard of grading.

English 9 A/B
English 9 v6.0 is a completely new course built for and 100% aligned to the Common Core State Standards for English Language Arts. A balance of fiction and nonfiction texts are used throughout the course, and each unit is designed around a thematic concept to provide cohesiveness to the skills based lessons and activities that make up the unit. The course intertwines the development of reading skills with the development of writing, speaking and listening, and language skills. Students can look forward to a course where the information is delivered in easy-to-digest chunks using student-friendly language, with assessments that are tightly aligned to the concepts and skills learned in the lesson. The course design reflects educator feedback about student engagement by featuring a variety of interactions, videos, and new student resources, such as worksheets and guided notes. Educators were also involved with writing activities and worksheets for this course. English 9 v6.0 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.
Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

English 9 with Augmented Reality
English 9 with Augmented Reality v6.0 is a completely new course built for and 100% aligned to the Common Core State Standards for English Language Arts. A balance of fiction and nonfiction texts are used throughout the course, and each unit is designed around a thematic concept to provide cohesiveness to the skills-based lessons and activities that make up the unit. The course intertwines the development of reading skills with the development of writing, speaking and listening, and language skills. Students can look forward to a course where the information is delivered in easy-to-digest chunks using student-friendly language, with assessments that are tightly aligned to the concepts and skills learned in the lesson. The course design reflects educator feedback about student engagement by featuring a variety of interactions, videos, and new student resources, such as worksheets and guided notes. Educators were also involved with writing activities and worksheets for this course. English 9 with Augmented Reality v6.0 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design. This course also includes Augmented Reality activities in partnership with Boulevard Arts. The AR activities in this course are designed to immerse students in their English Language Arts learning while providing access to famous works of art for cross-curricular learning purposes.
Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

English 10 A/B

English 10 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for English Language Arts. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners, and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. This new design offers learners multiple opportunities to experience the reading and writing connection via analysis tasks, and other opportunities to engage in research and experience writing across genres. Instructional best practices are embedded throughout lessons such as the close reading of texts and application of reading strategies. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. Scaffolding pieces, such as Clarifying Big Ideas (CBI) lessons, are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big ideas that underpin learning. These CBI lessons include additional modeling, student examples, and detailed explanations to ensure students internalize key concepts discussed in tutorials. This fresh new look and feel for the course was inspired by educator feedback. English 10 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

English 11 A/B

English 11A explores the relation between American history and literature from the colonial period through the realism and naturalism eras. English 11B explores the relation between American history and literature from the modernist period through the contemporary era and presents learners with relevant cultural and political history. Readings are scaffolded with pre-reading information, interactions, and activities to actively engage learners in the content. The lessons in both semesters focus on developing grammar, vocabulary, speech, and writing skills.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

English 12 A/B

In keeping with the model established in English 11, these courses emphasize the study of literature in the context of specific historical periods, beginning with the Anglo-Saxon and medieval periods in Britain. Each lesson includes tutorials and embedded lesson activities that provide for a more engaging and effective learning experience. Semester B covers the romantic, Victorian, and modern eras. End of unit tests ensure mastery of the concepts taught in each unit, and exemptive pretests allow students to focus on content that they have yet to master.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

Business English A/B

Business English is designed to strengthen students' ability to read and write in the workplace. Writing for business purposes is a main focus of the course. Students will learn how to communicate effectively through email and instant messaging, as well as format specific types of business messages and workplace documents. The role of digital media, visuals, and graphics in workplace communication will be explored. The importance of professionalism, ethics, and other positive skills are also emphasized in the course. Additionally, guidance is provided to help students through the process of searching, applying, and interviewing for a job.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

ELA Dual Enrollment Courses

Arizona State University Offered Courses

Poetry in America: The City from Whitman to Hip Hop – ENG 194

In this course, we will consider American poets whose themes, forms, and voices have given expression to visions of the city since 1850. Beginning with Walt Whitman, the great poet of nineteenth-century New York, we will explore the diverse and ever-changing environment of the modern city—from Chicago to Washington, DC, from San Francisco to Detroit—through the eyes of such poets as Carl Sandburg, Emma Lazarus, Edna St. Vincent Millay, Langston Hughes, Marianne Moore, Frank O'Hara, Gwendolyn Brooks, Allen Ginsberg, Robert Hayden, and Robert Pinsky, as well as contemporary hip hop and spoken word artists.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

Poetry in America, 1850-1945 – ENG 194

Beginning with the poetry of the American Civil War and the series of major events and social movements that followed it, we read such poets as Herman Melville, Julia Ward Howe, Walt Whitman, Edwin Arlington Robinson, Paul Laurence Dunbar, Francis Ellen Watkins Harper, and Emma Lazarus, and examine the language of patriotism, pride, violence, loss, and memory inspired by the nation's greatest conflict. As we enter the twentieth century, we encounter modernism, a movement that spanned the decades from the 1910s to the mid-1940s, and whose poetry marked a break from past traditions and past forms. We read such poets as Robert Frost, T.S. Eliot, Marianne Moore, Langston Hughes, William Carlos Williams, Edna St. Vincent Millay, Claude McKay, Dorothy Parker, and Wallace Stevens. We study how these poets employed the language of rejection and revolution, of making and remaking, of artistic appropriation and cultural emancipation.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

Granite State College Offered Courses

ENG 500 The Writing Process

This course introduces students to the foundational concepts and skills needed to communicate effectively in writing for academic study and professional development. Students will learn how to use the four stages of the writing process "prewriting, drafting, revising, and editing" to create written communication that meets its intended purpose for its intended audience. Students will also be introduced to rhetorical styles and the role of outside sources in academic writing. Constructing and implementing effectively designed search strategies for information to answer a critical inquiry or research question are also addressed in this course.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

ENG 504 Introduction to Literature

This writing and reading intensive course is intended to increase students' exposure to and appreciation of literature in its many forms. Students will therefore read and discuss the primary genres of poetry, the short story, drama, and the novel. The second goal of the course is to hone students' abilities to read, write, and think critically about the ways in which human experience itself is shaped by language in literary texts. Through the development of literary analysis skills and the practice of writing about literature, students will learn to communicate meaningfully about literature as an art form with aesthetic, social, cultural, and political significance.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: ENG500** **Duration: Semester**

ENG 510 Survey of American Literature

This course provides a broad overview of significant American authors and representative texts from the Colonial period to the present. Learners become familiar with key figures and movements in the nation's literary heritage and examine how historical, political, and social forces have influenced the development and expression of a uniquely American perspective.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: ENG510** **Duration: Semester**

ENG 604 Creating Writing

The goal of this course is for students to develop their own capacity for creative expression by writing in fiction, poetry, and other genres using the major craft forms and elements of the genre. They will also generate strategies for reading and interpreting contemporary published writing in the same genres. A workshop format will be used for students to learn how discussing works in progress with other writers can advance their own creative expression and support the creative expression of others. The workshop format will also introduce students to the unique challenges posed by the revision process in reworking an original creative work for an external audience. *PREREQUISITE(S): ENG 500 The Writing Process*

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

University of District of Columbia Offered Courses

English Composition I – ENGL110C

Focuses on expository writing. Includes selected readings and extensive practice in writing essays (e.g., analysis, comparison and contrast, cause and effect). Also reviews grammar and introduces the student to library resources.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

English Composition II – ENGL 112 C

Continues the study of the writing process begun in English Composition I. This course focuses on argumentation and analysis with extensive practice in writing and in-depth critical thinking through the use of supplemental readings. Culminates in the writing of a research paper.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: ENGL 110C** **Duration: Semester**

Marymount University Offered Courses

EN 101: English Composition I

This course focuses on the reading, writing, critical thinking, and research skills that students need to participate effectively in civic discussions and debates. The course explores topics of public significance, particularly those important to the D.C. metro area, through first-hand research and through an examination of new and traditional media. The course culminates in a project that contributes to the public discussion of a topic.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

EN 102: English Composition II

This course focuses on the reading, writing, critical thinking, and research skills students need to participate effectively in academic discussions and debates. The course explores topics in writing studies through an examination of primary and secondary sources. The course culminates in a position essay that contributes to an academic discussion of a topic. A minimum grade of C- is required for graduation.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

ELA Electives

AP Electives

AP Seminar

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

Campus: Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

AP Research

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Campus: Collegiate **Credit: 0.5**
Prerequisite: AP Seminar **Term: SEM** **Duration: Year-Long Course**

Skills Development Electives

Read 180 and Systems 44

The Reading & Language Laboratory course is an intensive reading intervention program designed to meet the needs of students who need support for reading proficiency. The program directly addresses individual needs through adaptive and instructional software, high-interest literature, and direct instruction in reading and writing skills. Students will receive explicit instruction in the areas of fluency, comprehension, vocabulary, and composition. Both formative and summative assessments will be used to identify areas of challenge and instruction will be differentiated to improve performance and mastery. Additionally, students will learn and reinforce basic academic skill sets and habits of mind necessary for future college and career success such as organization, study skills, and test taking strategies. All topics in this course will be taught for proficiency and mastery, with special emphasis placed on the following skills with the expectation that students will leave the course with the ability to independently perform the following tasks (This list is by no means exhaustive):

Reading

- Summarizing & sequencing events
- Reading for pleasure and for information
- Scanning for information
- Identifying personification, metaphors, similes, and other
- figurative language
- Differentiating between fact, fantasy, and opinion
- Identifying and describing settings
- Making connections, predictions, and extensions
- Recognizing high frequency words with automaticity
- Identifying parts of a book

Writing

- Utilizing Standard American English in terms of structure, syntax, and grammar
- Structuring and organizing five paragraph essays, articles, brochures, pamphlets, and folklore
- Composing a variety of poetic forms including sonnets, verses, poems, ballads, and limericks
- Structuring "Cornell" Two-Column Notes

Campus: Tech Prep, Collegiate **Credit: 1.0**

Prerequisite: N/A **Term: SEM** **Duration: Daily-Semester Long Course**

Reading Lab

The Reading Lab is an intervention designed to support struggling readers who are one to three grades behind in reading. This course places an emphasis on reading skills and strategies to improve comprehension, fluency, and analysis. Students regularly engage in guided and independent reading across genres with a focus on informational text. Acknowledging the need for students to become confident, proficient test-takers, Reading Lab also embeds assessment literacy into the curriculum to teach students not only content and skills but also the strategies to become successful test takers. In addition to Reading Lab, 9th and 10th grade students take Literary Genres and World Literature respectively as a co-requisite. Any students enrolled in an intervention course will have an opportunity to complete core courses during Summer School, Saturday School or during the next school year to meet graduation requirements.

Campus: Tech Prep, Collegiate **Credit: 1.0**
Prerequisite: N/A **Term: SEM** **Duration: Daily-Semester Long Course**

Reading Block

With its blended learning approach, this course gives scholars unique tools needed to thrive anytime, anywhere. Students and teachers can customize the learning experience using informative assessments and a flexible rotation model that combines traditional and online instruction. Six zones provide direct instruction, practice, and feedback on areas where students struggle most: spelling, writing, academic vocabulary, and comprehension. Individual paths guide students at their own pace, informed by their performance, engagement, and teacher input. Segment Selector allows students to tailor content to their personal

interests, enhancing interaction as they choose from 25 unique topics.

Campus: Tech Prep, Collegiate **Credit: 1.0**
Prerequisite: N/A **Term: SEM** **Duration: Daily-Semester Long Course**

SAT Prep– ERW

SAT Prep is designed to help prepare students for the SAT test. In addition to reviewing the basic verbal and written skills assessed on the SAT test, students learn test-taking strategies specific to the exam.

Campus: Tech Prep, Collegiate **Credit: 1.0**
Prerequisite: N/A **Term: SEM** **Duration: Daily-Semester Long Course**

Online Electives

Accelerate to English 10 (Courseware Only)

Accelerate to English 10 is a short course designed to prepare students for success in English 10. It focuses on the reading and writing skills that will serve as the foundation for upcoming learning. Students will practice active reading strategies to analyze how authors use literary devices, persuasive techniques, structure, and language in their writing. Students will also practice close reading to interpret texts and provide support for written analysis.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

Accelerate to English 11 (Courseware Only)

Accelerate to English 11 is a short course designed to prepare students for success in English 9. It focuses on the reading and writing skills that will serve as the foundation for upcoming learning. Students will read literary and informational texts to analyze how authors use various structures, elements, and techniques to create effects. Students will also use close reading strategies to interpret texts and inform your writing.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

Accelerate to English 12 (Courseware Only)

Accelerate to English 12 is a short course designed to prepare students for success in English 12. It focuses on developing the reading and writing skills that will serve as the foundation for upcoming learning. Students will practice active reading strategies to analyze how authors use literary devices, structure, and language in their writing. Students will also compose brief analyses to demonstrate your understanding of the historical and cultural perspectives in these texts.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

Journalism 1a: Introduction

Does your curiosity lead you to the heart of the matter? Channel this curiosity into developing strong writing, critical thinking, and research skills to perform interviews and write influential pieces, such as articles and blog posts. Learn about the evolution of journalism and its ethics, bias, and career directions to forge your path in this field.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

Journalism 1b: Investigating the Truth

Journalists are asked to tell the world a story every single day—and their job is, to tell the truth. Learn how to choose a topic, structure your story, research facts, hone your observational skills, and write an article following journalism tradition. Go beyond the print world and discover how journalism can lead to exciting careers that will put you right in the action.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Journalism 1a** **Term: SEM**

MATHEMATICS DEPARTMENT

IN-PERSON MATH COURSES

Pre-Algebra

Pre-Algebra is a foundational mathematics course designed to prepare students for the more advanced concepts encountered in Algebra and other higher-level math courses. This course provides students with a comprehensive understanding of essential mathematical skills and concepts, equipping them with the necessary tools to excel in their mathematical journey. This course reviews key algebra readiness skills where students revisit concepts in number and operations, expressions, equations, inequalities, ratio and proportion, and introduction to data analysis and modeling.

Campus: Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Algebra I

This course is the foundation for the high school mathematics courses that follow. It is the bridge from the concrete to the abstract study of mathematics. Topics include simplifying expressions, evaluating and solving equations and inequalities, and graphing linear and quadratic functions and relations. Real world applications are presented within the course content and a function's approach is emphasized.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Pre-AP Algebra I

The Pre-AP Algebra 1 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. Taken together, these ideas provide a powerful set of conceptual tools that students can use to make sense of their world through mathematics.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Pre-AP Algebra II

In Pre-AP Algebra 2, students solidify and extend the understanding of functions and data analysis developed in prior courses. Students build upon linear, quadratic, and exponential functions as they work to define logarithmic, polynomial, rational, square root, cube root, and trigonometric functions. Quantitative literacy is developed by weaving data sets, contextual scenarios, and mathematical modeling throughout the course.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Geometry

This course develops a structured mathematical system employing both deductive and inductive reasoning. It includes plane, spatial, coordinate, and transformational geometry. Algebraic methods are used to solve problems involving geometric principles.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Pre-AP Geometry with Statistics

Pre-AP Geometry with Statistics provides students with a conceptual bridge between algebra and geometry that deepens their understanding of mathematics. The course includes a unit of statistics and probability to support students' understanding of concepts essential to quantitative literacy. Throughout the course, students solve problems across the domains of algebra, geometry, and statistics.

- **Connections among multiple representations:** Students represent mathematical concepts in a variety of forms and move fluently among the forms.
- **Greater authenticity of applications and modeling:** Students create and use mathematical models to understand and explain authentic scenarios.

- **Engagement in mathematical argumentation:** Students use evidence to craft mathematical conjectures and prove or disprove them.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Algebra II

This course extends the topics first seen in Algebra I and provides skills in algebraic operations. Additionally, linear and quadratic functions and relations, conic sections, exponential and logarithmic functions, graphing, and sequences and series will be explored.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Pre-Calculus

This course extends and integrates concepts from algebra and geometry. It includes the study of polynomial, rational, exponential, logarithmic and trigonometric functions, inverse and second-degree relations and their graphs. Other topics include complex numbers, polar coordinates, vectors, sequences and series.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

AP Precalculus

This course explores a variety of function types and their applications, including polynomials, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. Students will develop procedural and symbolic fluency, multiple representations, and communication and reasoning skills throughout the course. Key concepts and skills related to each function type are experienced through modeling and covariation. Students will engage with each function type using graphical, numerical, and analytical representations. By the end of the course, students will have a comprehensive understanding of the diverse function types and their real-world applications, preparing them for further studies in calculus and other advanced mathematical disciplines.

Campus: Collegiate **Credit: 0.5**
Prerequisite: **Term: SEM** **Duration: Year-Long Course**

Statistics

This mathematical course is an elective that includes the theory of probability, descriptions of statistical measurements, probability distributions, and statistical inferences.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

AP Calculus

The purpose of this course is to develop students' understanding of the concepts of calculus and provide experience with its methods and applications. AP Calculus emphasizes a multi-representational approach to expressing concepts, results, and problems graphically, numerically, and verbally. AP Calculus begins with a detailed exploration of functions, graphs and limits with focus on analysis of graphs, limits of functions, asymptotic and unbounded behavior, and continuity as a property of functions. The primary aim of this course is on in-depth understanding of the theorems, concepts, techniques, computations and applications of derivatives and integrals.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Pre-Calculus **Term: SEM** **Duration: Year-Long Course**

ONLINE MATH COURSES

All online core courses have an honors option that includes extra assignments and a more rigorous standard of grading.

Algebra 1 A/B

Algebra 1 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for Mathematics. The specific standard alignment for each lesson is visible to both educators and students. In addition to the emphasis on alignment, the lessons in the new course are designed to be shorter in length than lessons of previous versions,

offering focused exploration of topics to make concepts more digestible for students. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist students in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help students record key takeaways as they move through the tutorial. The course is also built around student engagement, with more interactive lessons and videos that work through examples and model problem-solving skills. This fresh new look and feel for the course was inspired by educator feedback. Educators were also involved in the course at the design-level, as many unit activities, worksheets, and video scripts were written by current algebra classroom teachers. Algebra 1 v7.0 reflects our commitment to standards alignment and putting the needs of educators and students first in all aspects of course design.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Algebra 2 A/B

Algebra 2 v7.0 is a completely re-designed course that offers 100% alignment to the Common Core State Standards for Mathematics. In addition to the emphasis on alignment, the new lessons in the course are designed to be shorter in length than lessons of previous versions, offering focused exploration of topics to make concepts more digestible for learners and intentionally grouped to reinforce connections. Practice questions are included with each lesson, including technology-enhanced items and explanations to assist learners in their understanding of the concepts. New features to support student mastery include worksheets for practice and guided notes to help learners record key takeaways as they move through the tutorial. The course is built around learner engagement, with more interactive lessons, videos that work through examples and model problem-solving skills, and experiences to support multi-modal learning and sense-making. Scaffolding pieces are included throughout the course to provide learners with opportunities to build on foundational skills as well as prepare for greater success by drawing learners' attention to common misunderstandings and articulating the big **ideas that underpin learning. This fresh new look and feel for the course was** inspired by educator feedback. Algebra 2 v7.0 reflects our commitment to standards alignment and putting the needs of educators and learners first in all aspects of course design.

Campus: Online **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Geometry A/B

A comprehensive examination of geometric concepts, each lesson provides thorough explanations and builds on prior lessons. Step-by-step instruction and multiple opportunities for self-check practice develop skills and confidence in students as they progress through the course. The course features animations, which allow students to manipulate angles or create shapes, such as triangles, engage students in learning and enhance mastery. Labs extend comprehension by giving students hand-on experiences

Campus: Online **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Integrated Math 1 A/B

These two semester-long courses are designed to enable all students at the high-school level to develop a deep understanding of the math objectives covered and leave them ready for their next steps in mathematics. The courses are built to the Common Core State Standards. The three units in Semester A advance students through the study of single-variable expressions to systems of equations, while Semester B covers functions, advanced functions, and concludes with a practical look at the uses of geometry and trigonometry.

Campus: Online **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Integrated Math 2 A/B

Building on the concepts covered in Integrated Math 1, these courses are based on proven pedagogical principles and employ sound course design to effectively help students master rules of exponents and polynomials, advanced single-variable quadratic equations, independent and conditional probability, and more. Online and offline activities combine to create an engaging learning experience that prepares high school learners for their next step in their studies of mathematics.

Campus: Online **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Integrated Math 3 A/B

Beginning with the simplification of rational and polynomial expressions, Semester A takes students through the next steps in mastering the principles of integrated math. These two semester-long courses focus on meeting Common Core objectives with engaging and interactive content. Semester B begins with the derivation of the trigonometric formula for the area of a triangle, and proceeds through the use of functions and on developing the critical thinking skills necessary to make logical and meaningful inferences from data.

Campus: Online **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Pre-calculus A/B

Pre-calculus builds on algebraic concepts to prepare students for calculus. The course begins with a review of basic algebraic concepts and moves into operations with functions, where students manipulate functions and their graphs. Pre-calculus also provides a detailed look at trigonometric functions, their graphs, the trigonometric identities, and the unit circle. Finally, students are introduced to polar coordinates, parametric equations, and limits.

Campus: Online **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Financial Mathematics A/B

Financial Algebra is designed to instruct students in algebraic thinking while also preparing them to navigate a number of financial applications. Students will explore how algebraic knowledge is connected to many financial situations, including investing, using credit, paying taxes, and shopping for insurance. In studying these topics, students will learn about the linear, exponential, and quadratic relationships that apply to financial applications. In addition, the course will help prepare students to tackle the wide variety of financial decisions they will face in life, from setting up their first budget to planning for retirement.

Campus: Online **Credit: 0.5**
Prerequisite: Algebra I **Term: SEM** **Duration: Year-Long Course**

Dual Enrollment Math Courses

Marymount University Course Descriptions

MA 171A: Calculus with PreCalculus A

This is the first part of a year-long sequence that integrates the study of Pre-Calculus with the study of Calculus. This first semester includes a review of functions, including polynomial and rational functions, limits, differentiation of algebraic functions, and applications of differentiation. Graphic calculators are used to explore properties of functions and to facilitate computations.

Credit: 1.0 **Prerequisite: Algebra II and acceptance into Marymount Program** **Duration: Semester**

MA 172A: Calculus with PreCalculus B

This is the second part of a year-long sequence that integrates the study of Pre-Calculus with the study of Calculus. This second semester begins with an introduction to integration and continues to apply the study of differentiation and integration of exponential, logarithmic and trigonometric functions. The course includes a careful look at integration using substitution and integration by parts.

Credit: 1.0 **Prerequisite: MA171A and acceptance into Marymount Program** **Duration: Semester**

Granite State University Course Descriptions

Math 502 Math for Our World

This course takes an integrated approach to the study of mathematics, combining mathematical concepts with applications in the real world. It addresses topics in mathematics necessary in a college education, providing the reasoning strategies needed for mathematical problem solving in the workplace, the media, and everyday life. The course serves as

the foundation for higher-level math courses and provides the quantitative skills necessary to be adequately prepared for coursework in other academic areas. The overarching goal is to learn to interpret quantitative and statistical information that we encounter daily. Students will understand how real-world problems can be analyzed using the power and rigor of mathematical and statistical models. Topics include: problem solving, math of finance, geometry, basic probability, and beginning statistical concepts with an emphasis on real world applications and interpreting information. The use of Excel will be incorporated into the topics of this course.

