



High School Course Catalog

Graduating Class Of 2029



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Our Commitment

The mission of the Appoquinimink School District is to provide a world-class education where each of our students gain the knowledge, understanding, skills and attitudes needed to contribute to and flourish in a global society. To support our mission we have designed the high school experience to prepare students for future employment, further study at the college and university level, and to be effective citizens. Our program consists of a variety of Pathways from which students choose that include a wide choice of specialty courses, core required coursework, and an array of elective offerings.

Our students are living and learning in a dynamic and exciting era. During their lifetime, they are certain to find opportunities and experiences that surpass those of previous generations. It is essential that our students not only develop knowledge and skills through content area instruction, but that they also learn to be collaborators, critical thinkers, problem solvers, communicators and use their creativity. We urge you to take full advantage of the classes and extra-curricular opportunities in the Appoquinimink School District.

Highlights

- 22 Pathways
- 32 AP courses and 42 Exam Opportunities
- Opportunities for Pathway Concentrations
- 19 Dual Enrollment Courses (Partnerships with postsecondary institutions)
- Early College Credits accepted as high school credit
- Robust Advisory Industry Partnerships
- Articulations with local colleges and universities for students to earn college transfer credit through the completion of Pathway courses
- AP Capstone Program with the opportunity for students to earn an AP Capstone Diploma
- Work-Based Learning Experiences for All Students
- Capstone Portfolio with embedded Capstone Project in the Senior year

Each Pathway has required courses (depending on a student's concentration preference and choice of electives). Students are encouraged to work with their parents and counselors to select the best path to graduation, preparing them for college and careers.

The Pathway Experience

The purpose of our Appoquinimink Pathways is to provide students with options and opportunities to grow as learners through both experiential and academically rigorous coursework.

Liberal Arts Electives

- Every Pathway requires as many or more electives than required Pathway courses
- A breadth of learning experiences
- A wide variety of selections based on student interest
- A unique transcript

Pathway Courses

- Every Pathway requires four primary Pathway courses.
- Aligned to Industry Standards
- Based on jobs in the field and college majors
- Demonstrate a connection to a particular program of study for students' future
- Concentrations

Work-Based Learning

- Every Pathway requires Work-Based Learning experiences and credits
- Teachers and students have access to a network of 350+ business partners
- Advisory Boards
- Continuum of experiences in grades 6-12
- Pathway-specific graduation requirements
- Workforce Readiness Curriculum
- Workforce Readiness Fair

Capstone Project

- Every Pathway requires a Capstone project
- Every Pathway has an identified Capstone course and/or a process for completing a Capstone project
- Capstone projects are aligned to students' Pathways
- Capstone projects demonstrate students' learning, reflection, research, and communication of their Pathway/course

Advanced Standing Courses

- Every student has access to 80+ Advanced Standing courses
- 24 AP courses offered in the freshman year
- Many courses with articulated agreements

Accelerated Learning Options

- Summer programs
- Dual Enrollment credits
- Online "Early College" courses
- Speeding up course sequencing

Schools and Pathways



School of Agriculture & Natural Resources 18

- Animal Science & Veterinary Technology
- Environmental & Natural Resource Science
- Applied Plant Systems



School of Business & Economics 26

- Junior Achievement® Entrepreneurship, Business & Leadership
- Global Leadership & Human Studies



School of Culinary Arts & Hospitality 32

- Culinary & Hospitality Management



School of Education & Human Studies 36

- Education & Leadership



School of Health Sciences 40

- Healthcare Sciences



School of Language, Literature & Human Development 44

- Advanced Placement
- Humanities
- World Language & International Studies



School of Civic Leadership 52

- Criminal Justice & Legal Issues
- Life-centered Career Education



School of Visual, Performing & Design Arts 58

- Digital Communication Technology
- Music
- Theatre Arts
- Visual Arts



School of Science, Technology, Engineering & Math 68

- Aerospace
- Computer Science (PLTW)
- Engineering (PLTW)
- Science



School of Skilled & Technical Trades 78

- Construction, Machinery Operator

Table of Contents

Information

The Student Experience	1
College and Career Readiness	5
Advanced Standing Opportunities	6
Concentrations	82

Pathways

Advanced Placement	46
Aerospace.....	70
Animal Science & Veterinary Technology.....	20
Applied Plant Science	24
Computer Science (PLTW)