Credit: 1.0 **Prerequisite: Algebra II and acceptance into Granite Program** **Duration: Semester**

MATH 510 – Pre-Calculus

This course is intended as a bridge course between algebra and calculus. The course focuses on strengthening the student's mathematical problem solving skills and developing a firm understanding of functions, their graphical representation, their behavior and their use to model real-life situations. Various classes of functions will be highlighted: polynomials, rational, exponential, logarithmic and trigonometric. Topics may also include: algebraic concepts, real number system, systems of equations and inequalities, complex numbers and polar coordinates.

Credit: 1.0 **Prerequisite: Algebra II and acceptance into Granite Program** **Duration: Semester**

Math Electives

Skills Development Electives

Math Lab

A mandatory mathematics course for students scoring two or more grade levels below their current grade according to the Performance Series assessment. In this course, students will use manipulative, hands-on learning strategies, computer support program - PLATO learning, small group, and individual instruction to help students master the fundamental numeracy and algebra skills. The topics covered in this course are fractions, decimals, percent, integers, variables, exponents, numerical and algebraic expressions, and equations. Any students enrolled in an intervention course will have an opportunity to complete core courses during Summer School, Saturday School or during the next school year to meet graduation requirements.

Campus: Tech Prep, Collegiate **Credit: 1.0**
Prerequisite: N/A **Term: SEM** **Duration: Semester Long Course**

SAT Prep– Math

Upon completion of this course, students should have an understanding of the SAT Math structure, general and section-specific test-taking strategies, and the ability to identify and handle difficult or tricky questions.

Campus: Tech Prep, Collegiate **Credit: 1.0**
Prerequisite: N/A **Term: SEM** **Duration: Semester Long Course**

Online Math Electives

Consumer Mathematics

This course explains how four basic mathematical operations – addition, subtraction, multiplication, and division – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for the Real World activities are included that promote cross-curricular learning and higher-order thinking and problem-solving skills.

Campus: Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Accelerate to Algebra 1 (Courseware Only)

Accelerate to Algebra 1 is a short course designed to prepare students for success in Algebra 1. It focuses on reviewing the essential skills and mathematical concepts that serve as the foundation for upcoming learning. Students will apply their understanding of algebraic techniques for representing relationships and use these relationships to solve problems. Students will also explore how statistics and probability can be used to draw conclusions and make predictions.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

Accelerate to Algebra 2 (Courseware Only)

Accelerate to Algebra 2 is a short course designed to prepare students for success in Algebra 2. It focuses on reviewing the essential skills and mathematical concepts that serve as the foundation for upcoming learning. Students will apply their understanding of algebraic techniques for representing relationships and use these relationships to solve problems. Students will also explore how statistics and probability can be used to draw conclusions and make predictions.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

Accelerate to Geometry (Courseware Only)

Accelerate to Geometry is a short course designed to prepare students for success in Geometry. It focuses on reviewing the essential skills and mathematical concepts that serve as the foundation for upcoming learning. Students will apply their understanding of algebraic techniques to rewrite and solve expressions and equations. Students will also explore simple probability and revisit fundamental geometric relationships.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

Personal and Family Finance

We all know money is important in life. But how important? In fact, the financial decisions you make today may have a lasting effect on your future. Rather than feeling anxious about money, feel empowered by learning how to make smart decisions! Personal and Family Finance will begin the conversation around how to spend and save your money wisely, investing in safe opportunities and the days ahead. Learning key financial concepts around taxes, credit, and money management will provide both understanding and confidence as you begin to navigate your own route to future security. Discover how education, career choices, and financial planning can lead you in the right direction to making your life simpler, steadier, and more enjoyable.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM**

University of District of Columbia Offered Courses

Economic of Personal Finance – FINA214C

This is an introductory course that will cover strategies to effectively establish and manage financial plans to achieve life goals and objectives. The course will explore managing personal budget, expenses and debt; saving and investing money for the future; and planning for unexpected financial contingencies. This course is developed and delivered through sponsorship by the Guardian Life Insurance Company of America, based on the Guardian's Money Management for Life SM initiative and has been made available to qualified students at minimal financial cost.

Credit: 1.00 **Prerequisite: Acceptance into UDC program** **Term: SEM**

SCIENCE DEPARTMENT

IN-PERSON SCIENCE COURSES

Pre-AP Biology

The course is a semester-long introductory biology course. This course features the study of the fundamental processes of living organisms, with an emphasis on the role of molecular biology and biotechnology in our world. Topics include biochemistry, structure and function of cells, the cell cycle, reproduction, genetics, protein synthesis, evolution, cellular respiration and photosynthesis. Human anatomy and physiology are connected to these core topics, along with basic principles of ecology. Students learn biology by doing and construct meaning from their experiences. The laboratory program consists of quantitative experiments that stress experimental design, data collection, and graphical analysis.

Campus: Collegiate*, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course (*Collegiate: Semester)**

AP Biology

First semester of a year-long course designed to be the equivalent of a college introductory biology course. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. Topics include: the principles of biological chemistry; cytology; cellular energy transformations; heredity; molecular genetics; evolution; ecology; taxonomy and systematics; and the anatomy, physiology, and development of plants and animals. The laboratory program consists of quantitative experiments that stress experimental design, data collection, and graphical analysis. Upon successful completion of the entire yearlong course, students will be prepared for the AP examination in biology.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Pre-AP Chemistry

The course is a semester introductory chemistry course. Topics include scientific method, physical and chemical properties, physical and chemical changes, periodic table, bonding types, conservation of matter, and chemical equilibrium and Le Chatelier's principles, stoichiometry, balancing equations, gas laws and much more. The emphasis is on learning chemical concepts using student-centered activities designed to bridge prior knowledge with chemical knowledge. The primary goal is to bring a level of chemical relevance to the issues of life that we face every day so that the knowledge attained can help students to understand the issues, analyze them and be able to apply the knowledge to the world of chemistry around them. The units of study include Scientific Investigation & Inquiry, Properties of Matter, The Atom and Periodicity, Chemical Bonding, Conservation of Matter, Chemical Equilibrium, Chemical Thermodynamics, Solutions and Acids & Bases, Gas Properties, Nuclear Chemistry, Organic and Biochemistry. Students learn chemistry by doing and construct meaning from their experiences. They also learn how to find mathematical relationships between physical quantities of various matter applying graphical methods as needed. Basic algebra skills are used as a tool to understand these relationships and to solve problems.

Campus: Collegiate*, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course (*Collegiate: Semester)**

AP Chemistry

This course meets the requirements of a general chemistry course taken in the first year of college. It provides students with in-depth understanding of the fundamentals in chemistry and will contribute to the development of the students' critical thinking skills. AP Chemistry primarily deals with the structure and state of matter, and the types of reactions. Structure of matter will cover atomic theory and structure, chemical bonding, and nuclear chemistry. The state of matter will include gases, liquid and solids, and solutions. Study of reactions in AP Chemistry includes acid-base, precipitation, and oxidation-reduction reactions, as well as stoichiometry, equilibrium, kinetics, and laws of thermodynamics. This course also places emphasis on the role of descriptive facts in chemistry in understanding its principles and concepts. Laboratory is an integral part of AP Chemistry and requires students to observe chemical reactions, record the data, calculate and interpret the results, then communicate those results.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Chemistry & Algebra II **Term: SEM** **Duration: Year-Long Course**

Physics

This introductory course in physics is designed to highlight aspects of the physical nature of objects that can range from planetary and gravitational physics on a large scale to everyday thermodynamics. Topics include motion and forces, conservation of energy and momentum, mechanics of fluids, heat and thermodynamics, waves, electromagnetism, and nuclear processes. This course places emphasis on learning physics concepts using student centered activities designed to connect prior ordinary knowledge to a keen interest and knowledge of physical concepts. The students will be exposed to an inquiry-based approach where they will be facilitated into the learning of the aforementioned topics. Students will learn physics by doing and obtain meaning from their in-class experiences. The goal is for students to achieve a level of physics understanding in order to apply the knowledge to new and relevant scenarios within a class setting as well as increase awareness of the world of physics around them. They will also learn how to find mathematical relationships within macroscopic physical properties and/or tendencies applying graphical methods as needed. An understanding of algebra, geometry, and trigonometry are used to understand these relationships and to solve problems.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course (*Collegiate: Semester)**

AP Physics

The goals of AP Physics are to gain the basic knowledge of the discipline of physics, to ask physical questions and to obtain solutions by use of qualitative and quantitative reasoning and by experimental investigation. One of the main focuses of AP Physics-B is on Newtonian mechanics and topics such as kinematics; Newton's laws of motion, work, energy, and power; circular motions and rotation; and oscillation and gravitation. Other topics of AP Physics –B are fluid mechanics and thermal physics, an introduction to electricity and magnetism; wave and optics; and an overview of atomic and nuclear physics.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Algebra II **Term: SEM** **Duration: Year-Long Course**

Environmental Science

This course is a semester-long introductory Environmental Science course. Students will be involved in learning how science works in the world around them. Topics include the Nature of Science, Energy Flow, Resources, and Population Growth. Students also learn how to find mathematical relationships between physical quantities using graphical methods. Basic algebra skills are used as a tool to understand these relationships and to solve problems.

Campus: Collegiate, Tech Prep **Credit: 1.0**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course (*Collegiate: Semester)**

AP Environmental Science

The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the relationships of the Natural world, to identify and analyze environmental problems both Natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions. The AP Environmental Science course covers topics such as Earth's systems and resources, the ecosystem, issues of population, land and water use, energy resources and consumption, pollution, and global change.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: Biology **Term: SEM** **Duration: Year-Long Course**

Environmental Sustainability

In this Project Based Learning (PBL) course, students will investigate and design solutions in response to real world challenges related to clean and abundant drinking water, food supply, and renewable energy.

Campus: Collegiate, Tech Prep **Credit: 1.0**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course (*Collegiate: Semester)**

ONLINE SCIENCE COURSES

All online core courses have an honors option that includes extra assignments and a more rigorous standard of grading.

Biology A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, organization of organisms, evolution, energy use in organisms, and the interdependence of ecosystems. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Lab materials note: Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as a microscope, slides, or biological samples. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Biology with Virtual Labs A/B

This inquiry- and virtual-lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards for high school biology. Content topics include cells, organ systems, heredity, and organization

of organisms, evolution, energy use in organisms, and the interdependence of ecosystems. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a number of virtual lab activities in which students will exercise experimental design, data analysis, and data interpretation skills while working through a simulated laboratory situation. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Advanced Biology A/B

To generate skills for lifelong learning, 25 percent of the lessons in Advanced Biology use student-driven, constructivist approaches for concept development. The remaining lessons employ direct-instruction approaches. In both cases, the lessons incorporate multimedia-rich, interactive resources to make learning an engaging experience. The AP approach to advanced biology topics helps students achieve mastery of abstract concepts and their application in everyday life and in STEM-related

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Chemistry A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school chemistry along with additional concepts and standards typically included in a full-year high school chemistry course. Content topics include atoms and elements, chemical bonding, chemical reactions, quantitative chemistry, molecular-level forces, solutions, and energy and changes in matter. It also addresses additional concepts and standards typically included in a full-year high school chemistry course, including molar concentrations, acid base reactions, advanced stoichiometry, gas laws, and organic compounds. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Lab materials note: Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, test tubes, and chemical reagents.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Advanced Chemistry A/B

Advanced Chemistry includes most of the 22 laboratory experiments recommended by the College Board to provide a complete advanced experience in a blended environment. More than 25 percent of the online lesson modules are inquiry-based and employ online simulations, data-based analysis, online data-based tools, and —kitchen sink labs that require no specialized equipment or supervision. Many of the lessons include significant practice in stoichiometry and other critical, advanced chemistry skills.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Integrated Physics & Chemistry A/B

The lessons in this course employ direct-instruction approaches. They include application and Inquiry-oriented activities that facilitate the development of higher-order cognitive skills, such as logical reasoning, sense-making, and problem solving. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Life Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school life science. Content topics include cells and human body systems, structure and functions of living organisms, genes and adaptations, evolution, energy flow in ecosystems, and interdependence

of ecosystems. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Physical Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with middle school physical science. Content topics include structure and properties of matter, chemical reactions, forces and motion, force fields, energy, and waves. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). Lab materials note: All hands-on labs employ relatively-common household materials. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Physics A/B

Physics introduces students to the physics of motion, properties of matter, force, heat, vector, light, and sound. Students learn the history of physics from the discoveries of Galileo and Newton to those of contemporary physicists. The course focuses more on explanation than calculation and prepares students for introductory quantitative physics at the college level. Additional areas of discussion include gases and liquids, atoms, electricity, magnetism, and nuclear physics. Lab materials note: None of the virtual labs require specialized laboratory materials or tools. Some virtual labs do allow students to make use of common household items—such as paper and a pencil—if they choose.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

High School Earth and Space Science A/B

This inquiry- and lab-based course is designed to support modern science curriculum and teaching practices. It robustly meets NGSS learning standards associated with high school Earth and space science. Content topics include scientific processes and methods, the universe, the Precambrian Earth, the Earth's materials and tectonics, the hydrosphere and atmosphere, and human interactions with the Earth's systems and resources. Each lesson includes one or more inquiry-based activities that can be performed online within the context of the lesson. In addition, the course includes a significant number of hands-on lab activities. Approximately 40% of student time in this course is devoted to true lab experiences, as defined by the National Research Council (2006, p. 3). Lab materials note: Most hands-on labs employ relatively-common household materials. A few labs require specialized scientific equipment or materials, such as an electronic balance (0.01g), graduated cylinders, and a water testing kit. These few specialized labs are optional but provide valuable laboratory experience. School laboratories may be used for these specialized labs or single-student Edmentum Lab Kits may be purchased from Ward's Science. Please refer to the Student Syllabus or Teacher's Guide for details on lab materials.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Dual Enrollment Science Courses

Cornell University Offered Courses

EAS 1220: Earthquakes: The Science of Natural Disaster

This course explores the science of natural hazards, their societal impacts, and means of mitigation. The focus is on earthquakes, volcanoes, and tsunamis, but hurricanes, severe weather, climate change, landslides, wildfires, and the threat of extinction from a future impact by an extraterrestrial body are also considered.

Credit: 1.0 **Prerequisite: N/A** **Term: SEM**

Granite State College Offered Courses

SCI 505 Human Biology

This course is an introductory study of anatomy and physiology that provides a foundation in biological science and the correlation of structure and function of the human body. Topics explored include genetics, heredity, reproduction, endocrinology, immunology and the concept of homeostasis. The building of a relevant vocabulary and a foundation of facts and concepts provides the background needed for further understanding of developments in bio- science and biomedicine.
Credit: 1.0 **Prerequisite: Acceptance into the Granite State Program** **Term: SEM**

Howard University Offered Courses

Howard University
BIOL 801: Environmental Studies I

Environmental studies is an interdisciplinary study in the patterns and processes in the natural world and their modification by human activity. To understand current environmental problems, we need to consider physical, biological, chemical and social processes that are often the basis of those problems. This course will give you the skills necessary to address the environmental issues we are facing today by examining principles across the social and natural systems. This course will survey some of the many environmental topics at an introductory level. We will visit the concept of sustainability, and how this can be realized on campus and in communities.

Environmental Studies & Justice will also connect environmental sciences to social sciences through the lens of Environment Justice. Real world case studies on the impacts of environmental degradation, pollutants, discrimination and climate change will be considered. We will utilize government and scientific data, local testimonies and historical documents to identify and understand Environmental Justice from a community perspective.
Credit: 1.0 **Prerequisite: N/A** **Term: SEM**

Science Department Electives

Online Electives

Agriscience 1: Introduction

How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Introduction to Agriscience. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agriscientists are at the forefront of improving agriculture, food production, and the conservation of natural resources. In Introduction to Agriscience, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.
Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Agriscience 2: Sustaining Human Life

Have you ever strolled past a bright green cauliflower at the market and paused to ponder its unusual color? Ever wonder why "broccolini" is suddenly a thing? Well, if you find yourself curiously questioning these, and other, peculiar vegetables and wondering about the role of agriculture in the modern world, Agriscience II is for you. Learn how science and technology are revolutionizing our food supply and promoting innovative ways to produce healthy plant-based foods, such as developing better hybrids and growing edible plants in challenging places. Food is our most essential resource; see how plant science will change the face of eating in the 21st century and give us the knowledge to continually improve our green thumbs!
Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Agriscience 1** **Term: SEM**

Astronomy 1a: Introduction

Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Astronomy 1b: Exploring the Universe

Building upon the prior prerequisite course, dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Astronomy 1a** **Term: SEM**

Biotechnology 1a: Introduction

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Biotechnology 1b: Unlocking Nature's Secrets

Building on the prior prerequisite course, expand your knowledge in the field of biotechnology. Explore the discovery of antibiotics and the concerns of antibiotic resistance while also examining the agricultural, pharmaceutical, and genetic applications of biotechnology. Finally, learn about the future of biotechnology to understand the depth and breadth of this field.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Biotechnology 1a** **Term: SEM**

Forestry and Natural Resources

Whether you are a tree hugger or not, everyone loves the beauty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Foundations of Green Energy

This is a two-semester CTE course for high school students who want to understand the rapidly growing and evolving energy field, with special emphasis on electrical energy and on new and emerging energy technologies. The course is designed to address state standards in the Energy and STEM domains as well as the Energy Industry Fundamentals Certificate Program (EIFCP) standards developed by the Center for Energy Workforce Development (CEWD). Unit topics include the energy industry; energy science and efficiency; electrical generation, transmission, and distribution; conventional, alternative, and emerging energy sources; health, safety, and security issues; and energy careers and pathways, from entry level to professional.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Great Minds in Science: Ideas for a New Generation

Sometimes there are simply more questions than answers. Does life exist on other planets? How extreme is the human ability to survive? Will the issue of global warming ever be solved? Today, scientists, explorers, and writers are working to answer such questions by using extensive inquiry to find innovative solutions. Similar to such famous minds from history as Edison, Einstein, Curie, and Newton, the scientists of today are finding ways to revolutionize our lives and the world. Great Minds in Science: Ideas for a New Generation takes an in-depth look at the extraordinary work of these individuals and demonstrates how their ideas may very well shape the world of tomorrow.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Marine Science: Secrets of the Blue

Have you ever wondered about the secrets of the deep, and how the creatures below the ocean's surface live and thrive? It is truly a new frontier of discovery, and in Marine Science you will begin to better understand the aquatic cycles, structures, and

processes that generate and sustain life in the sea. Through the use of scientific inquiry, research, measurement, and problem solving, you will conduct various scientific procedures that will lead to an increased level of knowledge about Marine Science. You will also have the opportunity to use technology and laboratory instruments in an academic setting. By recognizing the inherent ethics and safety procedures necessary in advanced experiments, you will become progressively more confident in your abilities as a capable marine scientist.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Veterinary Science: The Care of Animals

Lions and tigers and bears (oh my!) Whether you want to step into the wild side of veterinary medicine or just take care of the furry dogs and cats down your street, Veterinary Science: The Care of Animals will show you how to care for domestic, farm, and wild animals and diagnose their common diseases and ailments. Learn how different veterinary treatments are used and developed to improve the lives of animals and, as a result, the lives of those people who treasure them. If you have always been drawn to the world of our furry, scaly, and feathered friends, this may be just the course for you!

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Arizona State University Offered Courses

Introduction to Solar Systems Astronomy – AST 111

Have you ever looked up at the night sky and marveled at the vastness and complexity of space? We invite you to take a deeper dive into the mind-blowing world of astronomy. At the end of this course, you will walk away with the knowledge to answer the following questions:

- Where did our solar system come from?
- How is our solar system structured?
- What makes up our solar system - what are its con- tents?
- What are solar planetary systems?
- What is the history of the field of astronomy?
- Why are the various properties of light important to astronomy?
- What are the various instruments used in astronomy and how are they used?

Throughout the course, we will also take a look at nearby stars and learn about the Lowell Observatory, the Challenger Space Center, the Discovery Channel Telescope, and Meteor Crater, the largest meteor impact site in the world. Additionally, you'll take a virtual tour of the Lunar Exploration Museum and the home of the Mars Space Flight Facility where scientists are using spacecraft to explore the geology of Mars.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

SOCIAL STUDIES DEPARTMENT

IN-PERSON SOCIAL STUDIES COURSES

Pre-AP World History and Geography

This course spans the Middle Ages to the Industrial Revolution. Students examine the development of global trade and interaction; the influence of geography on
cultures and societies; early colonization and contact; and the transition and development of the modern world.

Campus: Tech Prep, Collegiate* **Credit: 1.0 Prerequisite: N/A** **Term: Year-Long Course (*Collegiate: Semester)**

World History II

This course emphasizes the emergence of the modern era, beginning with the Industrial Revolution. The course is based on four major themes: human interactions; hemispheric interactions; crisis, progress, and change in the 20th century; and the challenges of the 21st century.

Campus: Tech Prep, Collegiate* **Credit: 1.0 Prerequisite: WH I** **Term: Year-Long Course (*Collegiate: Semester)**

AP World History: Modern

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 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 connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

United States History

This course illustrates how the American political, economic and social system developed. Topics like nationalism, sectionalism, Civil War, Reconstruction, Industrialism, and Immigration are examined to illustrate the development of these strands during the 19th century. Twentieth century content expands to include is- sues related to the development of foreign policy, the role of the United States as a world leader, and the domestic response to a diversified population and issues such as reform and civil rights.

Campus: Tech Prep, Collegiate* **Credit: 1.0 Prerequisite: N/A** **Term: Year-Long Course (*Collegiate: Semester)**

AP US History

This course is designed to provide students with the analytic and factual knowledge necessary to deal critically with the problems and materials in US history. The AP United States History covers themes such as American diversity, identity, and culture; demographic changes and economic transformation; environment and globalization; politics, citizenship, and political reforms; religion; slavery and its legacy; and war and diplomacy. The chronological frame of this course begins with pre-Columbian societies covering early inhabitants of the Americas, and continues to the post-cold war era.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

American Institution

Course provides students with a comprehensive examination of the basic concepts and principles of our local and federal system of government. Course study includes a focus on the foundations of government; an overview of the United States political system; study of the legislative, executive, and judicial branches of government; exploration of citizenship rights and responsibilities; examination of structure and functions of state and local governments; and study of global perspective on government relationships. By examining local and national examples, students gain a greater understanding of how the institutional forces of government, media, market economics, and special interest affect their lives. The course prepares students to become active citizens, able to leverage their position in- side the American Institution to shape the future. Course equivalent to AP US Government & Politics.

Campus: Tech Prep, Collegiate **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

AP US Government and Politics

The study of modern politics in the United States requires students to examine the kind of government established by the constitution, paying particular attention to federalism and the separation of powers. The AP US Government and Politics gives students an analytical perspective on political beliefs and behaviors, political parties and interest groups, and the function and impact of mass media. It also covers institutions of National government, public policymaking, and civil rights and liberties.

Campus: Tech Prep, Collegiate **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

DC History

This semester-long course provides students with a comprehensive examination of the basic concepts and principles of our local and federal system of government. Course study includes a focus on the foundations of government; an overview of the United States political system; study of the legislative, executive, and judicial branches of government; exploration of citizenship rights and responsibilities; examination of structure and functions of state and local governments; and study of global perspective on governmental relationships. The entire course is designed to instill in students the qualities of good

citizenship that will enable them to put knowledge into action; and to provide students with the skills they need to participate fully in our democratic society.

Campus: Tech Prep, Collegiate **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

ONLINE SOCIAL STUDIES COURSES

World History Survey A/B

In World History Survey, learners will study major historical events from early human societies through to the present day. Multimedia tools including custom videos as well as videos from the BBC, custom maps, and interactive timelines will help engage learners as they complete this year-long course. Topics of study include early civilizations, world religions, the Renaissance, the World Wars, and the globalized world of today.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

World History 9 A/B

In World History 9, students learn about major historical events that took place around the world. Students trace the development of early humans. Students study the development of early civilizations of the Middle East, North Africa, Asia and the Americas. Learners analyze the development and characteristics of early civilizations of India and China. The course also explores the later civilizations of the Mediterranean and the Middle East as well as the transformation of western Europe during the late Middle Ages.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

World History A/B

In World History, learners will explore historical world events with the help of innovative videos, timelines, and interactive maps and images. Learners will develop historical thinking skills and apply them to their study of European exploration, the Renaissance, the Reformation, and major world revolutions. They will also study World War I, World War II, the Cold War, and the benefits and challenges of living in the modern world.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

U.S. History A/B

This course not only introduces students to early U.S. History, but it also provides them with an essential understanding of how to read, understand, and interpret history. For example, the first unit, The Historical Process, teaches reading and writing about history; gathering and interpreting historical sources; and analyzing historical information. While covering historical events from the founding events and principles of the United States through contemporary events, the course also promotes a cross-disciplinary understanding that promotes a holistic perspective of U.S. History.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

District of Columbia History and Government

District of Columbia History and Government is a one-semester online course designed to address the learning standards and support the chronological scope, sequence, and structure laid out for this 12th grade District of Columbia social studies course. Students learn through a balance of direct instruction and constructivist learning experiences, supporting both concept acquisition and knowledge-building skills. Course pedagogy is guided by the National Council of Social Studies (NCSS) content and process standards: the C3 (College, Career, and Civic Life) Framework and the NCSS National Curriculum Standards.

Campus: Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

U.S. Government

The interactive, problem-centered, and inquiry-based units in U.S. Government emphasize the acquisition, mastery, and processing of information. Semester A units include study of the foundations of American government and the American political culture, with units 2 and 3 covering the U.S. constitution, including its roots in Greek and English law, and the various institutions that impact American politics.

Campus: Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Dual Enrollment Social Studies Courses

Arizona State University Offered Courses

Western Civilization: Ancient and Medieval Europe - HIST 102

This course provides a fascinating journey through the history of Europe and the Mediterranean from ancient times through 1500 AD. You will learn about a number of cultures and periods, including: Egypt and Mesopotamia, Greece, Rome, Judaism, The Byzantine Empire, The Rise of Islam, and Medieval Europe.

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: Semester**

Granite State College Offered Courses

HIS 502 Great Civilizations

This course examines the rise of civilizations throughout the world, tracing the history of human societies from their beginnings until the European discovery of America. After surveying the prehistoric period and early civilization, the course focuses on the religious, political and cultural characteristics of Asian and Arabic civilizations in the East and Middle East, and on Greco-Roman antiquity and the Middle Ages in the West.

Credit: 1.0 **Prerequisite: Acceptance into Granite State Program** **Duration: Semester**

Social Studies Department Electives

Online Electives

Human Geography: Our Global Identity

Modern humans have been roaming the earth for about 200,000 years. How do the places we live influence the way we live? How do geography, weather, and location relate to our customs and lifestyles? In Human Geography: Our Global Identity, you will explore the diverse ways that different people have physically influenced the world around them and how they, in turn, are changed by their surroundings. Discover how beliefs and ideas spread through time, shaping and changing the cultures they encounter. In this course, you'll gain tremendous insight into human geography and begin to better understand the important relationship between humans and their environments.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

World Geography A/B

In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to explore it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

WORLD LANGUAGES DEPARTMENT

IN-PERSON WORLD LANGUAGE COURSES

Mandarin I

This course is an introduction to Mandarin Chinese, the official language of China. The emphasis will be on spoken Mandarin. Students will learn how to handle everyday situations, explain their life, family, interests, pastimes and more and they will also learn how to inquire about the same. Although oral communication will be our focus, learning to read and write simplified Chinese characters (and pinyin) will also be an important part of the class. Together we will explore many interesting aspects of

Chinese culture and history. The textbook, Huan Ying series: An Invitation to Chinese, introduces more than 280 words and phrases and 84 written characters. Appendices with Chinese-English and English-Chinese "Words and Expressions" contain pinyin, English, and traditional and simplified character listings for words learned in the text. This textbook is in simplified characters.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Mandarin II

This course is for students who, having successfully developed strong basic skills, are ready to increase proficiency in oral comprehension and in the speaking, reading and writing skills of Mandarin Chinese. Readings are real-life dialogues emphasizing proper use of Mandarin with the goal of developing vocabulary and fluency. Written and oral precision will be emphasized. Authentic materials will be studied. Culture content is incorporated into instruction. Students can write short articles by either hand writing or typing Chinese characters

Campus: Tech Prep **Credit: 1.0** **Prerequisite: Mandarin II** **Term: SEM**

Mandarin III

This course is designed as project-based learning to build upon the topics previously visited in prerequisite courses. Students read intermediate-level texts, view target-language films, and continue to expand upon the cultural and historical knowledge. The level III course is based on the students and their knowledge needs to achieve native-like status.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: Mandarin II** **Term: SEM**

Spanish I

In Spanish I, students cover a wide range of topics: greetings, food, clothes, numbers, sports, games, likes, dislikes, and travel. In addition to the core curriculum, level I students are introduced to art, literature, and history that relates to the countries of the studied culture. Students also learn basic grammar and vocabulary, beginning to develop listening, speaking, reading, and writing skills. Mastering a limited set of structural and lexical objectives used in common daily conversations and students learn how to pronounce in the target language.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Spanish II

In Spanish II, students cover topics like hobbies, family life, town life, friends, the body, and celebrations. In addition to the core curriculum, level II students continue their studies in art, literature, and history. Students also master more complicated grammar and vocabulary, continuing to develop listening, speaking, reading, and writing skills. Mastering a larger set of structural and lexical objectives used in conversations, students master intonation and pronunciation as they will be prepared to live in a Spanish-speaking country upon their successful completion. Field trips, cinematic exposure, and food tastings are a few of the fun experiences in which we partake.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: Spanish I** **Term: SEM**

ONLINE WORLD LANGUAGE COURSES

French 1 A/B

These courses are based on a researched scope and sequence that covers the essential concepts of French. Class discussions provide an opportunity for discourse on specific topics in French. A key support tool is the Audio Recording Tool that enables students to learn a critical skill for French: listening and speaking. Beginning with learning personal greetings and continuing through practical communications exchanges, French 1B introduces students to the skills necessary to make the most of traveling to French-speaking countries

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

French 2 A/B

Each of these semesters is designed to build on the principles mastered in French 1 and use a combination of online curriculum, electronic learning activities, and supporting interactive activities to fully engage learners. Unit pretests, post-tests,

and end-of-semester tests identify strengths and weaknesses, helping to create a more personalized and effective learning experience. As with French 1, these 90-day courses emphasize practical communication skills while also building intercultural awareness and sensitivity

Campus: Online **Credit: 0.5**
Prerequisite: French 1 **Term: SEM** **Duration: Year-Long Course**

French 3 A/B (EdOptions Academy Only)
In this expanding engagement with French, students deepen their focus on four key skills in foreign language acquisition: listening comprehension, speaking, reading, and writing. In addition, students read significant works of literature in French, and respond orally or in writing to these works. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to purchase items (virtual clothing, gadgets, scenery, etc.) at the "Avatar store". Continuing the pattern, and building on what students encountered in the first two years, each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and multimedia cultural presentations covering major French-speaking areas in Europe and the Americas. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages)

Campus: Online **Credit: 0.5**
Prerequisite: French 2 **Term: SEM** **Duration: Year-Long Course**

German 1 A/B
As with all Edmentum world language courses, German 1 A and B address two primary issues: providing a meaningful context that encourages learners to think in the target language as much as possible; and introducing grammatical concepts without over reliance on grammatical analysis. German 1A focuses on communicating basic and practical greetings and personal information. German 1B consists of five units over about 14 weeks, with an emphasis on a variety of practice types throughout the course.

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

German 2 A/B
According to The Economist and the Census Bureau, German-American is America's largest single ethnic group, with over 46 million Americans claiming German Ancestry. German 2 A and B tap into learners' latent interest in their cultural past, present, and future. These courses employ direct instruction approaches, including application of the target language through activities. Each unit in the course includes a predefined discussion topic. These discussions provide an opportunity for discourse on specific topics in German

Campus: Online **Credit: 0.5**
Prerequisite: German 1 **Term: SEM** **Duration: Year-Long Course**

Latin 1 A/B (EdOptions Academy Only)
Students begin their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to purchase items (virtual clothing, gadgets, scenery, etc.) at the "Avatar store". Each week consists of a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages)

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

Latin 2 A/B (EdOptions Academy Only)
Students continue their introduction to Latin with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. The course consists of 180 lesson days formatted in an intuitive calendar view, which can be divided into two 90-day semesters and represents an ideal blend of language learning pedagogy and online learning. As students begin the course, they construct their own Avatar that accumulates "Avatar bucks"—by performing well on course tasks—to purchase items (virtual clothing, gadgets, scenery, etc.) at the "Avatar store". Each week consists of a new vocabulary theme and grammar concept, a notable ancient myth in Latin, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, and cultural presentations covering significant aspects of Roman culture or their modern-day manifestations, and assessments. The course has been carefully aligned to national standards as set forth by ACTFL (the American Council on the Teaching of Foreign Languages)

Campus: Online **Credit: 0.5**
Prerequisite: Latin 1 **Term: SEM** **Duration: Year-Long Course**

Spanish 1 A/B
Learning a new language is a multi-faceted experience in which you are introduced to a whole new set of words and ways of expressing yourself with words, along with new cultures formed by people who have been speaking that language for centuries. The Spanish-speaking world is vast and rich, spanning Spain in the Iberian Peninsula and many parts of North, Central, and South America, all with varied ethnic and political histories and cultures. In Spanish 1A, students will be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of social life. Students will start with basic sentence structures and grammatical tools, and they will learn to communicate by listening, speaking, reading, and writing in Spanish as they learn new vocabulary and grammar. They will also learn about some regions of the Spanish-speaking world that the central characters of each unit are visiting. In Spanish 1B, students will be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities

Campus: Online **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

Spanish 2 A/B
Spanish 2A and B utilize three assessment tools that are designed specifically to address communication using the target language: Lesson Activities, Unit Activities, and Discussions. These tools help ensure language and concept mastery as students grow in their understanding and use of Spanish. Learning games specifically designed for language learning are used and can be accessed on a wide variety of devices

Campus: Online **Credit: 0.5**
Prerequisite: Spanish 1 **Term: SEM** **Duration: Year-Long Course**

Spanish 3 A/B
Spanish 3A and B take a unique approach by setting the lessons in each unit in a specific Spanish-speaking locale, immersing students in the language and in a variety of Hispanic cultures and issues. For example, Unit 5 in Semester B includes a discussion of the environmental issues in Argentina. Concluding the three-year cycle of Spanish courses, Spanish 3A and B effectively combine group and individual learning and offer activities and assessments to keep students engaged an on track

Campus: Online **Credit: 0.5**
Prerequisite: Spanish 2 **Term: SEM** **Duration: Year-Long Course**

DUAL ENROLLMENT WORLD LANGUAGE COURSES

Granite State College Offered Courses

HUMN 560 Elementary Spanish I

This is the first of a two-course sequence in which students build a foundation for speaking and understanding the Spanish language. It presents introductory grammar and vocabulary in order to lay the groundwork for comprehension, communication, and interest in Spanish and Spanish-speaking cultures. Students develop a basic proficiency in the language through practice in reading, writing, listening comprehension and oral expression.

Credit: 1.00 **Prerequisite: Acceptance into Granite State Program** **Term: SEM**

PHYSICAL EDUCATION & HEALTH

IN-PERSON PE/HEALTH COURSES

Health

Students enrolled in Health Education will be required to create wellness programs for the school to promote overall physical activity and healthy living in the areas of nutrition, social and family health, alcohol, tobacco, and other drugs, teenage pregnancy, Sexually Transmitted Diseases, Communicable and Non-Communicable Diseases, and First AID/CPR.

Campus: Tech Prep, Collegiate, Online **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Physical Education

Students will explore a wide range of physical activities including individual, partner, team sports, and fitness. Students will maintain a personal record of participation in physical activity and analyze the benefits of exercise. They will develop their understanding of their physical and psychological preferences, and make decisions about the types of physical activities they most enjoy and want to pursue.

> **Please Note:** Physical Education (Sports/Athletics)
> Students that participate in sports and athletics for one or more seasons may earn 0.5 or 1.0 Physical Education credit. If approved by the Athletic Director, students would receive credit as pass/fail rather than receive a letter grade. *Eligible Athletics: Boys Basketball, Girls Basketball, Baseball, Cheerleading, Dance, Football, Flag Football, Tennis, and Track and Field, and Volleyball.*

Campus: Tech Prep, Collegiate, Online **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

ONLINE PE/HEALTH COURSES

Nutrition and Wellness

Have you ever heard the phrase "your body is your temple" and wondered what it means? Keeping our physical body healthy and happy is just one of the many challenges we face, and yet, many of us don't know how to best achieve it. Positive decisions around diet and food preparation are key to this process, and you will find the essential skills needed to pursue a healthy, informed lifestyle in Nutrition and Wellness. Making sure you know how to locate, buy, and prepare fresh delicious food will make you, and your body, feel amazing. Impressing your friends and family as you nourish them with your knowledge? That feels even better

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Dual Enrollment PE/Health Courses

Arizona State University Offered Courses

Introduction to Health & Wellness – HEP 100
This 3-credit hour health and wellness course focuses on the latest trends in health, exercise, and wellness. From stress management and emotional health, to overall well-being, we will explore personal health, health related attitudes and beliefs, and individual health behaviors. This course satisfies the Social-Behavioral Sciences (SB) general studies requirement at Arizona State University (ASU). This course may satisfy a general education requirement at other institutions; however, you are strongly encouraged to consult with your institution of choice to determine how these credits will be applied to degree requirements prior to transferring credit
Credit: 1.0 **Prerequisite: Acceptance into ASU program** **Term: SEM**

Granite State College Offered Courses

SCI 502 Nutrition Concepts and Controversies
This course provides the student with a foundation in the science of nutrition and the knowledge necessary to separate nutrition fact from fallacy. The research supporting direct and indirect links between nutrition and disease is examined. In addition, current controversial issues are discussed along with the validity of nutrition related claims.
Credit: 1.0 **Prerequisite: Acceptance into Granite State program** **Term: SEM**

SCI 506 Physiology of Wellness
This course provides the student with a background in basic physiological processes related to overall health and fitness. Topics include metabolism, homeostasis, how body systems work together, nutrition, and exercise. Factors that interfere with healthy physiological functioning are examined. In addition, common diseases such as diabetes, obesity, high cholesterol, hypertension, heart disease, and asthma are discussed in light of physiological and environmental factors that increase the risk of these diseases. Genetic predisposition to disease is also examined. Finally, measures to maintain overall health and fitness are addressed.
Credit: 1.0 **Prerequisite: Acceptance into Granite State program** **Term: SEM**

Trinity Washington University Offered Courses

PEH 121: Nutrition & Wellness
Identifies nutritional challenges affecting overall health. Topics include making conscious choices regarding nutrition, incorporating new food groups, identifying signs of emotional eating, body image issues, stress and time management, online tools to evaluate one's food consumption and activity levels, and finding and utilizing available nutrition resources. 3 Credits
Prerequisites: None
Campus: Collegiate **Credit: 1.0**
Prerequisite: Acceptance into ATC Program and Principles of Health Science **Term: SEM**

COLLEGE AND CAREER PREP ELECTIVES

IN-PERSON COLLEGE AND CAREER PREP ELECTIVES

College & Career Prep Advisory 9
Scholars will obtain a deeper understanding of what it means to be ready for college through high school exploration. Scholars are informed about the importance of high school performance in college admissions and how to prepare for college testing,

learn about the different types of schools and degrees they may choose to pursue after high school and gain wide exposure to the financial resources available that make college attainable.
Campus: Tech Prep, Collegiate **Credit: 0.5** **Prerequisite: N/A** **Term: Year**

College & Career Prep Advisory 10
Scholars will obtain a deeper understanding of what it means to be ready for college through high school exploration and character building. Scholars are informed about the importance of high school performance in college admissions and how to prepare for college testing, learn about the different types of schools and degrees they may choose to pursue after high school and gain wide exposure to the financial resources available that make college attainable. In career readiness, scholars will connect the link between interests, college majors, and future careers by analyzing career clusters.
Campus: Tech Prep, Collegiate **Credit: 0.5** **Prerequisite: N/A** **Term: Year**

College & Career Prep Advisory 11
Scholars will obtain a deeper understanding of what it means to be ready for college through SAT and ACT test preparation. Scholars are informed about the importance of high school performance in college admissions and how to prepare for college testing, learn about the different types of schools and degrees they may choose to pursue after high school and gain wide exposure to the financial resources available that make college attainable. In career readiness, scholars will connect the link between interests, college majors, and future careers by analyzing career clusters. They will begin to understand how smart preparation and skill development in high school can lead into expansive career opportunities after they have completed their education and are ready for the working world.
Campus: Tech Prep, Collegiate **Credit: 0.5** **Prerequisite: N/A** **Term: Year**

College & Career Prep Advisory 12
Scholars will obtain a deeper understanding of what it means to be ready for college through college and career discovery and a financial aid process. Scholars are informed about the importance of high school performance in college admissions and how to prepare for college testing, learn about the different types of schools and degrees they may choose to pursue after high school and gain wide exposure to the financial resources available that make college attainable. In career readiness, scholars will connect the link between interests, college majors, and future careers by analyzing career clusters. They will begin to understand how smart preparation and skill development in high school can lead into expansive career opportunities after they have completed their education and are ready for the working world.
Campus: Tech Prep, Collegiate **Credit: 0.5** **Prerequisite: N/A** **Term: Year**

Freshman Seminar *(Formerly Explore A/E)*
This course is designed to help incoming freshmen manage the academic rigor and social issues of high school, that includes: various study-skills, note-taking, and reading and writing strategies. Additionally, Freshman Seminar will cover introductory courses to Engineering and Urban Sustainability academy tracks to help guide freshmen in identifying their selected academy tracks.
Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

ONLINE COLLEGE AND CAREER PREP COURSES

ACT® English
The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. ACT® is a registered trademark of ACT, Inc.
Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

ACT® Mathematics
The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. ACT® is a registered trademark of ACT, Inc.
Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

ACT® Reading

The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. ACT® is a registered trademark of ACT, Inc.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

ACT® Science Reasoning

The ACT assesses high school students' general educational development and their ability to complete college-level work. Our course prepares students to take the test by learning the content ideas they will be tested on. ACT® is a registered trademark of ACT, Inc.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

ACT® WORKKEYS

WorkKeys is a job skills assessment system that helps employers select, hire, train, and retain a high-performance workforce. WorkKeys scores help compare a learner's skills to the skills real jobs require. ACT WorkKeys assessments are divided into the following subdivisions: ACT WorkKeys - Applied Mathematics - Leveled ACT WorkKeys - Graphic Literacy ACT WorkKeys - Workplace Documents ACT and WORKKEYS are registered trademarks of ACT, Inc.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Cosmetology 1: Cutting Edge Styles

We all want to look our best, but did you know there is actually a science behind cutting your hair and painting your nails? In Cosmetology: Cutting Edge Styles, you will learn all about this often entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course!

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Cosmetology 2: The Business of Skin and Nail Care

Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nails, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Cosmetology 1** **Term: SEM**

Cosmetology 3a: Introduction to Hair Skills

Cosmetology is a specialized field with a high skill set. Students taking this course will be exposed to the complexities of cosmetology by learning to perform a hair, scalp, and skin analysis. Students will also learn about hair types, face shapes, and color theory. Finally, to effectively prepare students for a career in cosmetology, color techniques with an emphasis on salon and chemical safety is examined.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Cosmetology 2** **Term: SEM**

Cosmetology 3b: Waving, Coloring, and Advancing Hair Skills

Building on the prior prerequisite course, students will delve into the realm of hairstyling and cutting techniques. Students will explore varieties of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. Students can expect to be well versed with a plethora of hair skills upon completion.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Cosmetology 3a** **Term: SEM**

Introduction to Military Careers

This one-semester course introduces the US military and describes each of its branches, which include the National Guard, Army, Navy, Marine Corps, Coast Guard, and Air Force. Students also learn about the relationship of the military reserve to the branches of the military. The course covers non-combat careers in the military, such as military intelligence, information technology, health care, legal services, logistics, aviation, and transportation, and other specialized careers. This course also covers enlistment and fitness requirements for military careers and personal traits that are essential for success in the military. The 16 lessons in the course provide students with both breadth and depth, as they learn about the US Military. Online discussions and course activities require students to develop and apply critical thinking skills while the included games appeal to a variety of learning styles and keep students engaged.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Hospitality 2a** **Term: SEM**

Life Skills: Navigating Adulthood

what do you want out of life? How do you achieve your dreams for the future? These can be difficult questions to answer, but with the right tools, they don't have to be. This course will encourage you to learn more about yourself and help you to prepare for the future. You will explore goal setting, decision making, and surviving college and career. You will also discover how to become a valuable contributing member of society. Now is the time to take action. It's your life, make it count!

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Military Careers: Introduction

Most of us have seen a war movie; maybe it had a hotshot aviator or a renegade private or a daring Special Forces operative. But outside of these sensationalized portrayals, do you really understand how the military works or what it can do for you? The military offers far more career diversity than most people imagine, and Introduction to Military Careers will provide the information you need to gain a broader understanding of how to find the right fit. You will learn about the five military branches— Air Force, Army, Coast Guard, Marines Corps, and Navy—and examine which jobs you might like to pursue. From aviation, to medicine, to law enforcement, the military can be an outstanding place to achieve your dreams in a supportive and well-structured environment.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Peer Counseling

Are you the person that people come to for advice? Does it seem that your friends always talk to you about their problems? If so, Peer Counseling may be the perfect course for you. It offers ways for you to explore this valuable skill and better understand how it can make a difference in the lives of others. Helping people achieve their personal goals is one of life's most rewarding experiences, and Peer Counseling will show you the way to provide support, encouragement, and resource information. Learn how to observe others as a Peer Counselor as you carefully listen and offer constructive, empathic communication while enhancing your own communication skills.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Public Speaking 1a: Introduction

Do you strive to gain more confidence when speaking in front of people? Learn techniques from famous speakers throughout history while learning what it takes to make a great speech. Develop skills that will serve you well throughout your career and personal life.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Public Speaking 1b: Finding Your Voice

Bring your speeches to life by learning about body language, vocal, and other techniques. Learn about logic and reason while gaining the confidence to help create and deliver great presentations and speeches. You will also critically examine your speeches and presentations and those of others to improve upon your in-person and virtual presentation skills.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Public Speaking 1a** **Term: SEM**

SAT® Language Arts

The SAT assesses academic readiness for college. It keeps pace with what colleges are looking for today, measuring the skills required for success in the 21st century. Our course prepares students to take the test by learning the content ideas they will be

tested on. SAT® is a registered trademark of the College Board, which was not involved in the production of, and does not endorse, this product.
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: N/A Term: SEM

SAT® Mathematics
The SAT assesses academic readiness for college. It keeps pace with what colleges are looking for today, measuring the skills required for success in the 21st century. Our course prepares students to take the test by learning the content ideas they will be tested on. SAT® is a registered trademark of the College Board, which was not involved in the production of, and does not endorse, this product.
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: N/A Term: SEM

SAT® Reading
The SAT assesses academic readiness for college. It keeps pace with what colleges are looking for today, measuring the skills required for success in the 21st century. Our course prepares students to take the test by learning the content ideas they will be tested on. SAT® is a registered trademark of the College Board, which was not involved in the production of, and does not endorse, this product
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: N/A Term: SEM

Workplace and Internship Readiness: Preparing for Work & Life
Starting your first "real" job can be intimidating. But when you know what to expect and learn how to be successful, you'll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: N/A Term: SEM

DUAL ENROLLMENT COLLEGE AND CAREER COURSES

Granite State College Offered Courses

COMM 542 Interpersonal Communication and Group Dynamics
Designed to provide both a theoretical and practical introduction to interpersonal communication and group dynamics, this course provides an awareness of the unique process, purposes, problems and possibilities of communication. Emphasis is placed on participation and awareness of communication behaviors, both in interpersonal settings and in small groups, as portrayed in the generic roles of member, leader, and process observer. The course helps students to understand the complex nature of relationships through analysis of the concepts of collaboration, cohesiveness, group decision- making, conflict resolution, the function of teams, and the role of facilitation. COMM 542 guides students in developing basic interpersonal, intercultural, and group communication skills that they can apply to personal and professional encounters in everyday life.
Credit: 1.0 Prerequisite: Acceptance into Granite State Program Duration: Semester

CRIT 501 Critical Inquiry
Critical Inquiry provides the foundation for an informed and meaningful college experience through the cultivation of intellectual curiosity. In CRIT 501, students explore how their individual capacities position them for the attainment of their goals within the academic community of Granite State College. Through the study of media and popular culture and the completion of short writing assignments, students learn how to develop and scale a personally motivated research question, refine their topic, and determine effective search strategies for finding credible and appropriate information. An important part of the research process is learning how to analyze different types of argument in order to participate responsibly with public discourse. This process includes discussions of how to evaluate information sources from a variety of venues. Critical Inquiry fosters the self-awareness and intellectual perspective that are the hallmarks of well-educated per- sons and lifelong, engaged students in the twenty-first century.
Credit: 1.0 Prerequisite: Acceptance into Granite State Program Duration: Semester

Trinity Washington University Offered Courses

TWU IN100 Academic Success Seminar

In this course students will learn the behavioral and life skills necessary for success in college. Topics include academic planning, time management and study skills, effective relationship management and teamwork, critical and creative thinking, and techniques for successful academic performance. (5 week 1 credit class)

Campus: Collegiate **Credit: 0.25** **Prerequisite: Acceptance into ATC program** **Term: SEM**

University of District of Columbia Courses

Public Speaking – SPCH115C

Investigates informative speaking, persuasion, group discussion, impromptu, manuscript, and extemporaneous formats. Includes basic speech writing and presentation of speeches

Credit: 1.0 **Prerequisite: Acceptance into UDC Program** **Duration: Semester**

BUSINESS ELECTIVES

IN PERSON BUSINESS ELECTIVES

BUILD

BUILD's mission is to use entrepreneurship to excite and propel disengaged students through high school to college success. In this introductory business course, students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to come up with new business ideas, write a business plan, attract investors, market their business, and manage expenses. The course culminates in a presentation where student teams present their business plans to venture capitalists to receive funding.

Campus: Collegiate **Credit: 0.5**
Prerequisite: N/A **Term: SEM** **Duration: Year-Long Course**

ONLINE BUSINESS ELECTIVES

Advertising and Sales Promotion

What comes to mind when you think of 'marketing'? Perhaps a familiar television jingle plays in your head? Or maybe you think of those irritating sales phone calls? There's no denying the sheer magnitude and power of the marketing industry. Every year companies spend approximately $200 billion promoting their products and services—and that's just in the United States alone! You may be familiar with being on the receiving end of marketing, but what's it like on the other side? In Advertising and Sales Promotions, you'll see how these marketing campaigns, ads, and commercials are brought to life and meet some of the creative folks who produce them. You'll learn about different marketing career opportunities and discover ways to be part of this exciting, fast-paced industry

Campus: Collegiate, Online, Tech Prep **Credit: .5** **Prerequisite: N/A** **Term: SEM**

Culinary Arts 1a: Introduction

Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Culinary Arts 1b: Finding Your Palate

Did you know that baking is considered a science? Discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. Explore careers in the culinary arts for ways to channel your newfound passion!

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Culinary Art 1a** **Term: SEM**

Culinary Arts 2: Baking, Pastry, and More!

Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Culinary Art 1b** **Term: SEM**

Economics

This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.

Campus: Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Entrepreneurship 1a: Introduction

Starting a business is more than just having a good idea. Successful entrepreneurs know how to use and apply fundamental business concepts to turn their ideas into thriving businesses. Explore topics such as identifying the best business structure, business functions and operations, finance, business laws, regulations, and more! If you have ever dreamed of making a business idea a reality, take the time to establish a solid foundation of business skills to make your business dreams come true!

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Entrepreneurship 1b: Make Your Idea a Reality

You have the business idea; now it's time to go from dream to reality. Throughout this course, you'll explore different topics representing the major parts of a business plan, such as risk, hiring, pricing, marketing, and more. By completing activities, you'll create a viable document you can use to help you start your business by the end of the course. Let's bring your dream to life!

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: Entrepreneurship 1a** **Term: SEM**

Food Handler and Food Manager Certifications

The Food Handler and Food Manager Certifications course helps students learn what they need to know to be successful in the National Restaurant Association (NRA) ServSafe® Food Handler and Manager Certification exam. The five units of the course arm students with the knowledge and skills to provide safe food to customers as a food handler or a food manager. Key topics include the principles of food safety, hygiene practices, time and temperature control, food procedures from initial purchasing to final serving, procedures for cleaning and sanitizing, and food service inspection protocols.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Hospitality & Tourism 1: Traveling the Globe

Think about the best travel location you've ever heard about. Now imagine working there. In the 21st century, travel is more exciting than ever, with people traversing the globe in growing numbers. Hospitality and Tourism: Traveling the Globe will introduce you to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around the world of leisure and travel, spotting trends, and planning tasteful events are just a few of the key aspects you will explore in this course as you locate your own career niche in this exciting field.

Campus: Collegiate, Online, Tech Prep **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Hospitality and Tourism 2a: Hotel and Restaurant Management

If you love working with people, a future in hospitality may be for you. In Part 1 of Hospitality and Tourism 2: Hotel and Restaurant Management, you will learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. As well, you will discover trends and technological advances that make each industry exciting and innovative. In Part 1, you can explore a variety of interesting job options from Front Desk and Concierge services to Maître d and food service.

Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: Hospitality 1 Term: SEM

Hospitality and Tourism 2b: Hotel and Restaurant Management

Take the next steps towards an exciting and fast-paced career with Hospitality and Tourism 2b: Hotel and Restaurant Management. Build on the skills you learned in 2a and delve deeper into one of the fastest growing industries in North America. You'll learn how to open and run your own hotel or restaurant, while reviewing the laws, regulations, and financial structure that constitute restaurant operations. Hone your management, communication, and leadership skills and explore the HR policies and processes that will help guide you to source the right talent for your business. You will also learn the importance of how to market your hotel or restaurant through networking, technology, and social media.

Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: Hospitality 2a Term: SEM

International Business: Global Commerce in the 21st Century

Imagine meeting with suppliers at an office in Europe while calling your salesroom that's back in Asia. Imagine investing in foreign markets and visiting partners in exotic locales. With the evolution of current technology, our world is more connected than ever before, and the business community today is larger than ever. International Business: Global Commerce in the 21st Century will demonstrate just how you can gain the knowledge, skills, and appreciation to live and work in the global marketplace. You will begin to understand how both domestic and international businesses are affected by economic, social, cultural, political, and legal factors and what it takes to become a true manager of a global business in the 21st century

Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: Hospitality 2a Term: SEM

Manufacturing: Product Design and Innovation

Think about the last time you visited your favorite store. Now picture the infinite number of products you saw. Have you ever wondered how those things made it to the shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In Introduction to Manufacturing: Product Design and Innovation, you will learn about different types of manufacturing systems as well as career opportunities, including engineers, technicians, and supervisors. As a culminating project, you will plan your own manufacturing process and create an entirely original product! If you thought manufacturing meant mundane assembly lines, this course will show you how exciting, creative, and practical this industry can be.

Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

Restaurant Management

Have you ever dreamed of running your own eatery? Maybe you've thought of collaborating with a famous chef to create an unforgettable dining experience? What goes on behind the restaurant dining room is a very different world than what goes on out front and really determines the success or failure of an establishment. Restaurant Management will show you exactly what's needed to run a successful restaurant, including ordering supplies, hiring quality workers, maintaining inventory, and managing a large staff. Understanding such concepts as food safety, hygiene, customer relations, marketing, and using a point-of-sale system are crucial to being an effective restaurateur. Whether you are hoping to operate a casual sit down eatery, oversee a fine dining establishment, or buy a food franchise, this course is the perfect first step.

Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

DUAL ENROLLMENT BUSINESS ELECTIVES

Arizona State University Offered Courses

Macroeconomic Principles – ECN 211

Macroeconomics is the study of the sum of all spending, income, and productive efforts. The economic outcomes that we experience are the result of our intricate dealings with other governments, businesses, and people, both locally and globally. This course will give you insight into how economists approach and measure these big issues and questions. This first part of this course takes a look at the common household with a specific focus on how the members of a household choose their workloads and spending habits. You will also study how businesses, both large and small, make important economic decisions. The second part of this course dives into policy making and how these policies can either distort or enhance market outcomes.

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: SEM**

SOCIAL SCIENCE ELECTIVES

IN PERSON SOCIAL SCIENCE ELECTIVES

AP Psychology

This year-long course is designed to give the students a fundamental body of knowledge and skills in the area of psychology. The course will involve an investigation of the major approaches to this study of psychology. It also will involve the use of research methods and statistical measurement to include inferential as well as descriptive statistics. Advanced Placement Psychology builds upon the foundation of the General Psychology course (or the psychology section of Introduction to Social/Behavioral Sciences) which is a prerequisite for this course. It also requires the student to use methods and skills acquired in math and science courses as well as computer application. Advanced placement courses are designed for students who wish to complete studies in secondary school that are equivalent to a one-semester college course in psychology. It is expected that upon completion of the course students will take and pass the College Board advanced placement test.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

ONLINE SOCIAL SCIENCE ELECTIVES

Careers in Criminal Justice 1a: Introduction

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Careers in Criminal Justice 1b: Finding Your Specialty

Have you ever thought about a career as a police officer, an FBI or DEA agent, or any occupation that seeks to pursue justice for all? Careers in criminal justice can be found at local, county, state, and federal levels, and even in the private sector. Explore some of the various occupations in this field, while simultaneously learning how they interact with each other and other first responders. Discover various interviewing techniques to uncover the truth. Understand the importance of making ethical decisions, and how you need to keep your sense of right and wrong in check to be successful in this field.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Careers in Criminal Justice 1a** **Term: SEM**

Criminology: Inside the Criminal Mind

Understanding the criminal mind is not easy. Why do certain people commit horrible acts? Can we ever begin to understand their reasoning and motivation? Perhaps. In Criminology: Inside the Criminal Mind, you will be given the rare opportunity to climb inside the mind of a criminal and examine the ideas and motivations at work. The mental state of a criminal can be affected by many different aspects of life-psychological, biological, sociological-all of which have differing perspectives and

influences. You will investigate not only how these variables affect the criminal mind but also how the criminal justice system remains committed to upholding the law through diligence and an uncompromising process.
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

Early Childhood Education 1a: Introduction
Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

Early Childhood Education 1b: Developing Early Learners
Discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special needs. Use this knowledge to develop your professional skills well suited to a career in childcare.
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: ECE 1a Term: SEM

Human and Social Services 1: Introduction
Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human & Social Services, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.
Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: N/A Term: SEM

Law & Order: Introduction to Legal Studies
Imagine if there were no laws and people could do anything they wanted. It's safe to say the world would be a pretty chaotic place! Every society needs some form of regulation to ensure peace in our daily lives and in the broader areas of business, family disputes, traffic violations, and the protection of children. Laws are essential to preserving our way of life and must be established and upheld in everyone's best interest. In Law and Order: Introduction to Legal Studies, you'll delve deeper into the importance of laws and consider how their application affects us as individuals and communities. Through understanding the court system and how laws are actually enacted, you will learn to appreciate the larger legal process and how it safeguards us all.
Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: N/A Term: SEM

National Security
Do you know what it takes to keep an entire nation safe? It not only requires knowledge of how to handle disasters, but it also demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

Personal Psychology 1: The Road to Self-Discovery
Have you ever wondered why you do the things you do? Have you asked yourself if self-knowledge is the key to self-improvement? Are you interested in how behavior changes as we age? Psychology can give you the answers! In Personal Psychology I: The Road to Self-Discovery, you will trace the development of personality and behavior from infancy through adulthood. You will come to learn more about perception and consciousness and better understand the role of sensation. Are you ready to explore the world of human behavior? Come explore all that psychology can offer to help you to truly understand the human experience.
Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: Sociology 1 Term: SEM

Personal Psychology 2: Living in a Complex World

Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? Personal Psychology II: Living in a Complex World will you to explore what makes you 'you'. Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you got to be you, jump on board and start your exploration now!

Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: Sociology 1 Term: SEM

Principles of Public Service: To Serve & Protect

Ambulances scream along, heading toward those in need. But who makes sure someone is there to answer the 9-1-1 call? When you take a pill, who has determined that drug is safe for the public? All of these duties are imperative to our comfort and success as a society. Public service is a field that focuses on building a safe and healthy world, and in Principles of Public Service: To Serve and Protect you will be introduced to its many different career choices. The protection of society is not only one of our greatest challenges, but it also provides ways for people to work together to ensure safety and provide indispensable services. If you have ever contemplated being one of these real-life heroes, now is the time to learn more!

Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

Real World Parenting

Do you love children? Maybe you dream of being a parent someday. But perhaps you are also asking yourself, just how, exactly, do you learn to parent? Learning how to care for children while teaching them confidence and accountability is not an easy feat. In Real-World Parenting, you'll learn that being a parent is much more than simply feeding, bathing, and protecting a child. Creating a positive environment, nurturing, fostering education, and serving as a role model are all critical aspects as well. You'll learn how to be a positive force in the development of your future children as well as others around you.

Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

Social Problems 1: A World in Crisis

War, crime, poverty, global warming our world often seems full of dire warnings and predictions. How can we make sense of it all and still dare to step outside each day? Social Problems I: A World in Crisis will explore some of the biggest challenges facing our world today and prepare you to tackle them head-on. You'll learn what led to these social problems, what effects they have on our lives and societies, and what possible solutions exist for solving them. Whether you want to save the world from the next pandemic or better understand the effects of the media on society, this course will help you develop a plan of action!

Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: N/A Term: SEM

Social Problems 2: Crisis, Conflicts & Challenges

It may seem like we live in a sometimes scary and ever-changing world. Everywhere we "look" from the homeless living on the streets, to world-wide health epidemics, to the often negative effects of our global world problems seem to appear at every corner. In Social Problems II: Crisis, Conflict, and Challenges, you'll explore more of the challenges we face and learn what we can do to reduce the effects of these conflicts and problems. From drug abuse to terrorists to the changing nature of communities in our digital world, we can better face and solve these problems when we have a deeper understanding of their causes and influences on our lives.

Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: Social Problems 1 Term: SEMA

Sociology 1: The Study of Human Relationships

Human beings are complex creatures; however, when they interact and begin to form relationships and societies, things become even more complicated. Are we more likely to act differently in a group than we will when we're alone? How do we learn how to be "human"? Sometimes it can feel as if there are more questions than answers. Sociology I: The Study of Human Relationships seeks to answer these questions and many more as it explores culture, group behavior, and societal institutions and how they affect human behavior. You'll learn how social beliefs form and how this shapes our lives. How does this happen? Join us and find out!

Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: N/A Term: SEM

Sociology 2: Your Social Life

Why do people disagree on so many big issues? Where do culture wars come from? Maybe you've wondered this as you've looked through your social media feed or read the latest online article about groups fighting over different social issues. Sociology II: Your Social Life takes a powerful look at how social institutions like families, religion, government, and education shape our world and how collective behavior and social movements can create change. Although the reality of the battles isn't always pretty, gaining a clearer picture of the different sides can help you better understand how our lives are shaped by entertainment, social institutions, and social change.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Sociology 1** **Term: SEM**

DUAL ENROLLMENT SOCIAL SCIENCE ELECTIVES *(Collegiate & Tech Prep)*

American University Offered Courses

School & Society – EDU205

A multidimensional view of schools, teachers, and students. This social and intellectual foundation course serves as a basis for studying contemporary education and the issues of racism, sexism, finance, governance, innovations, and the social context of American education. The course includes lectures, discussion groups, cooperative learning, Internet activities, and independent projects. Usually Offered: fall, spring, and summer.

Credit: 1.0 **Prerequisite: Acceptance into American U Program** **Duration: Semester**

Social Justice & Urban Education – EDU280

This course provides an analysis of the nature and impact of race and class on social justice issues in urban education. Emphasis is placed on how urban schools have served as vehicles of oppression and opportunity for social groups in our society. Students also consider the political ideologies, theories, classroom properties and structures within these spaces. The class uses a critical pedagogy framework to analytically interrogate the relationship between education and social justice and to critically unpack the theories and practices within urban education.

Credit: 1.0 **Prerequisite: Acceptance into American U Program** **Duration: Semester**

Arizona State University Offered Courses

Introduction to Human Communication – COM 100

This course is designed to introduce you to the basic concepts of human communication, processes, and environments. This course surveys communication topics related to culture, identity, organizations, and relationships. By the end of this course, you should have a fuller understanding of appropriate and effective communication based on your knowledge of theoretical concepts and their application.

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: Semester**

Human Origins – ASM 246

The course will take you on a fascinating journey through the scientific evidence for human evolution. Dr. Donald Johanson, the paleoanthropologist who found the famous skeleton "Lucy," will guide you through an overview of the hominin fossil record as well as introduce you to evolutionary theory. Take advantage of this unprecedented opportunity to dive deeper into the world of paleoanthropological field research from Dr. Johanson's perspective.

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: Semester**

PSY 101: Introduction to Psychology

This introductory course is organized around modules that will cover the five pillars of psychology, which include the: biological pillar, cognitive pillar, developmental pillar, social and personality pillar, and mental and physical health pillar. As students progress through each learning Module, they will review up-to-date and relevant content, engage in meaningful active learning exercises, and complete a knowledge check or assessment. In addition, the course culminates with students completing a psychology-based milestone project that students will find applicable to their own life, such as in the workforce or their academic journey.

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: Semester**

Introduction to Sociology – SOC101

In this course, you will learn how individuals both shape and are shaped by their communities. You will learn how individuals both actively impact and are shaped by their communities, and you will explore the formation and persistence of societies that consist of diverse groups of people. You will also gain valuable insight into the dynamics of group relationships, including how to effectively interact with others within a group. Finally, you will learn how the study of sociology applies to your daily life as well as the most pressing social events of our time.

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: Semester**

Macroeconomic Principles – ECN 211

Macroeconomics is the study of the sum of all spending, income, and productive efforts. The economic outcomes that we experience are the result of our intricate dealings with other governments, businesses, and people, both locally and globally. This course will give you insight into how economists approach and measure these big issues and questions. This first part of this course takes a look at the common household with a specific focus on how the members of a household choose their workloads and spending habits. You will also study how businesses, both large and small, make important economic decisions. The second part of this course dives into policy making and how these policies can either distort or enhance market outcomes.

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: Semester**

Technological, Social, and Sustainable Systems – CEE 181

This course will educate you on a number of different topics surrounding sustainability. At the end of the course, you will have a deeper understanding of:

- How technology impacts sustainability and society
- How different ideas like sustainability and technologies are understood and evolve under various cultural frameworks
- Emerging technologies from the Industrial Revolution up to the present day
- How new technology can lead a complex and challenging future that may resemble some of your favorite science fiction

Credit: 1.0 **Prerequisite: Acceptance into ASU Program** **Duration: Semester**

Granite State College Offered Courses

CRIM 500 Introduction to Criminology

This course introduces the learner to the field of criminology by re- viewing the historical underpinnings of the modern-day study of crime and criminals, examining the theoretical causes of crime and criminality, and evaluating society's responses to crime. Learners are introduced to the sociological, biological, and psychological schools of criminological thought. Topics include crime statistics and social and legal mechanisms used to address criminal activity and the individual criminal.

Credit: 1.0 **Prerequisite: Acceptance into Granite State Program** **Duration: Semester**

Howard University Offered Courses

Principles of Criminal Justice 170

This introductory course serves as a foundation into the criminal justice system. In this course students will explore the key concepts of the criminal justice system and critically think about issues emerging in 21st century media. In addition, students will debate current controversy as it relates to the principles of criminal justice. The main educational goal of the course is to critically conceptualize, understand and explain the relevant issues surrounding the criminal justice system.

Credit: 1.0 **Prerequisite: N/A** **Duration: Semester**

Spelman College Offered Courses

EDU 445: The Education of Black Girls

This course will explore and raise consciousness of the historical, political, economic, and social factors affecting the education of Black girls in the United States of America. Through course readings, discussions, documentaries and virtual site visits, students will gain a deeper understanding of factors that positively and negatively impact the schooling and education of Black girls.

Credit: 1.0 **Prerequisite: N/A** **Duration: Semester**

VSU CJUS 116: Introduction to Criminal Justice

This course provides an introduction to the criminal justice system. The primary goal of this course is to develop a general understanding of the criminal justice system and its response to crime in society today. Students will consider crime in the U.S, explore the key elements of the criminal justice system (policing, courts, and corrections), and examine a number of special issues relevant to criminal justice today.

Credit: 1.0 **Prerequisite: N/A** **Duration: Semester**

FINE ARTS ACADEMY/DEPARTMENT

Typical Sequencing for Fine Arts Majors

	9th	10th	11th	12th
Visual Art	Pre-AP Art	Art II	AP Studio Art	
Instrumental Music	Pre-AP Music	Beginning Band	Band I Concert Band 1	Jazz Band AP Music Theory
Vocal Music	Pre-AP Music	Voice Lesson 1	Voice Lesson 2	Voice Lesson 3 Choir
Dance	Pre-AP Dance	Ballet Modern I	Ballet/Modern II Jazz 1	Musical Theatre Choreography
Drama	Pre-AP Drama	Drama II	Technical Production	Theater History

Visual Arts

All Visual Art classes can be supplemented as an Art credit.

IN PERSON VISUAL ART COURSES

AP Studio Art

The AP Art and Design program consists of three different courses and AP Portfolio Exams—AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing corresponding to college and university foundations courses. Students may choose to submit any or all of the AP Portfolio Exams. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may choose to submit any or all of the AP Portfolio Exams

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: Teacher Recommendation** **Term: SEM**

Art I

Objective of the course: This course is designed for students who are beginners in art but are willing to learn along with participating in performing in school events. The students will develop an awareness of the visual form in their environment and become familiar with the basic elements and principles of design through a variety of media, which will enable the

students to develop an aesthetic awareness of design in everyday life. The first quarter will consist of learning how to draw. The second quarter will be applying the learned drawing skills while also learning how to paint.
Campus: Collegiate, Tech Prep Credit: 1.00 Prerequisite: N/A Term: SEM

Art II
Objective of the course: This course is designed for students that previously took the beginners Art 1 course and are now interested and ready to build upon previously learned skills. The course will be project based with some teacher guidance. Expectations for this course are to develop a portfolio with the hopes of becoming an AP Studio Art participant the following year. It is required to participate in performing in school events. The students will explore even deeper an awareness of the visual form in their environment and apply the basic elements and principles of design through a variety of media, which will enable the students to have a mature aesthetic awareness of design in everyday life.
Campus: Collegiate Credit: 1.00 Prerequisite: Art I/Pre-AP Art/Fundamentals of Visual Art Term: SEM

Digital Art
Through lectures and "hands on" projects, this course provides an introduction to the technology, vocabulary, and procedures of computer-produced images; the use of the computer as an artist's tool is emphasized in each aspect of the course. This course serves the art requirement at Friendship Tech Prep Academy.
Campus: Tech Prep Credit: 1.0 Prerequisite: N/A Term: SEM

Foundations of Visual Art
Specifically designed to accommodate all non-academy students. This course is exploratory in nature, offering an overview of visual arts as a foundation for further study. Students will become familiar with the elements and principles of design and the expressive qualities of various materials by using a range of media, processes, techniques, and styles. Students will use the creative and critical analysis processes and will interpret art within a personal, contemporary, and historical context.
Campus: Collegiate, Tech Prep Credit: 1.0 Prerequisite: NA Term: SEM

Drawing
Drawing is the first art class of majors. The course will cover the basic elements of drawing as a foundation for the other forms of visual arts. The course will explore multiple drawing tools and students will learn multiple techniques and styles
Campus: Collegiate, Tech Prep Credit: 1.0 Prerequisite: Art I/Pre-AP Art/Fundamentals of Visual Art Term: SEM

Painting
Painting is the natural next step after drawing class. Students will use oil, watercolor and acrylic paint on a variety of surfaces. Students will be expected to take their art work to the next level to include more in-depth color, use of light and creative exploration.
Campus: Collegiate, Tech Prep Credit: 1.0 Prerequisite: Art I/Pre-AP Art/Fundamentals of Visual Art Term: SEM

Pre-AP Visual Arts
This distinct course shares one set of themes, underlying unit foundations, and areas of focus in visual arts. The framework is structured around skills associated with ideation, experimentation, creation, revision, reflection, and analysis—the processes and activities that artists engage in while producing their work in visual arts.
Campus: Tech Prep, Collegiate Credit: 1.0 Prerequisite: N/A Term: SEM

Sculpture
This course offers scholars the chance to expand beyond the Fundamentals of Art course, enhancing their knowledge of Elements of Art in Sculpture accompanied by Principles of Design – Balance, Unity, Variety, Proportion, Emphasis, Pattern and Movement. Scholars will have the opportunity to engage more with various resources for the creation of sculpture. Such mediums include, but not limited to, graphite pencil set, charcoal, ink, oil pastels, and Copic markers.
Campus: Tech Prep Credit: 1.0 Prerequisite: N/A Term: SEM

ONLINE VISUAL ARTS COURSES

3D Modeling
Are you interested in a career in technology? Are you curious about working in fields like virtual reality, video game design, marketing, television and motion pictures, or digital imaging? If so, this course in 3D Modeling is a great place to start as it is the foundation for all these career paths. Gain a deeper understanding of graphic design and illustration as you use 3D animation software to create virtual three-dimensional design projects. Hone in on your drawing, photography, and 3D

construction techniques and develop the skills needed to navigate within a 3D digital modeling workspace. This course is an excellent introduction to careers in the fast-growing field of technology and design.
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: N/A Term: SEM

Animation 1a: Introduction
Have you ever watched a cartoon or played a video game where the animation of characters captivated you so much you wanted to create your own? If so, it's time to immerse yourself in the world of animation. Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!
Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: N/A Term: SEM

Digital Photography 1a: Introduction
Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.
Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: N/A Term: SEM

Digital Photography 1b: Creating Images with Impact!
Building on the prior prerequisite course, further develop your photography skills by learning more professional tips, tricks, and techniques to elevate your images. Explore various photographic styles, themes, genres, and artistic approaches. Learn more about photojournalism and how to bring your photos to life. Using this knowledge, build a portfolio of your work to pursue a career in this field!
Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: N/A Term: SEM

Digital Photography 2: Discovering Your Creative Potential
In today's world, we are surrounded by images. We are continually seeing photographs as they appear in advertisements, on websites, in magazines, and on billboards; they even adorn our walls at home. While many of these images have been created by professional photographers, it is possible for your photos to take on a more professional look after you discover how to increase your creative potential. In Digital Photography II: Discovering Your Creative Potential, you will examine various aspects of the field including specialty areas, ethics, and famous photographers throughout history. You will also learn how to effectively critique photographs so you can better understand composition and go on to create more eye-catching photographs on your own.
Campus: Collegiate, Tech Prep, Online Credit: 0.5 Prerequisite: Digital Photography 1 Term: SEM

Fashion Design
Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: NA Term: SEM

Interior Design
Do you have a flair for designing and decorating? If so, then let's learn how to turn your interests and skills into a career. Explore color, texture, trends, and styles over time, how homes are built, and "green" options for homes and businesses. Interior designers do it all—from planning the color scheme to choosing furniture and light fixtures—with the end goal of creating a space where people can live or work comfortably, safely, and happily.
Campus: Collegiate, Online, Tech Prep Credit: 0.5 Prerequisite: Hospitality 2a Term: SEM

DUAL ENROLLMENT VISUAL ARTS COURSES

Arts 501 Introduction to Drawing
This studio art course involves the student in a hands-on approach to basic drawing and composition. Students explore, comprehend, and employ the basic elements and principles of art, use various graphic media and become familiar with the

vocabulary, concepts and techniques of drawing. Each student is given opportunities to explore individual problems and materials with the goal of becoming a participant in the art process rather than a viewer.
Campus: Tech Prep, Collegiate Credit: 1.0 Prerequisite: NA Term: SEM

Music

All classes listed under Music can be supplemented as a Music credit.

IN PERSON MUSIC COURSES

General Music

AP Music Theory

The AP Music Theory course corresponds to one-to-two semesters of typical, introductory college music theory coursework that covers topics such as musicianship, theory, and musical materials and procedures. Musicianship skills, including dictation and listening skills, sight singing, and harmony, are an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of tonal music that are heard or presented in a score. Development of aural (listening) skills is a primary objective. Performance is also part of the curriculum through the practice of sight-singing. Students learn basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized.
Campus: Tech Prep, Collegiate Credit: 0.5 Prerequisite: Permission from teacher Term: SEM
Duration: Year-Long Course

Digital Music
This course serves to examine Digital music history from the late 60's to the present using various articles. We will examine the major music producers, music technology, music software, and events that have shaped the sound of music as we know it. Students will also have the opportunity to compose original music and contemporary tracks on school laptops using the music software Sibelius for the original compositions and Mixcraft for the contemporary tracks.
Campus: Collegiate Credit: 1.0 Prerequisite: N/A Term: SEM

Foundations of Music
The primary goal of this course is to ignite a new excitement and curiosity into the world of music. It is important to bridge the gap between the student and all the contributing factors that made music what it is today. Music plays such a pertinent role in our society, it is important that we take the necessary steps to understand how and why.
Campus: Collegiate Credit: 1.0 Prerequisite: N/A Term: SEM

Music
This course aims to ignite a new excitement and curiosity in the world of music. This course will bridge the gap between the student and all the contributing factors that make music what it has become. Music plays a pertinent role in our society and this course will provide students with the reasons why. Students will be required to apply the essential basic elements of music theory, read and compose original musical pieces, appreciate a wide range of musical repertoire as well as develop a subjective ear for music listening, understand and apply the different genres, forms, periods and composers of music.
Campus: Collegiate, Tech Prep Credit: 1.0 Prerequisite: N/A Term: SEM

Music Theory
Music Theory provides the written listening, and analytical skills needed to understand the organization and structure of music and to use this knowledge to compose original work. Students acquire skills in ear training, musical notation, interval recognition, chord structure, harmonic progression, and form. Examples are analyzed from music literature to see how music theory functions in music of all styles.
Campus: Collegiate, Tech Prep Credit: 1.0 Prerequisite: N/A Term: SEM

Pre-AP Music

This distinct course shares one set of themes, underlying unit foundations, and areas of focus in music. The framework is structured around skills associated with ideation, experimentation, creation, revision, reflection, and analysis—the processes and activities that artists engage in while producing their work in music.

Campus: Collegiate, Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Instrumental Music

Band I

Open to students possessing beginner to intermediate skills on woodwind, brass, and percussion instruments, students in Concert Band I study and perform music on a beginner/intermediate level (Grades 1-2) with emphasis on developing technical ability, knowledge of phrasing, tone, balance, rhythmic accuracy, and interpretation.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Beginning Band** **Term: SEM**

Band II

Open to students possessing intermediate skills on woodwind, brass, and percussion instruments, students in concert Band II study and perform music on an intermediate level (Grades 2-3). Students in Concert Band II continue to develop those skills introduced in Concert Band I.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Band I** **Term: SEM**

Beginning Band

Beginning Band is a full -year course open to students possessing no previous skills on woodwind, brass, and percussion instruments. Students in Beginning Band study and perform music on a novice (Grade.5-1) level with emphasis on developing technical ability, knowledge of phrasing, tone, balance, rhythmic accuracy, and interpretation. Beginning Band will perform at concerts and other special occasions. These performances are considered culminating experiences without equivalent substitutes. Students accept the performance calendar as a condition of participation and as part of the course requirement.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Jazz Band

Reflects traditional Big Band instrumentation (saxophone, trumpet, trombone and rhythm section). Students are exposed to the history of jazz, a variety of jazz styles, as well as the work of specific musicians with a distinct type of jazz. They will be expected to be able to classify, analyze, critique and apply what they learn. This is a performance class; therefore, students are expected to attend all rehearsals, sectionals and performances.

Campus: Collegiate, Tech Prep **Credit: 1.0** **Prerequisite: Band I or teacher permission** **Term: SEM**

Concert Band I

Concert Band I- is a full -year course open to students possessing intermediate skills on woodwind, brass, and percussion instruments. Students in Concert Band study and perform music on a beginner/ intermediate level (Grades 1- 2) with emphasis on developing technical ability, knowledge of phrasing, tone, balance, rhythmic accuracy, and interpretation. Concert Band performs at concerts and other special occasions. These performances are considered culminating experiences without equivalent substitutes. Students accept the performance calendar as a condition of participation and as part of the course requirement.

Campus: Collegiate, Tech Prep **Credit: 1.0** **Prerequisite: Band I or teacher permission** **Term: SEM**

Concert Band II

Concert Band II- is a full -year course open to students possessing intermediate skills on woodwind, brass, and percussion instruments. Students in Concert Band study and perform music on an intermediate level (Grades 2- 2 ½) with emphasis on developing technical ability, knowledge of phrasing, tone, balance, rhythmic accuracy, and interpretation. Concert Band performs at concerts and other special occasions. These performances are considered culminating experiences without equivalent substitutes. Students accept the performance calendar as a condition of participation and as part of the course requirement.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Concert Band I** **Term: SEM**

Percussions

Beginning Percussion is open to any student interested in learning about percussion. Students will cover a broad range of basic percussion techniques, history, instruments, and level appropriate literature.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: Year**

Piano Lab

This course is designed to teach piano to the student who has never had the opportunity to play, but has a desire to learn.

Course Objectives

- Students will learn piano in a Lab setting
- Students will develop note reading, music notation, music theory and improvisational skills
- Students will play simple melodies
- Students will perform a recital twice a semester

Campus: Collegiate **Credit: 1.0** **Prerequisite: Pre-AP Music** **Term: SEM**

Senior Recital

Students will spend their time in this class perfecting their skills on the instrument(s) of their choice in preparation For their final performance which is a compilation of all they have learned and/or created over their course of Studies.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Permission from teacher** **Term: SEM**

Vocal Music

Choir I

Friendship Collegiate Choir I is an upper-level performance opportunity offered to experienced music students who are accomplished in vocal performance. Non auditioned ensemble committed to the exploration and performance of exceptional choral literature. The main goal of this group is to prepare each piece we perform extremely well emphasizing accurate pitches, diction, phrasing, musicality, balance, blend, vocal production, and correct period practices. In order to achieve this, students are expected to know their individual parts completely. Initial rehearsals will focus on part learning, while subsequent rehearsals will address the other musical aspects listed above. When possible, students will have access to learning tracks for their part so they can practice outside of rehearsal. Great satisfaction and enjoyment comes from rehearsing and performing music that has been well prepared.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Permission from teacher** **Term: SEM**

Mixed Choir

The course covers music history, music theory, and introductory vocal pedagogy. Training in sight singing, choral blend, concert etiquette, and expressivity will be developed throughout the YEAR.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Vocal Lesson I

Emphasis is placed on improving the technique and skills of solo vocal singing. The teacher works with singers to prepare not only operatic roles, but also arias, song and oratorio literature. Elements of coaching include: pitch and tuning, rhythm, language and style, harmony and expression. Students also perform for one another and exchange constructive comments that are designed to improve vocal production and presentation**.**

Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Vocal Lesson II

This course progresses from beginner to intermediate and advanced in skill, level and difficulty to repertoire. Students improve their proficiency levels in ear training music theory and performances. As they sing, they will be learning all types of repertoire from gospel to Broadway.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Vocal I** **Term: SEM**

Voice Class

The primary goal of this course is to ignite a new found excitement and curiosity into the world of singing. This is a year-long

course offered to current and aspiring singers in grades 10-12, regardless of their previous vocal experience. The core curriculum explores basic vocal technique, music theory, performance and history as it relates to Blues, Jazz, musical theatre, Gospel, Folk, R&B, Rock, Hip Hop, and other genres.

Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Music Appreciation

This one-semester elective course is intended as a practical, hands-on guide to the field of music appreciation. Students identify elements and patterns in music and learn to identify various elements of musical notation. Students explore the history and evolution of music from the Middle Ages through to the modern era and learn about the influence of music on society and culture. Finally, students learn of the various compositional and expressive devices and how to evaluate a concert.

Campus: Online **Credit: 0.5** **Prerequisite: NA** **Term: SEM**

Dance

All Dance classes can be supplemented as a Physical Education credit

Ballet I

Dancers will learn basic exercises and steps to perform simple combinations and phrases at slow or mid tempos. Overtime, dancers will gain technique competency, learn movement principles, develop a professional attitude and learn dance class and studio etiquette. Dancers will be introduced to the five basic ballet positions of arms and feet, proper body alignment, Ballet foundations such as floor-barre work, basic barre work and center practice and vocabulary which will introduce students to a foreign language- French.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Ballet/Modern I-IV

Dancers learn and memorize complex movements in ballet and modern. Dancers are expected to be highly engaged in all levels of dance. Ballet is taught using the Checchetti method of ballet which is mainly spoken in French. Modern dances focus on both Horton and Dunham techniques. Dancers are expected to complete all courses in the numeric specific order. As students matriculate through the program a higher intensity engagement is expected.

Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Beginner Jazz

Beginner Jazz is a fun high energetic class that identifies several styles of jazz dances and techniques. Influential movements are designed from profound artist dancers such as Jack Cole, Bob Fosse and Gus Giordano. This is a creative class that allows students freedom of movement as well as studying the history of Jazz dance. This class has a high level of rigor, focus and discipline. Student dancers must show a great deal of enthusiasm and motivation. Students in this level must take Ballet, and or Modern.

Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Choreography Workshop

The study of basic rhythmic, spatial, and dynamic materials used in the designing of dance. From short, simple works, the student choreographer will progress to larger pieces and produce a complete work for evaluation by the dance faculty and formal preparation during the end of the senior year.

Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Dance

Scholars will develop their dance technical skills and deepen their spatial and kinesthesis awareness. The course is designed to strengthen the scholar's vocabulary, enhance flexibility and showmanship, increase strength and promote physical endurance. Scholars are expected to use perceptual skills and proper fundamentals technical skills through responding and performing to dance. Scholars will be assessed through class demonstrations and recital performance quarterly.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Jazz I

Introduction to fundamental jazz techniques, exercises, walks, and movement phrases of the jazz style. Basic knowledge of changing jazz styles through the years.
Campus: Collegiate, Tech Prep **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Musical Theatre
Musical Theatre is a class that allows students to dance, sing and act. All three disciplines are studied with a high focus in theatre arts. Student artists are expected to have taken some form of music or vocal studies as well as dance. Students produce monologues, Broadway style movements and songs. Students research and create character analysis. Students are expected to perform in the annual school musicals. In most cases, students are prepared to audition for performing arts colleges with high acceptances.
Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Modern Dance I
Introduction of fundamental exercises, techniques, and movement phrases of modern dance. Basic modern dance principles are introduced in axial and locomotor exercises. Modern dance innovators and their styles are discussed.
Campus: Collegiate, Tech Prep **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Pre-AP Dance
Pre-AP Dance offers four year-long courses in dance. This distinct course shares one set of themes, underlying unit foundations, and areas of focus in dance. The framework is structured around skills associated with ideation, experimentation, creation, revision, reflection, and analysis—the processes and activities that artists engage in while producing their work in dance.
Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Drama

All Drama classes can be supplemented as an Art credit.

IN PERSON DRAMA COURSES

Drama I - Theater
Introduces Drama pathway students to the principles and techniques of creating believable characters through action, improvisation, analysis, movement, business, physicalization, vocal control, audition workshop, scene student and interpretation. Major contemporary playwrights are used for scene study.
Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Drama II
Students will continue to develop the skills acquired in Drama I through working on acting exercises, duet scenes from contemporary dramatic literature and the introduction of acting in period plays.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Drama I** **Term: SEM**

Pre-AP Theatre
This distinct course shares one set of themes, underlying unit foundations, and areas of focus in theatre. The framework is structured around skills associated with ideation, experimentation, creation, revision, reflection, and analysis—the processes and activities that artists engage in while producing their work in theatre.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Technical Production
Technical Theatre is a program that allows students hands-on opportunity behind the scenes of a show, or large production. Our technical Theatre programs nurture students in costuming, make up, stage management, technical sound and stage lighting. Students practice daily as well as understand the origin and history of theater arts.
Campus: Collegiate, Tech Prep **Credit: 1.0** **Prerequisite: NA** **Term: Year**

Theatre ***(Formerly Drama)***
This is a foundational class, designed for students with little or no theater experience, promotes enjoyment and appreciation for all aspects of theater. Classwork focuses on the exploration of theater, dramatic literature and performance. Improvisation, creative dramatics, and beginning scene work are used to introduce students to acting and theatrical character development
Campus: Tech Prep **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Theatre History and Culture
A study of the origins and development of western theatre from ancient civilizations to the Renaissance. Emphasis is placed on the development of dramatic forms through the reading of plays, the evolution of theatre architecture, and production in the western theater.
Campus: Collegiate **Credit: 1.00** **Prerequisite: NA** **Term: SEM**

ONLINE THEATER ELECTIVES

Theater, Cinema, and Film Production 1a: Introduction
Lights! Camera! Action! Theater and cinema are both forms of art that tell a story. Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. Explore the different genres of both and how to develop the script for stage and film. Then dive into how to bring the script to life with acting and directing. If you have a passion for the art of film and stage, let's bring your creativity to life!
Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

MEDIA ELECTIVES

IN PERSON MEDIA ELECTIVES

Broadcast Production I
The course covers a broad range of topics dealing with Broadcast Production. Students will be offered the various skills and techniques required in creating and producing a variety of electronic media programs. In Broadcasting Production, students will learn how to write a script, produce a show, manage a station, promote on air personalities, and record audio for the radio and television.
Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Broadcast Production II
This advanced course allows for students to study the problems and techniques of studio-based, multi-camera, real-time television production. The objective is to have the students prepare, produce, and direct programs for broadcast.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Broadcast Production 1** **Term: SEM**

Digital Graphics (Art Credit)
This introductory course deals with controlling computer technology to produce an artistic image. Students will learn computer illustration techniques, image manipulation, digital camera use, graphic design, visual literacy, and the principles and elements of art in composition. Historical movements in art will also be studied as they relate to student projects.
Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Digital Video Production
Digital Video Production provides a hands-on introduction to digital video production. It guides students through all phases of digital video production, from planning, executing, and managing a video shoot to editing footage. Students explore methods of sharing and broadcasting digital videos, including platform versions, CDs/DVDs, and web delivery. They also learn about publicizing a digital video, using techniques such as search engines to direct viewers to the production. Finally, students explore career opportunities in digital video production.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Early College and Summer University Programs If you are serious about majoring in journalism or communications and have a good academic history at Collegiate, consider choosing an early college course during the school year or a summer program on a university campus for college credit. Contact FNN High School Coordinator, Flonora Merritt, fmerritt@friendshipschools.org for more information.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Permission from teacher** **Term: SEM**

Photojournalism 1: The Art of Storytelling with a Camera
Through guided practice, students will build skills as they learn to produce photos and photo essays for Friendship News Network. Students will learn camera basics, composition, storytelling, how to create a photo essay, and how to use photo editing software. A final project incorporating all skills learned will be the final exam. Each student will have the opportunity to participate in the FCA/FNN Art and Photojournalism Winter Exhibition and other activities that highlight their work. Selected students may participate in FNN photo shoots. Skills built include camera basics, composition, storytelling, writing news briefs, photo editing, portfolio building, networking skills, and ethics.
Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Photojournalism 2: The Art of Storytelling with a Camera
This course is a continuation of Photojournalism 1 and includes the same activities. Through guided practice, students will apply the skills that they built in Semester 1 to real life photojournalism projects for FCA. Skills built include camera basics, composition, storytelling, writing news briefs, photo editing, portfolio building, networking skills, and ethics.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Photojournalism 1** **Term: SEM**

Introduction to News Reporting and 21st Century Mass Communication
Students will learn the basics of multimedia news production for the web and social media, while producing photo essays, news, reviews and commentaries for Friendship News Network. This includes field experiences to local and national news outlets and an opportunity to participate in an online and in person photo exhibition. Through guided practice, students will learn camera basics, photojournalism, how to produce a photo essay, how to build a portfolio, how to produce a simple video news package and video reel, social media marketing, basic forms of journalistic news and script writing, basic video and photo editing, production management, public speaking, interview techniques, networking skills, portfolio building using WIX, and ethics.
Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Multi-Media Video News Production
Students will learn while producing news for Friendship News Network. This will include a weekly talk show, video news packages, an online and in-person photo exhibition, photo and video shoots at FCA and in the field. During the first semester they'll report on the election and how it affects them. During the second semester, they'll produce a multimedia news package that highlights an issue that's important to them. Exams and final exams will be projects that incorporate elements of all lessons learned. Skills built include video editing using Final Cut Pro (certificate is available); news production in the studio (audio, video, lighting, interview and camera techniques); field production for special events at and away from school; advanced multimedia script and news writing; on-camera speaking, set design using green screen, portfolio building, online and social media marketing, photo editing, equipment management, networking, and ethics.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Prior FNN or Journalism Experience**
Term: SEM **Duration: Year-Long Course**

Independent Study for Advanced Students
This course is for advanced students who would like to develop their own projects such as documentary filmmaking, or multimedia production. Grants may be available to help you fund your project. In order to be considered for Independent Study, you will be required to submit a proposal to FNN High School Coordinator, Flonora Merritt, fmerritt@friendshipschools.org.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Permission from teacher** **Term: SEM**

Web Design (Art Credit)

Web Design is a hands-on introduction to designing, building, and launching websites. Students learn the basics of HTML coding, explore various web development tools, and get practice creating websites using Adobe Dream weaver. They learn how to make their websites more effective by applying the principles of design as well as usability and accessibility criteria. Finally, students take a look at various career opportunities in web design.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Yearbook

In this course students will gain skills in one or more of the following areas: page design, advanced publishing techniques, copywriting, editing and photography while producing a creative, innovative yearbook which records school memories and events. There is an emphasis on journalism skills in this class! Participants gain useful, real world skills in time management, marketing, teamwork, and design principles.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

ONLINE MEDIA ELECTIVES

Social Media: Our Connected World

Do you have any social media accounts? Learn the ins and outs of such social media platforms as Facebook, Twitter, Instagram, Pinterest, and more and how to use them for your benefit personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Sports and Entertainment Marketing

Whether you are watching a famous athlete make an unbelievable play or witnessing a sensational singing performance, the world of sports and entertainment is never boring. Although it may seem impossible for you to be a part of this glittery world, it's not! The Sports and Entertainment Marketing field offers careers that combine entertainment with traditional marketing, but with a whole lot more glamor. Explore basic marketing principles while delving deeper into the multi billion dollar sports and entertainment industry. Learn how professional athletes, sports teams, and famous entertainers are marketed as commodities and how the savvy people who handle these deals can become very successful. This course will show you exactly how things work behind the scenes of a major entertainment event and how you can be part of the act.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

STEM ACADEMY ELECTIVES

COMPUTER SCIENCE

Typical Sequencing for Computer Science/IT Majors

	10th	11th	12th
FCA program	Computer Science Principles Computer Science Essentials	Computer Science A	Cybersecurity AP Computer Science Advanced Internship Program

ATC/Dual Enrollment program	Fundamentals of Cybersecurity Internetworking Technologies	Digital Forensics Cybersecurity Internship	Cybersecurity Internship

IN PERSON COMPUTER SCIENCE ELECTIVES

Advanced Internship Program

This course provides career preparation within specific occupational areas in cooperation with business, industry, and government/community agencies. Students will attend career readiness seminars and experience on-the-job training under actual working conditions.

Campus: Collegiate **Credit: 1.0** **Prerequisite:** *approval of Academy Lead and Principal* **Term: Year**

AP Computer Science A

The goals of AP Computer Science are that students will be able to design and implement computer-based solutions to problems in a variety of application areas; use and implement commonly- used algorithms and data structures to solve problems; and to code fluently in an object-oriented model using the programmatic language Java. Major topics covered in AP Computer Science are object-oriented program design, computer program implementation and analysis, standard data structures and algorithms, and computing in context.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: Algebra I** **Term: SEM**

AP Computer Science Principles

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Algebra I** **Term: SEM**

Computer Science

This course is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, including AP Computer Science Principles and AP Computer Science A courses. The course allows students to work independently in text-based Python. The course also includes a career focus, where at the end of units, students meet (via videos) individuals from different industries who work in coding (medical, music, etc.).

Campus: Tech Prep **Credit: 1.0** **Prerequisite: Algebra I** **Term: SEM**

Introduction to Computer Science

This course is aimed at students with little or no programming experience. It aims to provide students with an understanding of the role computation can play in solving problems. It also aims to help students, regardless of their major, to feel justifiably confident of their ability to write small programs that allow them to accomplish useful goals.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Introduction to Programming

Introduction to Programming uses Python as a basis for learning general programming skills. Students learn programming principles by comparing Python to other programming languages. They use models as a way to quickly solve new problems using knowledge and techniques already learned. Students

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Computer Science Essentials

Computer Science Essentials exposes students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build confidence. Students use visual, block based programming and seamlessly transition to text-based programming with languages such as Python® to create apps and develop websites, and learn how to make computers work together to put their design into practice. They apply computational thinking practices, build their

vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Comp Sci Principles** **Term: SEM**

Computer Science Principles

This course is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking and to have students engage in activities that show how computing changes the world. This course is rigorous and rich in computational content and includes computational and critical thinking skills that engage students in the creative aspects of the computer science field.

Campus: Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Computer Science A

Introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Comp Sci Essentials** **Term: SEM**

Cybersecurity

Whether seeking a career in the growing field of cybersecurity or learning to defend their own personal data or a company's data, students in Cybersecurity establish an ethical code of conduct while learning to defend data in today's complex cyberworld. Beta version available Fall 2018 and full course release for 2019-20

Campus: Collegiate **Credit: 1.0** **Prerequisite: Comp Sci Essentials** **Term: SEM**

Microsoft Software

This course provides an overview of Microsoft applications in the Office Suite: OneNote, Word, PowerPoint, Excel, and Outlook. Students will work toward Microsoft Office Specialist Industry Certification in this course, while improving employability skills through writing cover letters, resumes, and LinkedIn profiles.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Principles of Information Technology

This is the first course students take in the Pathway of Information Technology. It provides an overview of information technology and introduces students to the basics of hardware and software. Students examine hardware components including peripherals, connectors, and memory. Students explore common operating systems, software applications, and programming languages. Students learn about types of networks and network topology, and they set up an email client/server connection. Students also consider contemporary issues such as security, privacy, and technological inequality. Finally, students explore career opportunities in IT.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Intro to Comp** **Term: SEM**

Robotics

In this course, students take on the roles of mechanical engineers, computer scientists and electrical engineers. Students research dynamics, kinematics and sensors. Subjects such as motion planning and obstacle avoidance, velocity and acceleration, serial chain mechanisms, pneumatic actuators, and drive circuits are covered. Students put knowledge into practice through lab settings where robots are created with teams.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

ONLINE COMPUTER SCIENCE COURSES

Advanced Computer Science A

This course is designed to introduce students to the basic concepts of computer programming. Students learn how to compile and run a Java program. They learn to use arithmetic, relational, and logical operators. They learn to use different decision-making and loop statements. They learn to create classes, methods, String objects, and an Array List object. They learn to perform sequential search, binary search, selection sort, and insertion sort on an array. They learn to implement

object-oriented programming design. They learn to implement inheritance, polymorphism, and abstraction. Further, they describe privacy and legality in the context of computing.

Campus: Online **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

Artificial Intelligence

This one-semester course is focused on the history, applications, and innovations of artificial intelligence. Students will learn about intelligence agents, problem solving using search algorithms, knowledge representation, and reasoning in artificial intelligence. Students will also learn about the basic concepts of machine learning and natural language processing (NLP). Students will also learn about expert systems, computer vision and robotics. This 12-lesson course also covers ethics and safety related to artificial intelligence. Online discussions and course activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Coding 1a: Introduction to Programming

Have you ever wanted to create your own web page or wondered how your favorite websites were built? Maybe you want to know more about how computers and technology are affecting the world around us. In Coding 1a: Introduction to Programming, you will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. You will also discover how to create and build your own website using HTML and CSS and learn basic and complex commands and sequences as you become familiar with programming languages like JavaScript and Python Programming. This course also covers data collection methods, access rights, protocols, and security.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Coding 1b: Programming

Cultivate your understanding of programming languages and expand on your knowledge of website development. Learn the difference between web development and web application development as well as further explore Advanced Python, HTML, and JavaScript. You will also examine software engineering concepts, learn more about security, privacy, and ethics in technology, and explore the wide variety of careers in computing

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Coding 1a** **Term: SEM**

CompTIA A+ 220-1001

This course is focused on the exam objectives of CompTIA A+ 220-1001. Students will learn about computer hardware and networking, including concepts related to virtualization and cloud computing. Students will learn about mobile devices and their features. Students will learn how to identify and troubleshoot problems related to hardware, networking, printers, storage devices, and mobile devices. Unit activities in the course help students to develop and apply critical thinking skills. Animations and screenshot-based slideshows included in the lesson keep students engaged. Students can understand technical concepts easily. Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance-based questions. Practice tests at the end of the course help students to practice questions that are parallel to the CompTIA A+ 220-1001 certification exam.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

CompTIA A+ 220-1002

This course is focused on the exam objectives of CompTIA A+ 220-1002. Students will learn about the features and tools in Windows, Mac/Linux, and mobile operating systems. Students will learn about security, cloud computing, and operational procedures. Students will also learn how to use remote access tools and identify and troubleshoot problems related to operating systems, security, and mobile applications. Unit activities in the course help students to develop and apply critical thinking skills. Animations and screenshot-based slideshows included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA A+ performance-based questions. Practice tests at the end of the course help students to practice questions that are parallel to the CompTIA A+ 220-1002 certification exam.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: CompTIA 1001** **Term: SEM**

CompTIA Network+ Certification (N10-007)

This course is a two-semester course focused on the exam objectives of CompTIA Network+ certification N10-007. Students will learn about the types of networks, network topologies, the Open Systems Interconnection (OSI) model, Internet protocol addresses, routing, and switching. Students will learn about wireless technologies, virtualization, cloud concepts, and network services. Students will learn about network cables, connectors, network devices, network storage technologies, and wide area networks. Students will learn about network documentation, network monitoring, and remote access methods. Students will learn about business continuity, disaster recovery methods, physical and logical security methods. Students will learn how to secure a wireless network. Students will also learn about network attacks, and various device hardening and mitigation techniques. Finally, students will learn how to troubleshoot issues related to wired connectivity, wireless connectivity, and network services. Unit activities in the course help students to develop and apply critical thinking skills. Animations included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students a real computer environment to practice various procedural steps. These simulations emulate the CompTIA Network+ performance-based questions. Practice Test at the end of the course helps students to attempt questions that are similar to CompTIA Network+ certification N10-007 exam.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Comp TIA 1002** **Term: SEM**

Cybersecurity 1a: Foundations

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept "secret"? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You'll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You'll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Cybersecurity 1b: Defense Against Threats

Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyber attacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by taking a look at cyber forensics and other cybersecurity careers. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Cybersecurity 1a** **Term: SEM**

Networking Fundamentals

This course is a two-semester course focused on the concepts of networking. Students will learn about careers in networking and employability skills required for a career in networking. Students will learn about the types of networks, network topologies, the Open Systems Interconnection (OSI) model, Internet protocol addresses, and Internet of Things (IoT) technologies. Students will learn about networking devices, cables, media, and connectors. Students will learn to set up a small wired network. Students will learn about network security threats and preventive measures to secure a network. This course also covers network planning, administration, troubleshooting, and maintenance. Students will learn about wireless networking standards and access methods. Students will learn to set up and secure a wireless network. Students will learn about virtual private networks and cloud computing. Students will also learn to troubleshoot issues related to wired and wireless networks. Unit activities in the course help students to develop and apply critical thinking skills. Animations included in the lesson keep students engaged. Students can understand technical concepts very easily. Simulations provide students a real computer environment to practice various procedural steps.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Robotics I A/B

This two-semester course is focused on the concepts related to robots and how to construct a robot. Students will learn about the history and applications of robotics. Students will learn about the job opportunities and employability skills in the field of robotics. Students will also learn about the basic concepts of six simple machines, electricity, electronic circuits, Boolean algebra, magnetics, and their applicability to robotics. Students will apply safety procedures and construct a simple robot. Students will also learn about project management and the engineering design process. Students will learn about the programming languages used in robotics. Students will create a simple robotic arm. Students will also construct a robot using programming. Students will learn about ethics and laws related to robotics. Students will also learn how to test and maintain a robot. Online discussions and unit activities require students to develop and apply critical thinking skills, while the included games appeal to a variety of learning styles and keep students engaged. Required lab materials note: This course contains hands-on labs that employ relatively-common household materials to provide a valuable laboratory experience. Please refer to the Student Syllabus or Teacher's Guide for a detailed list of required lab materials and options for purchasing kits.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

DUAL ENROLLMENT COMPUTER SCIENCE COURSES

Trinity Washington University Offered Courses

ITEC 120: Digital Forensics

Introduces the evolving discipline of digital forensics, the analysis of anomalous activity on computers, networks, programs and data, in our emerging globally-connected digital society. Trains digital forensics professionals to investigate malicious agents that access systems and private information and to craft appropriate responses when disruptions to corporate, governmental, and individual activities occur. Compliments cybersecurity - which takes a proactive approach to information assurance to minimize harm - by employing a reactive approach to incident response as computing becomes increasingly more sophisticated. 4 Credits Prerequisites: None

Campus: Collegiate **Credit: 1.0**

Prerequisite: Internetworking Technologies **Term: SEM**

ITEC 110: Fundamentals of Cybersecurity

Combines theoretical security models with practical state-of-the-art examples for a comprehensive and useful introduction to this field. Develops knowledge and skills in fundamental concepts related to cybersecurity ethics, laws, and operations. Topics include security policies, risk analysis, cryptography, and network security. 4 Credits Prerequisites: None.

Campus: Collegiate **Credit: 1.0**

Prerequisite: Acceptance into ATC Program **Term: SEM**

ITEC 150: Internetworking Technologies

Introduces students to networking concepts, analogies, and movement of data packets through different components of networks and the internet, including networking standards and protocols. Explore concepts, knowledge, and skills relevant to Ethernet and TCP/IP networks, routing and switching, router protocols and router configuration, local, campus, and wide area network configuration, wireless networking, optical networks, and the network server. 4 credits Prerequisites: ITEC 110

Campus: Collegiate **Credit: 1.0**

Prerequisite: Fundamentals of Cybersecurity **Term: SEM**

TWU Pre-IT Skills Lab

Introduces students to the foundational computing concepts and skills at the beginner level, including recognizing and using hardware and software, networking, databases, programming, information systems, and data security. Introduces a wide range of IT careers. (5 week, 1 credit class)

Campus: Collegiate **Credit: 0.25**

Prerequisite: Acceptance into ATC Program **Term: SEM**

ENGINEERING

Typical Sequencing for Engineering Majors

	10th	11th	12th
FCA program	Intro to Engineering Design Principles of Engineering	Digital Electronics Engineering Design & Development	Environmental Sustainability Robotics Advanced Internship Program
Tech Prep Program	Intro to Engineering Design Principles of Engineering	Aerospace Engineering Engineering Design & Development	AOE Internship

IN PERSON ENGINEERING ELECTIVES

Aerospace Engineering

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: Year**

Advanced Internship Program

This course provides career preparation within specific occupational areas in cooperation with business, industry, and government/community agencies. Students will attend career readiness seminars and experience on-the-job training under actual working conditions.

Campus: Collegiate **Credit: 1.0** **Prerequisite:** *approval of Academy Lead and Principal* **Term: Year**

AOE Internship

This course provides career preparation within specific occupational areas in cooperation with area business, industry, and government/community agencies. Students will attend career readiness seminars and experience on-the-job training under actual working conditions.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: Permission of Academy Lead & Principal** **Term: Year**

Civil Engineering and Architecture

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: Year**

Digital Design

Digital Design presents a hands-on introduction to the technical and creative skills of a professional designer. Students will learn technical skills in graphic design and computer-aided design (CAD) while exploring the elements and principles of design. Students will delve into the design process in order to develop and communicate their ideas.

Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: Year**

Digital Electronics

From smartphones to appliances, digital circuits are all around us. This course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: EDD** **Term: SEM**

Drone Piloting
Drone Piloting offers an introduction into the knowledge and skills required to be a licensed commercial drone pilot. Students will learn everything they need to know to get started with legally and safely flying drones, then practice technical aerial skills on different types of unmanned aircraft. Students will prepare for, and have the option to attempt, the FAA Part 107 commercial drone license certification exam.
Campus: Tech Prep **Credit: 1.0** **Prerequisite: AE** **Term: Year**

Engineering Design and Development
The knowledge and skills students acquire throughout PLTW Engineering come together in Engineering Design and Development as they identify an issue and then research, design, and test a solution, ultimately presenting their solution to a panel of engineers. Students apply the professional skills they have developed to document a design process to standards, completing Engineering Design and Development ready to take on any post- secondary program or career.
Campus: Tech Prep, Collegiate **Credit: 0.5** **Prerequisite: POE** **Term: SEM**

Introduction to Engineering Design
Students dig deep into the engineering design process, applying math, science, and engineering standards to hands- on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, and use an engineering notebook to document their work.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Principles of Engineering
Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: IED** **Term: SEM**

Robotics
Students enrolled in this course will demonstrate knowledge and skills necessary for the robotic and automation industry. Through implementation of the design process, students will transfer advanced academic skills to component designs in a project-based environment. Students will build prototypes or use simulation software to test their designs. Additionally, students explore career opportunities, employer expectations, and educational needs in the robotic and automation industry.
Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: Year**

ONLINE ENGINEERING COURSES

Concepts of Engineering and Technology
What if you could do the impossible? Engineers understand a lot of things, but the word impossible definitely isn't one of them. Through Concepts of Engineering and Technology, you'll learn how the momentum of science is continually propelling engineers in new directions towards a future full of insight and opportunity. This course explores the different branches of engineering and how problem-solving, sketching, collaboration, and experimentation can change the very fiber of our human lives. This ever-increasing knowledge can also lead to serious ethical dilemmas and the need to discuss where the boundaries of science lie (or even if there should be boundaries). By examining astounding engineering feats and complex ongoing issues, you, too, will begin to question whether the word impossible really exists.
Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Principles of Architecture and Construction A/B
This interactive course empowers students with the knowledge to appreciate and evaluate career opportunities in architecture and construction. With an emphasis on developing critical thinking skills, this one-semester course includes a variety of activities as students learn about structures and loads, materials and costs, urban design, and other aspects of these fascinating career opportunities. This easy-to-manage course will help build a solid foundation for their career options.
Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

HEALTH SCIENCE

Typical Sequencing for Health Science Majors

	10th	11th	12th
FCA Biomedical Science program	Principles of Biomedical Science Human Body Systems	Medical Intervention Biomedical Innovation	Sports Medicine Internship
ATC/Dual Enrollment Nursing Program	Principles of Health Science Medical Terminology	Human Anatomy & Physiology Microbiology for Health Profs	Health Science Internship

IN PERSON HEALTH SCIENCE ELECTIVES

Advanced Internship Program

This course provides career preparation within specific occupational areas in cooperation with business, industry, and government/community agencies. Students will attend career readiness seminars and experience on-the-job training under actual working conditions.

Campus: Collegiate **Credit: 1.0** **Prerequisite:** *approval of Academy Lead and Principal* **Term: Year**

CAPSTONE: Biomedical Innovation

Students build on the knowledge and skills gained from previous courses to design their own innovative solutions for the most pressing health challenges of the 21st century.

Campus: Collegiate **Credit: 1.0** **Prerequisite: PBS** **Term: SEM**

Human Body Systems

Through projects such as determining the identity of a skeleton using both forensic anthropology and DNA analysis, students examine the interactions of human body systems and apply what they know to solve real-world medical cases

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Medical Interventions

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

Campus: Collegiate **Credit: 1.0** **Prerequisite: PBS** **Term: SEM**

Principles of the Biomedical Sciences (PBS)

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Sports Medicine

The Introduction to Sports Medicine course is a two (2) semester course designed for students who are interested in fields such as athletic training, physical therapy, medicine, nursing, fitness, kinesiology, nutrition and other sports medicine related fields. This course has two teaching components both in the classroom and lab (AT room or Weight room), both will require a lot of hands-on applications. The course focuses on the basic information and skills important in the recognition of care, prevention, and rehabilitation of athletic injuries.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

ONLINE HEALTH SCIENCE COURSES

Certified Nurse Aide A/B

The course is designed to enable students to learn the key skills and information that they need to work as certified nurse aides. The course will help students develop an understanding of the human body, physical and nutritional needs, mental health needs and teach them to provide culturally competent and quality care to clients in a safe and healthy environment. The course is based on the NNAAP Exam syllabus and is designed to prepare students to take the exam and become certified nurse aides. The course has animations and videos that demonstrate key skills that students must acquire to work as nurse aides. The practice test at the end of the course gives students practice on the written exam that they'll need to give to become certified nurse aides.

Campus: Collegiate, Tech Prep, Online **Credit: 1.0** **Prerequisite: N/A** **Duration: One year**

Forensic Science 1: Secrets of the Dead Fingerprints.

Blood spatters. Gunshot residue. If these things intrigue you rather than scare you, Forensic Science I: Secrets of the Dead may be for you. This course offers you the chance to dive into the riveting job of crime scene analysis. Learn the techniques and practices applied during a crime scene investigation and how clues and data are recorded and preserved. You will better understand how forensic science applies technology to make discoveries and bring criminals to justice as you follow the entire forensic process – from pursuing the evidence trail to taking the findings to trial. By careful examination of the crime scene elements, even the most heinous crimes can be solved.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Forensic Science 2: More Secrets of the Dead

Every time a crime is committed, a virtual trail of incriminating evidence is left behind just waiting to be found and analyzed. In Forensic Science II: More Secrets of the Dead, you'll learn even more about the powerful science of forensics and how it has changed the face of crime and justice in our world. You will learn some basic scientific principles used in the lab, such as toxicology, material analysis, microscopy, and forensic anthropology, and find out how scientists use everything from insects to bones to help them solve crimes. Discover how advanced techniques and methodical processes can lead to catching even the craftiest criminal. The best way to battle crime these days is not with a weapon, but with science.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Forensic Science 1** **Term: SEM**

Forensics: The Science of Crime

We watch with interest as crime scenes are dramatized on television and in film, and sit on the edge of our seat as various members of the justice system solve the most baffling cases. But what about the science behind the crime? Forensics: The Science of Crime explores the role science and technology plays in this fascinating and growing career. In this course, you'll learn the specialized skills and techniques used during a crime scene investigation and how evidence and data is expertly collected, preserved, and analyzed. With a strong focus on the innovative science used in the field as well as participation in interactive activities, you will follow the entire forensic process – from examining evidence to taking the findings to trial – and learn how the professionals are utilizing science to bring criminals to justice.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Health Science 1: The Whole Individual

We know the world is filled with different health problems and finding effective solutions is one of our greatest challenges. How close are we to finding a cure for cancer? What's the best way to treat diabetes and asthma? How are such illnesses as

meningitis and tuberculosis identified and diagnosed? Health Sciences I: The Whole Individual provides the answers to these questions and more as it introduces you to such health science disciplines as toxicology, clinical medicine, and biotechnology. Understanding the value of diagnostics and research can lead to better identification and treatment of many diseases, and by learning all the pertinent information and terminology you can discover how this amazing field will contribute to the betterment of human life in our future.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Health Science 2: Patient Care and Medical Services

Are you looking for a job that's challenging, interesting, and rewarding? These three words describe many of the different careers in health care, and Health Sciences II: Patient Care and Medical Services will show you how to become part of this meaningful vocation. Promoting wellness, communicating with patients, and understanding safety in the workplace are just a few of the essential skills you will learn, all the while becoming familiar with some of the more prominent areas in the field, such as emergency care, nursing, infection control, and pediatrics. You'll learn about some of the inherent challenges faced by this age-old profession and how you can become a significant part of the solution.

Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: Health Science 1** **Term: SEM**

DUAL ENROLLMENT HEALTH SCIENCE COURSES

Trinity Washington University Offered Courses

BIOL 121: Human Anatomy and Physiology I

A systematic approach to the study of the human body. The first part of this year -long course emphasizes the tissues, the integumentary system, the bones and skeletal tissue, muscles and muscle tissue, and the nervous system. Students have the opportunity to apply concepts discussed during the lecture portion of the class to clinical questions presented throughout the semester. Three hours of laboratory per week. Does not fulfill Biology major requirement. There is an additional laboratory fee. 4 credits Pre-/Co-requisite: MATH 102, MATH 108 or MATH 109. Pre-requisite: BIOL 101 (SPS); pass BIOL 101 with a C or better or placement test score (CAS). General Education: Knowledge and Inquiry Area.

Campus: Collegiate **Credit: 1.0**

Prerequisite: Principles of Health Science & Medical Terminology **Term: SEM**

HPNU 120: Medical Terminology

This is an 8-week course designed for individuals interested in learning the language of medicine required to work within a variety of health care fields. The student will acquire word-building skills in the field of medicine and will have a solid understanding of basic medical language and a foundational start on basic medical science and health related concepts that will be useful for other courses within the health professions. 1 credit Prerequisites: None

Campus: Collegiate **Credit: 0.5**

Prerequisite: Principles of Health Science **Term: SEM**

BIOL 130: Microbiology for the Health Professions

An introduction to the study of microorganisms with emphasis on disease-causing bacteria. Topics include the nature of microorganisms, their relationships with humans, infectious diseases, and immunity. Three hours of lecture and three hours of lab per week. Does not fulfill the microbiology requirement for Biology major. There is an additional laboratory fee. 4 credits

Campus: Collegiate **Credit: 1.0**

Prerequisite: Human Anatomy & Physiology **Term: SEM**

PEH 121: Nutrition & Wellness

Identifies nutritional challenges affecting overall health. Topics include making conscious choices regarding nutrition, incorporating new food groups, identifying signs of emotional eating, body image issues, stress and time management, online tools to evaluate one's food consumption and activity levels, and finding and utilizing available nutrition resources. 3 Credits Prerequisites: None

Campus: Collegiate **Credit: 1.0**

Prerequisite: Principles of Health Science **Term: SEM**

HPNU 101: Principles of Health Science
Introductory professional genesis course for entering the health professions. Introduces knowledge, skills, values, meanings, and experiences as the bases for professional practice. Strengthens critical reading skills through close readings of texts on contemporary healthcare issues, explores the evolution of various disciplines in the health professions, and introduces models of professional socialization. Topics include trends in health care delivery, increased use of technology, rising health care costs, and maintaining quality in health care agencies. Uses select electronic databases as information sources and incorporates techniques of professional writing. 4 credits Prerequisites: None
Campus: Collegiate Credit: 1.0
Prerequisite: Acceptance into ATC/Trinity Program Term: SEM

TWU Pre-Science Skills Lab
Introduces students to college-level science skills, terminology, and foundational concepts through a series of interactive in-class, laboratory, and simulation activities to prepare them for increasingly advanced study in the sciences (5 week, 1 credit class)
Campus: Collegiate Credit: 0.25
Prerequisite: Acceptance into ATC Program Term: SEM

URBAN ECOLOGY

Advanced Energy & Natural Resource Technology *(Formerly LEED Prep)*
This course gives students a thorough understanding of green building principles and LEED requirements to prepare them for taking the LEED Green Associate TM Exam and becoming a LEED Green Associate professional. LEED, or Leadership in Energy & Environmental Design, is a green building certification program from the U.S. Green Building Council® (USGBC®). As the field of green building undergoes explosive growth, this course helps prepare students to enter a workforce with sought-after skills and experience. And because LEED is a global green building rating system, students with LEED credentials have skills that are in demand internationally. In this course, students delve into what sustainability means to them personally and to the built environment. With hands-on activities and group projects, students examine practical aspects of green building, such as net- zero energy, sustainably sourced materials, and healthy air quality; and they practice designing green building components, such as sustainable landscapes and efficient water systems.
Campus: Tech Prep Credit: 1.0 Prerequisite: N/A Term: Year

AUE Internship
This course provides career preparation within specific occupational areas in cooperation with business, industry, and government/community agencies. Students will attend career readiness seminars and experience on-the-job training under actual working conditions.
Campus: Tech Prep Credit: 1.0 Prerequisite: *approval of Academy Lead and Principal* **Term: Year**

Beekeeping
This course focuses on the science and practice of beekeeping for beginners. It covers bee biology and behavior, hive management, equipment, bee products, and more.
Health Alert: Students who are allergic to bees will not be able to enroll in this course.
Campus: Tech Prep Credit: 1.0 Prerequisite: N/A Term: Year

Energy & Natural Resource Technology *(Formerly Sustainable Intelligence)*
Energy & Natural Resource Technology is an engaging, ready to use K-12 curriculum that builds a foundation of environmental literacy and sustainability knowledge across seven eco-themes: water, food, energy, transportation, air, and public spaces.
Campus: Tech Prep Credit: 1.0 Prerequisite: N/A Term: Year

Environmental Sustainability
In Environmental Sustainability, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.
Campus: Tech Prep, Collegiate Credit: 1.0 Prerequisite: N/A Term: SEM

Practicum in Agriculture, Food, & Natural Resources ***(Formerly AUE Capstone)***
In this senior capstone course, Academy of Urban Ecology students develop and implement collaborative legacy projects designed to improve and enrich their academy, school, and community while honing and showcase their knowledge and skills. Building on their experience in prior courses, students incorporate personalized areas of interest within academy themes of urban agriculture, sustainable, renewable energy systems, community activism, and social justice. Urban Sustainability provides the students a comprehensive opportunity to create and complete service, research, and/or entrepreneurial learning projects that will prepare them to succeed in any postsecondary program or career.
Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Principles of Agriculture, Food & Natural Resources ***(Formerly Introduction to Sustainable Agriculture)***
This course focuses on how to solve global issues using Algebra 1 and Geometry. Students will use materials, energy, science and technology to design solutions and minimize environmental impacts. The course provides an overview of the LEED process and allows students to explore environmentally conscious design techniques in production.
Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Sustainable Urban Agriculture
This class provides students with a unique hands-on learning experience and opportunity to participate in a student -run business. Students learn about various urban agriculture techniques including organic horticulture, aquaponics, vertical gardening, composting, seedling preparation, soil biology, nutrient cycles, pest management, crop rotation, harvesting and small farm management and entrepreneurship. Students will have the opportunity to participate in a student-run business where they will grow food organically from seed to plate, market and sell produce to local businesses, create a farmers market on campus, and explore cross curricular studies with other classes such as food and nutrition, science and economics.
Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

Urban Agriculture
This course covers the following content areas (1) Soil fertility, nutrient and water management, crop plant families (2) Crop rotation, and maximizing the use of urban resources and infrastructure (3) Community composting, including a walk-through of the composting process in order to produce healthy soil from waste products (4) Incorporating worms into your compost system for a value-added product (worm castings) (5) Examine existing ordinances within urban/suburban neighborhoods related to the raising of small farm animals, focusing on chickens, ducks, bees, and worms (6) What you need to know to select, harvest, process, prepare and pre- sent your produce for sale; Construction techniques related to hoop house cover materials, ventilation and irrigation (7) Strategies for selling to restaurants, retailers, and food co-ops, as well as direct market strategies such as farmers markets, pick-your own, and community-supported agriculture (CSA).
Campus: Tech Prep **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

ONLINE URBAN ECOLOGY COURSES

Principles of Agriculture, Food and Natural Resources
Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world
Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Renewable Technologies: Introduction
Cars that run on used vegetable oil. Electricity produced from your garbage. A windmill made from spare bicycle parts that pumps water to crops. Energy is life. So, how do we address the world's growing concerns about energy sources? Where will it come from in the future? How can energy be something sustainable, renewable, and accessible? Introduction to Renewable Technologies begins to uncover the development of new energy technologies and explores how recent approaches to

generating, storing, and creating this precious resource have evolved. By gaining a larger understanding of this challenge, we, as thoughtful people, can implement real change and unlock the solution needed for a safer, cleaner, and more enduring world.
Campus: Collegiate, Tech Prep, Online **Credit: 0.5** **Prerequisite: N/A** **Term: SEM**

Certificate of IEP Completion Required Courses

Humanities I
This course is designed only for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for English-Language Arts. This course builds upon the literary knowledge and language skills covered to support the development of critical literacy skills. Through a variety of research methods, learners develop and refine the skills of research, editing, and historical critical analysis. Students will develop their reading and writing skills pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.
Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Year long**

Humanities II
This course is designed only for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for English-Language Arts. This course reinforces and refines the skills acquired in Humanities I. Students will continue to develop their reading and writing skills pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Humanities I** **Duration: Year long**

Humanities III
This course is designed only for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for English-Language Arts. This course reinforces and refines the skills acquired in English II. Students will continue to develop their reading and writing skills pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Humanities II** **Duration: Year long**

Humanities IV
This course is designed only for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for English-Language Arts. This course reinforces and refines the skills acquired in English II. Students will continue to develop their reading and writing skills pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.
Campus: Collegiate **Credit: 1.0** **Prerequisite: Humanities III** **Duration: Year long**

Integrated Mathematics I
This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for Mathematics. This course explains how basic to advanced mathematical operations – can be used to solve real-life problems. It addresses practical applications for math, such as wages, taxes, money management, and interest and credit. Projects for real world activities promote cross-curricular learning and higher-order thinking and problem-solving skills. Students develop their functional skills of mathematics pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.
Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Year long**

Integrated Mathematics II

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for Mathematics. This course reinforces and refines the skills acquired in Integrated Mathematics I. Students will continue to develop their functional skills of mathematics pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Integrated Math I** **Duration: Year long**

Integrated Mathematics III

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for Mathematics. This course reinforces and refines the skills acquired in Integrated Mathematics II. Students will continue to develop their functional skills of mathematics pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Integrated Math II** **Duration: Year long**

Integrated Mathematics IV

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) cohort. It is designed utilizing the Common Core Essential Elements (CCEEs) for Mathematics. This course reinforces and refines the skills acquired in Integrated Mathematics III. Students will continue to develop their functional skills of mathematics pursuant to their individualized IEP goals and objectives with a focus on applicability to daily life, independent living, and the workplace.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Integrated Math III** **Duration: Year long**

STEM I: Life Sciences

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Next Generation Science Standards Essential Elements. Students will examine the basic concepts and principles of the physical and chemical basis of human life. Emphasis is placed on biological processes as well as practical applications including chemistry, cells, genetics, cellular energy, kingdoms, reproduction, ecology, and evolution.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Year long**

STEM II: Life Sciences II

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Next Generation Science Standards Essential Elements. Students will investigate biological systems at the molecular, cellular, and macro biological level. Hands-on laboratory exercises incorporating cellular biology, genetics, DNA technology, evolution, and ecology will be provided to assist students in their understanding of biological themes.

Campus: Collegiate **Credit: 1.0** **Prerequisite: STEM I** **Duration: Year long**

STEM III: Biology

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Next Generation Science Standards Essential Elements. Students will develop and enhance comprehension and appreciation of life, focusing on evolution, reproduction and development, biotechnology and ecological relationships in the environment.

Campus: Collegiate **Credit: 1.0** **Prerequisite: STEM II** **Duration: Year long**

STEM IV: Physical Science

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the Next Generation Science Standards Essential Elements. Students will focus on several scientific practices. These include developing and using models, planning and conducting investigations, analyzing and interpreting data, using mathematical and computational thinking, and constructing explanations; and to use these practices to demonstrate understanding of the core ideas.

Campus: Collegiate **Credit: 1.0** **Prerequisite: STEM III** **Duration: Year long**

American Studies I: World History

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the District of Columbia Social Studies standards and taught using project-based instructional strategies. This course is a study of world history from 1500 to the present. Students can apply and utilize their knowledge to develop informed opinions about issues such as the quest for peace, human rights, trade, global ecology, and the impact each has on everyday life situations.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Year long**

American Studies II: US History to 1877

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the District of Columbia Social Studies standards and taught using project-based instructional strategies. This course follows a chronological study of major events, issues, movements, leaders, and groups of people of the United States through Reconstruction from a national and Washington, DC perspective.

Campus: Collegiate **Credit: 1.0** **Prerequisite: American Studies I** **Duration: Year long**

American Studies III: US History from 1877

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the District of Columbia Social Studies standards and taught using project-based instructional strategies. This course begins with the post-Reconstruction United States and its shift into a more industrialized society and continues through the twentieth century to the present.

Campus: Collegiate **Credit: 1.0** **Prerequisite: American Studies II** **Duration: Year long**

American Studies IV: US Government

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the District of Columbia Social Studies standards and taught using project-based instructional strategies. This course focuses on the origins, structure, and functions of government at all levels. It also includes a detailed study of the constitution of the United States and its provisions.

Campus: Collegiate **Credit: 0.5** **Prerequisite: American Studies III** **Duration: Semester**

American Studies V: Washington, DC History

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. It is designed utilizing the District of Columbia Social Studies standards and taught using project-based instructional strategies. This course gives students exposure to broad concepts in Washington, DC History and Government. Students will be able to retell and communicate ideas and events related to Washington, DC History and Government.

Campus: Collegiate **Credit: 0.5** **Prerequisite: American Studies III** **Duration: Semester**

Life Skills and Communication I

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. Lessons will be focused on developing interpersonal, social, emotional, communication, and problem solving skills. The course will also cover making and maintaining a personal budget, paying bills, and time management needed for students to make progress in the IEP.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Year long**

Life Skills and Communication II

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. This course offers beginner techniques, lessons, and expeditions in design thinking to tackling problems of life and vocational wayfinding.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Life Skills I** **Duration: Year long**

Life Skills and Communication III

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. Students apply design thinking to tackling problems of life wayfinding. This course offers a framework and tools to problem-solve life challenges through assigned readings, expeditions, projects, reflections, and in-class exercises.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Life Skills II** **Duration: Year long**

Life Skills and Communication IV

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. Students apply design thinking to tackle problems of life, education, and character development, including personal reflection and individual coaching.

Campus: Collegiate **Credit: 1.0** **Prerequisite: Life Skills III** **Duration: Year long**

Transition Skills I

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. Lessons will be focused on meeting the Post-Secondary Transition IEP Goals. Learners evaluate their unique strengths and interests, investigate a variety of career options and explore an array of post-secondary education opportunities. Students will develop and practice a strong work ethic, time management, communication, teamwork, and the fundamentals of workplace organizations. Learners gain confidence to embark on chosen careers.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

Transition Skills II

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. Lessons will be focused on meeting the Post-Secondary Transition IEP Goals. This level 2 course covers topics such as creativity and problem solving, communication, and professionalism. Students investigate 16 career clusters through the lens of strengths and weaknesses. Students learn how to research potential careers and explore career pathways of interest through assessments, expeditions, research projects, and career challenges.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

Transition Skills III

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. Lessons will be focused on meeting the Post-Secondary Transition IEP Goals. This level 3 course covers topics such as technical application, global perspective, and career management. Students research career pathways of interest. Students become familiar with common workplace technology. Through a variety of projects, expeditions and assessments, students explore technology competencies for careers of interest.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

Transition Skills IV

This course is designed for those students pursuing a Certificate of Completion within the ID (intellectual disabilities) Cohort. Lessons will be focused on meeting the Post-Secondary Transition IEP Goals. This level 4 course covers topics such as leadership, teamwork and collaboration. Students explore resources to find job openings in 16 career clusters. Students review resumes, draft cover letters, and create career portfolios for career clusters.

Campus: Collegiate **Credit: 1.0** **Prerequisite: N/A** **Duration: Semester**

Advanced Placement Courses (AP) (in alphabetical order)

AP Art and Design

The AP Art and Design program consists of three different courses and AP Portfolio Exams—AP 2-D Art and Design, AP 3-D Art and Design, and AP Drawing corresponding to college and university foundations courses. Students may choose to submit any or all of the AP Portfolio Exams. Students create a portfolio of work to demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. Portfolios include works of art and design, process documentation, and written information about the work presented. In May, students submit portfolios for evaluation based on specific criteria, which include skillful synthesis of materials, processes, and ideas and sustained investigation through practice, experimentation, and revision, guided by questions. Students may choose to submit any or all of the AP Portfolio Exams

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: Teacher Recommendation **Term: SEM** **Duration: Year-Long Course**

AP Biology

The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and an appreciation of science as a process. There are three main areas of study in AP Biology. The first area of study is on molecules and cells, with focus on the chemistry of life, properties of cells, and cellular energetics. The second area of learning is on heredity and evolution and covers inheritance patterns, molecular genetics, and evolutionary biology. The third and main emphasis of the course is on organisms and populations, which include diversity of organisms, structure and function of plants and animals, and ecology.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Calculus AB

The purpose of this course is to develop students' understanding of the concepts of calculus and provide experience with its methods and applications. AP Calculus emphasizes a multi-representational approach to expressing concepts, results, and problems graphically, numerically, and verbally. AP Calculus begins with a detailed exploration of functions, graphs, and limits with focus on analysis of graphs, limits of functions, asymptotic and unbound behavior, and continuity as a property of functions. The primary aim of this course is on in-depth understanding of the theorems, concepts, techniques, computations and applications of derivatives and integrals.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Chemistry

This course meets the requirements of a general chemistry course taken in the first year of college. It provides students with in-depth understanding of the fundamentals in chemistry and will contribute to the development of the students' critical thinking skills. AP Chemistry primarily deals with the structure and state of matter, and the types of reactions. Structure of matter will cover atomic theory and structure, chemical bonding, and nuclear chemistry. The state of matter will include gases, liquid and solids, and solutions. Study of reactions in AP Chemistry includes acid-base, precipitation, and oxidation-reduction reactions, as well as stoichiometry, equilibrium, kinetics, and laws of thermodynamics. This course also places emphasis on the role of descriptive facts in chemistry in understanding its principles and concepts. Laboratory is an integral part of AP Chemistry and requires students to observe chemical reactions, record the data, calculate, and interpret the results, then communicate those results.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Computer Science A

The goals of AP Computer Science are that students will be able to design and implement computer-based solutions to problems in a variety of application areas; use and implement commonly- used algorithms and data structures to solve problems; and to code fluently in an object-oriented model using the programmatic language Java. Major topics covered in AP Computer Science are object-oriented program design, computer program implementation and analysis, standard data structures and algorithms, and computing in context.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Computer Science Principles

AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

Campus: Collegiate **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP English Language and Composition

This course is designed to create effective college readers and writers, to compel students to go beyond summary into the realm of analysis and critical reflection, a skill that will serve those taking standardized tests, including the AP Exam and the SAT. As a result of this course, students will gain a heightened awareness of the transactional nature of reading and writing and an understanding that the best writing is produced when personal experience and close reading converge. To that end, we will practice a level of reading and writing that demands diligent and creative scholarship. By the end of this course, students will be able to construct and analyze argumentative, persuasive, narrative, and analytical texts; identify patterns of organization, rhetorical strategies and devices to show how they contribute to the overall meaning and effectiveness of a work, incorporating this awareness into their own compositions. As readers, students will develop an arsenal of strategies to deconstruct the style, structure, and purpose of texts. As writers, students will use their knowledge of the rhetorical triangle and the rhetorical situation to create compelling pieces that persuade, inform, entertain, and engage diverse audiences.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP English Literature and Composition

The AP course in English Literature and Composition engages students in the practice of critical reading and writing for a variety of contexts and purposes. Students in this course come to an understanding of the intersecting practices of reading and writing - and the connection between the writer's purpose and the expectations of his audience. AP students also gain an awareness of language as the essential building blocks of meaning, the idea that grammar entails so much more than correctness, namely, style, choice, voice, and tone. AP Literature and Composition students will come to understand the elements of literature as the author's device for creating meaning, for exploring larger physical and metaphysical considerations, and for creating the world of the text. Students will also come to an understanding of the cultural, social, and political currents that inform the Anglo- American literary canon. As a result of this understanding, they will be able to identify literary movements and trends in text and context.

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Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Environmental Science

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Physics-1: Algebra-Based

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound.

Campus: Collegiate, Tech Prep **Credit: 0.5**

Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Precalculus

This course explores a variety of function types and their applications.- polynomials, rational, exponential, logarithmic, trigonometric, polar, parametric, vector-valued, implicitly defined, and linear transformation functions using matrices. Throughout the course, the mathematical practices of procedural and symbolic fluency, multiple representations, and communication and reasoning are developed. Students experience the concepts and skills related to each function type through the lenses of modeling and covariation and engage each function type through their graphical, numerical, analytical, and representation.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Psychology

This year-long course is designed to give the students a fundamental body of knowledge and skills in the area of psychology. The course will involve an investigation of the major approaches to this study of psychology. It also will involve the use of research methods and statistical measurement to include inferential as well as descriptive statistics. Advanced Placement Psychology builds upon the foundation of the General Psychology course (or the psychology section of Introduction to Social/Behavioral Sciences) which is a prerequisite for this course. It also requires the student to use methods and skills acquired in math and science courses as well as computer application. Advanced placement courses are designed for students who wish to complete studies in secondary school that are equivalent to a one-semester college course in psychology. It is expected that upon completion of the course students will take and pass the College Board advanced placement test.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Research

AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP Seminar

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP US Government and Politics

AP U.S. Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

Campus: Collegiate, Tech Prep **Credit: 0.5**

Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP US History

This course is designed to provide students with the analytic and factual knowledge necessary to deal critically with the problems and materials in US history. The AP United States History covers themes such as American diversity, identity, and culture; demographic changes and economic transformation; environment and globalization; politics, citizenship, and political reforms; religion; slavery
and its legacy; and war and diplomacy. The chronological frame of this course begins with pre-Columbian societies covering early inhabitants of the Americas, and continues to the post-cold war era.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

AP World History: Modern

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 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 connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Campus: Collegiate, Tech Prep **Credit: 0.5**
Prerequisite: NA **Term: SEM** **Duration: Year-Long Course**

DUAL ENROLLMENT

American University Offered Courses

School & Society – EDU205

A multidimensional view of schools, teachers, and students. This social and intellectual foundation course serves as a basis for studying contemporary education and the issues of racism, sexism, finance, governance, innovations, and the social context of American education. The course includes lectures, discussion groups, cooperative learning, Internet activities, and independent projects. Usually Offered: fall, spring, and summer.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Social Justice & Urban Education – EDU280

This course provides an analysis of the nature and impact of race and class on social justice issues in urban education. Emphasis is placed on how urban schools have served as vehicles of oppression and opportunity for social groups in our society. Students also consider the political ideologies, theories, classroom properties and structures within these spaces. The class uses a critical pedagogy framework to analytically interrogate the relationship between education and social justice and to critically unpack the theories and practices within urban education.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Arizona State University Offered Courses

College Algebra and Problem Solving – MAT117

This online college algebra course equips you with the skills to effectively solve problems using algebraic reasoning. What sets this course apart from a standard algebra course is its strong emphasis on the techniques that are used to solve problems. The goal is not to simply teach you mathematical forms but to help you understand the "whys" behind how you are solving problems. Throughout this course, you will be able to participate in discussions with other students and the professor to help build your conceptual understanding of algebra. In this course, you'll learn about systems of linear equations, rational functions, quadratic functions, logarithmic functions, general polynomial functions, and exponential functions. Additionally, our college algebra online course uses cutting-edge adaptive technology (the ALEKS learning system).

ALEKS is a personalized math tutor that will help you learn each of the skills in our course at your own pace, making it fun to learn algebra online. Our goal is to reduce your "math anxiety" and ensure you walk away feeling confident about math!

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

English Composition – ENG 101

This introductory composition course will help you develop and express ideas effectively for a variety of personal and professional purposes, audiences, and occasions. During the course, you will complete five major written projects, maintain a writer's journal, learn and apply a variety of concepts in the field of rhetoric and composition, and create an ePortfolio where you will showcase your work and your evolving identity as a writer.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

English Composition: Research and Writing – ENG 102

This online writing course will help you understand dis- course and research writing with the goal of creating solutions to issues within your local context. What sets this course apart is that you won't be learning about subjects in an abstract sense; instead, you'll identify real, local problems and will seek to provide real solutions for these problems. To achieve this, you will be equipped with the tools to:

- Create an action-oriented research question
- Make a proposal for your research project
- Perform primary and secondary research
- Design your research project for publication on the Web
- Construct a call to action based on your research

This course is so much more than "just a writing course." It's a class that will simultaneously ignite your imagination for how you can improve the world around you and give you the tangible tools to see those improvements begin to take shape.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Human Origins – ASM 246
The course will take you on a fascinating journey through the scientific evidence for human evolution. Dr. Donald Johanson, the paleoanthropologist who found the famous skeleton "Lucy," will guide you through an overview of the hominin fossil record as well as introduce you to evolutionary theory. Take advantage of this unprecedented opportunity to dive deeper into the world of paleoanthropological field research from Dr. Johanson's perspective.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Introduction to Health & Wellness – HEP 100
This 3-credit hour health and wellness course focuses on the latest trends in health, exercise, and wellness. From stress management and emotional health, to overall well-being, we will explore personal health, health related attitudes and beliefs, and individual health behaviors. This course satisfies the Social-Behavioral Sciences (SB) general studies requirement at Arizona State University (ASU). This course may satisfy a general education requirement at other institutions; however, you are strongly encouraged to consult with your institution of choice to determine how these credits will be applied to degree requirements prior to transferring credit
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Introduction to Human Communication – COM 100
This course is designed to introduce you to the basic concepts of human communication, processes, and environments. This course surveys communication topics related to culture, identity, organizations, and relationships. By the end of this course, you should have a fuller understanding of appropriate and effective communication based on your knowledge of theoretical concepts and their application.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Introduction to Psychology- PSY 101 This introductory course is organized around modules that will cover the five pillars of psychology, which include the: biological pillar, cognitive pillar, developmental pillar, social and personality pillar, and mental and physical health pillar. As students progress through each learning Module, they will review up-to-date and relevant content, engage in meaningful active learning exercises, and complete a knowledge check or assessment. In addition, the course culminates with students completing a psychology-based milestone project that students will find applicable to their own life, such as in the workforce or their academic journey.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Introduction to Sociology – SOC101
In this course, you will learn how individuals both shape and are shaped by their communities. You will learn how individuals both actively impact and are shaped by their communities, and you will explore the formation and persistence of societies that consist of diverse groups of people. You will also gain valuable insight into the dynamics of group relationships, including how to effectively interact with others within a group. Finally, you will learn how the study of sociology applies to your daily life as well as the most pressing social events of our time. The topics you will study include:

- Society and culture
- Socialization amongst people
- Stratification and inequality within society, including gender roles
- Deviance and social control
- Social problems and social change
- Significant social structures in the United States, including the education system, government, and family

You will learn:

- To significantly improve your ability to communicate in both a professional and personal environment
- To improve your ability to think critically and write effectively
- The basic ideas and theories of sociology
- A deeper empathy for people who are different than you
- How sociology applies to your everyday life

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Introduction to Solar Systems Astronomy – AST 111

Have you ever looked up at the night sky and marveled at the vastness and complexity of space? We invite you to take a deeper dive into the mind-blowing world of astronomy. At the end of this course, you will walk away with the knowledge to answer the following questions:

- Where did our solar system come from?
- How is our solar system structured?
- What makes up our solar system - what are its con- tents?
- What are solar planetary systems?
- What is the history of the field of astronomy?
- Why are the various properties of light important to astronomy?
- What are the various instruments used in astronomy and how are they used?

Throughout the course, we will also take a look at nearby stars and learn about the Lowell Observatory, the Challenger Space Center, the Discovery Channel Telescope, and Meteor Crater, the largest meteor impact site in the world. Additionally, you'll take a virtual tour of the Lunar Exploration Museum and the home of the Mars Space Flight Facility where scientists are using spacecraft to explore the geology of Mars.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Macroeconomic Principles – ECN 211

Macroeconomics is the study of the sum of all spending, income, and productive efforts. The economic outcomes that we experience are the result of our intricate dealings with other governments, businesses, and people, both locally and globally. This course will give you insight into how economists approach and measure these big issues and questions. This first part of this course takes a look at the common household with a specific focus on how the members of a household choose their workloads and spending habits. You will also study how businesses, both large and small, make important economic decisions. The second part of this course dives into policy making and how these policies can either distort or enhance market outcomes. You will focus on five specific areas of economic policy:

- Free trade
- Research and development & innovation
- Fiscal and tax
- Inflation and monetary
- Unemployment and labor market policies

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Pre-calculus – MAT 170

In this college-level Pre-calculus course, you will prepare for calculus by focusing on quantitative reasoning and functions. You'll develop the skills to describe the behavior and properties of linear, exponential, logarithmic, polynomial, rational, and trigonometric functions. This course tailor's content and personalizes the learning experience around your skill level, allowing you to achieve mastery in a certain concept before moving on to the next. Utilizing the ALEKS learning system, students in this personalized, self-paced course will be instructed on the topics they are most ready to learn. Individualized coaching is also provided as you move through each new topic. Before taking this course, you should already have a strong under- standing of algebraic skills such as factoring, basic equation solving, and the rules of exponents and radicals. These algebraic skills can be mastered though the college algebra course.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Programming for Everyone: Introduction to Programming – CSE 110

Every day, computers and algorithms touch the lives of everyone around us in both mundane and profound ways. These algorithms are in the plants and distribution systems that bring you clean water and electricity, sensors that moderate the flow of traffic, in the tractors and combines that sow and harvest our food, and in the satellites that measure and predict the weather trends. If you are curious about what computers can do, and how we instruct them to do those things - this course is for you. No prior programming experience is needed for this course. In addition to just exposure to programming, you'll gain a powerful set of thinking and problem-solving skills that you can use in your daily life. Start taking advantage of the power of computers around us to make our world a better place. This three-credit course satisfies the Computer/Statistics/Quantitative (CS) general studies requirement at Arizona State University. This course may satisfy a general education requirement at other institutions; however, it is strongly encouraged that you consult with your institution of choice to determine how these credits will be applied to their degree requirements prior to transferring the credit. What you'll learn includes:

- What a computer scientist does
- The basic operation and capabilities of computers
- Algorithmic problem-solving
- Debugging programs
- Automating basic processes using computers
- Writing basic programs using modern programming language

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Technological, Social, and Sustainable Systems – CEE 181

This course will educate you on a number of different topics surrounding sustainability. At the end of the course, you will have a deeper understanding of:

- How technology impacts sustainability and society
- How different ideas like sustainability and technologies are understood and evolve under various cultural frameworks
- Emerging technologies from the Industrial Revolution up to the present day
- How new technology can lead a complex and challenging future that may resemble some of your favorite science fiction

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Western Civilization: Ancient and Medieval Europe – HST 102

This first-year online history course will take you on a fascinating journey of the history of Europe from ancient times through 1500 AD. You will learn about a number of cultures and periods, including:

- Greek
- Roman
- Byzantine
- Celtic
- Frankish

You will also learn:

- How to critically analyze the development and growth of people economically, socially, and politically.
- The evolving social role that religion plays in European culture.
- The changing political systems in Europe and how they impact Western society.
- The evolving relations between Ancient Europe, Medieval Europe, and beyond.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Poetry in America: The City from Whitman to Hip Hop – ENG 194

In this course, we will consider American poets whose themes, forms, and voices have given expression to visions of the city since 1850. Beginning with Walt Whitman, the great poet of nineteenth-century New York, we will explore the diverse and ever-changing environment of the modern city—from Chicago to Washington, DC, from San Francisco to Detroit—through the eyes of such poets as Carl Sandburg, Emma Lazarus, Edna St. Vincent Millay, Langston Hughes, Marianne Moore, Frank O'Hara, Gwendolyn Brooks, Allen Ginsberg, Robert Hayden, and Robert Pinsky, as well as contemporary hip hop and spoken word artists.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Poetry in America, 1850-1945 – ENG 194

Beginning with the poetry of the American Civil War and the series of major events and social movements that followed it, we read such poets as Herman Melville, Julia Ward Howe, Walt Whitman, Edwin Arlington Robinson, Paul Laurence Dunbar, Francis Ellen Watkins Harper, and Emma Lazarus, and examine the language of patriotism, pride, violence, loss, and memory inspired by the nation's greatest conflict. As we enter the twentieth century, we encounter modernism, a movement that spanned the decades from the 1910s to the mid-1940s, and whose poetry marked a break from past traditions and past forms. We read such poets as Robert Frost, T.S. Eliot, Marianne Moore, Langston Hughes, William Carlos Williams, Edna St. Vincent Millay, Claude McKay, Dorothy Parker, and Wallace Stevens. We study how these poets employed the language of rejection and revolution, of making and remaking, of artistic appropriation and cultural emancipation.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Granite State College Offered Courses

Arts 501 Introduction to Drawing

This studio art course involves the student in a hands-on approach to basic drawing and composition. Students explore, comprehend, and employ the basic elements and principles of art, use various graphic media and become familiar with the vocabulary, concepts and techniques of drawing. Each student is given opportunities to explore individual problems and materials with the goal of becoming a participant in the art process rather than a viewer.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

COMM 542 Interpersonal Communication and Group Dynamics

Designed to provide both a theoretical and practical introduction to interpersonal communication and group dynamics, this course provides an awareness of the unique process, purposes, problems and possibilities of communication. Emphasis is placed on participation and awareness of communication behaviors, both in interpersonal settings and in small groups, as portrayed in the generic roles of member, leader, and process observer. The course helps students to understand the complex nature of relationships through analysis of the concepts of collaboration, cohesiveness, group decision- making, conflict resolution, the function of teams, and the role of facilitation. COMM 542 guides students in developing basic interpersonal, intercultural, and group communication skills that they can apply to personal and professional encounters in everyday life.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

CRIM 500 Introduction to Criminology

This course introduces the learner to the field of criminology by re- viewing the historical underpinnings of the modern-day study of crime and criminals, examining the theoretical causes of crime and criminality, and evaluating society's responses to crime. Learners are introduced to the sociological, biological, and psychological schools of criminological thought. Topics include crime statistics and social and legal mechanisms used to address criminal activity and the individual criminal.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

CRIT 501 Critical Inquiry

Critical Inquiry provides the foundation for an informed and meaningful college experience through the cultivation of intellectual curiosity. In CRIT 501, students explore how their individual capacities position them for the attainment of their goals within the academic community of Granite State College. Through the study of media and popular culture and the completion of short writing assignments, students learn how to develop and scale a personally motivated research question, refine their topic, and determine effective search strategies for finding credible and appropriate information. An important part of the research process is learning how to analyze different types of argument in order to participate responsibly with public discourse. This process includes discussions of how to evaluate information sources from a variety of venues. Critical Inquiry fosters the self-awareness and intellectual perspective that are the hallmarks of well-educated per- sons and lifelong, engaged students in the twenty-first century.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

ENG 500 The Writing Process

This course introduces students to the foundational concepts and skills needed to communicate effectively in writing for academic study and professional development. Students will learn how to use the four stages of the writing process "prewriting, drafting, revising, and editing" to create written communication that meets its intended purpose for its intended audience. Students will also be introduced to rhetorical styles and the role of outside sources in academic writing. Constructing and implementing effectively designed search strategies for information to answer a critical inquiry or research question are also addressed in this course.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

ENG 504 Introduction to Literature

This writing and reading intensive course is intended to increase students' exposure to and appreciation of literature in its many forms. Students will therefore read and discuss the primary genres of poetry, the short story, drama, and the novel. The second goal of the course is to hone students' abilities to read, write, and think critically about the ways in which human experience itself is shaped by language in literary texts. Through the development of literary analysis skills and the practice of writing about literature, students will learn to communicate meaningfully about literature as an art form with aesthetic, social, cultural, and political significance.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

ENG 510 Survey of American Literature

This course provides a broad overview of significant American authors and representative texts from the Colonial period to the present. Learners become familiar with key figures and movements in the nation's literary heritage and examine how historical, political, and social forces have influenced the development and expression of a uniquely American perspective.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

ENG 604 Creating Writing

The goal of this course is for students to develop their own capacity for creative expression by writing in fiction, poetry, and other genres using the major craft forms and elements of the genre. They will also generate strategies for reading and interpreting contemporary published writing in the same genres. A workshop format will be used for students to learn how discussing works in progress with other writers can advance their own creative expression and support the creative expression of others. The workshop format will also introduce students to the unique challenges posed by the revision process in reworking an original creative work for an external audience. *PREREQUISITE(S): ENG 500 The Writing Process*

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

HIS 502 Great Civilizations

This course examines the rise of civilizations throughout the world, tracing the history of human societies from their beginnings until the European discovery of America. After surveying the prehistoric period and early civilization, the course focuses on the religious, political and cultural characteristics of Asian and Arabic civilizations in the East and Middle East, and on Greco-Roman antiquity and the Middle Ages in the West.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

HUMN 560 Elementary Spanish I

This is the first of a two-course sequence in which students build a foundation for speaking and understanding the Spanish language. It presents introductory grammar and vocabulary in order to lay the groundwork for comprehension, communication, and interest in Spanish and Spanish-speaking cultures. Students develop a basic proficiency in the language through practice in reading, writing, listening comprehension and oral expression.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Math 502- Math for Our World

This course takes an integrated approach to the study of mathematics, combining mathematical concepts with applications in the real world. It addresses topics in mathematics necessary in a college education, providing the reasoning strategies needed for mathematical problem solving in the workplace, the media and everyday life. This course serves as the foundation for higher-level math courses and provides the quantitative skills necessary to be adequately prepared. The overarching goal is to learn to interpret quantitative and statistical information that we encounter daily. Students will understand how real world problems can be analyzed using the power and rigor of mathematical and statistical models.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: a C or better in Algebra and Geometry** **Term: SEM**

MATH 510 – Pre-Calculus

This course is intended as a bridge course between algebra and calculus. The course focuses on strengthening the student's mathematical problem-solving skills and developing a firm understanding of functions, their graphical representation, their behavior, and their use to model real-life situations. Various classes of functions will be highlighted: polynomials, rational, exponential, logarithmic and trigonometric. Topics may also include algebraic concepts, real number systems, systems of equations and inequalities, complex numbers, and polar coordinates.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: Math 502** **Term: SEM**

SCI 502 Nutrition Concepts and Controversies

This course provides the student with a foundation in the science of nutrition and the knowledge necessary to separate nutrition fact from fallacy. The research supporting direct and indirect links between nutrition and disease is examined. In addition, current controversial issues are discussed along with the validity of nutrition related claims.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

SCI 505 Human Biology

This course is an introductory study of anatomy and physiology that provides a foundation in biological science and the correlation of structure and function of the human body. Topics explored include genetics, heredity, reproduction, endocrinology, immunology and the concept of homeostasis. The building of a relevant vocabulary and a foundation of facts and concepts provides the background needed for further understanding of developments in bio- science and biomedicine.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

SCI 506 Physiology of Wellness

This course provides the student with a background in basic physiological processes related to overall health and fitness. Topics include metabolism, homeostasis, how body systems work together, nutrition, and exercise. Factors that interfere with healthy physiological functioning are examined. In addition, common diseases such as diabetes, obesity, high cholesterol, hypertension, heart disease, and asthma are discussed in light of physiological and environmental factors that increase the risk of these diseases. Genetic predisposition to disease is also examined. Finally, measures to maintain overall health and fitness are addressed.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

University of District of Columbia Offered Courses

UDC APCT 115 Foundations of Computing

Survey of computer science topics. Features applied concepts of iteration, induction, and recursion; functions and relations; propositional logic and predicate logic; graph and tree data structures; Boolean and computer logic; finite state machines; and algorithmic problem solving.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

UDC CYSE100 Introduction to Cybersecurity and Information Assurance

This course helps students take a proactive, realistic, and holistic approach to assess cyber threats and implement countermeasures. It provides students with basic knowledge and skills in the fundamental theories and practices of cybersecurity. This course also provides a basic introduction to all aspects of cybersecurity, including core concepts, technology and skills, latest attacks and countermeasures, policy and procedures, communications security, network security, security management, legal issues, political issues, and technical issues.

Campus: **Tech Prep, Collegiate** **Credit: 1.0** **Prerequisite: N/A** **Term: SEM**

UDC CYSE130 IT Systems Component Security

This course provides students with a basic understanding of an information technology system's core components and their roles in system operation. It also covers high-level introduction of endpoint protection, storage devices, system architectures, alternative environments, network security components, intrusion detection and prevention systems, incident response, software security, configuration management. It also focuses on vulnerability scanning, vulnerability windows, physical and environmental security concerns, Internet of Things, and cyber defense

Campus: Tech Prep, Collegiate **Credit:** 1.0 **Prerequisite**: Introduction to Cybersecurity **Term**: **SEM**

UDC CYSE 230 Computer & Mobile Forensic Investigation

This course presents methods to properly conduct a computer forensics investigation beginning with a discussion of ethics, while mapping to the objectives of the International Association of Computer Investigative Specialists (IACIS) certification. The provides an overview of digital investigations and data recovery with emphasis on data presentation techniques and chain-of-evidence procedures. Current computer forensics tools are presented along with controls required for digital evidence acquisition.

Campus: Tech Prep, Collegiate **Credit:** 1.0 **Prerequisit**e: Introduction to Cybersecurity and IT Systems Component

Term: SEM

UDC CYSE 275 Principles of Cybersecurity and Security Management

This course covers the policies and practices adopted to prevent and monitor unauthorized access, misuse, modification, or denial of a computer network and network-accessible resources. It includes the topics related to Administering a Secure Network, understanding the basic and core concepts of information security, identifying different types of cyber-attacks including, Malware and Social Engineering Attacks, Networking and Server Attacks.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: Intro to Cybersecurity, Computer & Mobile Forensic Investigation** **Term: SEM**

Economic of Personal Finance – FINA214C

This is an introductory course that will cover strategies to effectively establish and manage financial plans to achieve life goals and objectives. The course will explore managing personal budget, expenses and debt; saving and investing money for the future; and planning for unexpected financial contingencies. This course is developed and delivered through sponsorship by the Guardian Life Insurance Company of America, based on the Guardian's Money Management for Life SM initiative and has been made available to qualified students at minimal financial cost.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

English Composition I – ENGL11C

Focuses on expository writing. Includes selected readings and extensive practice in writing essays (e.g., analysis, comparison and contrast, cause and effect). Also reviews grammar and introduces the student to library resources.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

English Composition II – ENGL112C

Continues the study of the writing process begun in English Composition I. This course focuses on argumentation and analysis with extensive practice in writing and in-depth critical thinking through the use of supplemental readings. Culminates in the writing of a research paper.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Pre-calculus w/ Trigonometry I – MATH113C

Examines algebraic notation and symbolism; exponents and radicals; algebraic functions; solution of linear and quadratic equations and inequalities; relations and functions; rational functions and their graphs; conic sections; exponential and logarithmic functions and their graphs. Provides instruction primarily for students preparing to take calculus. Lec. 3 hrs.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: a C or better in Algebra and Geometry** **Term: SEM**

Public Speaking – SPCH115C

Investigates informative speaking, persuasion, group discussion, impromptu, manuscript, and extemporaneous formats. Includes basic speech writing and presentation of speeches

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Howard University Courses

Principles of Criminal Justice 170

This introductory course serves as a foundation into the criminal justice system. In this course students will explore the key concepts of the criminal justice system and critically think about issues emerging in 21st century media. In addition, students will debate current controversy as it relates to the principles of criminal justice. The main educational goal of the course is to critically conceptualize, understand and explain the relevant issues surrounding the criminal justice system.

Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Marymount University Offered Courses

EN 101: English Composition I

This course focuses on the reading, writing, critical thinking, and research skills that students need to participate effectively in civic discussions and debates. The course explores topics of public significance, particularly those important to the D.C. metro

area, through first-hand research and through an examination of new and traditional media. The course culminates in a project that contributes to the public discussion of a topic.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

EN 102: English Composition II
This course focuses on the reading, writing, critical thinking, and research skills students need to participate effectively in academic discussions and debates. The course explores topics in writing studies through an examination of primary and secondary sources. The course culminates in a position essay that contributes to an academic discussion of a topic. A minimum grade of C- is required for graduation.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: EN 101 or equivalent** **Term: SEM**

MA 171A: Calculus with Pre-calculus A
This is the first part of a year-long sequence that integrates the study of Pre-calculus with the study of Calculus. This first semester includes a review of functions, including polynomial and rational functions, limits, differentiation of algebraic functions, and applications of differentiation. Graphing calculators are used to explore properties of functions and to facilitate computations.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

MA 172A: Calculus with Pre-calculus B
This is the second part of a year-long sequence that integrates the study of Pre-calculus with the study of Calculus. This second semester begins with an introduction to integration and continues to apply the study of differentiation and integration to exponential, logarithmic, and trigonometric functions. The course includes a careful look at integration using substitution and integration by parts.
Campus: Tech Prep, Collegiate **Credit: 1.0** **Prerequisite: NA** **Term: SEM**

Morehouse College Offered Courses

Morehouse College HSOC 103: Social Problems
This course examines the major issues confronting society: economic and political change, nationalism, racial and ethnic relations, sexism, socioeconomic class, crime and justice, health and education, and family life. It discusses causes, effects, possible solutions and future trends. Students will examine the interrelationship of social problems and their roots in fundamental social institutions.
Campus: **Tech Prep, Collegiate** **Credit: 1.0** **Prerequisite: NA** **Term: SEM**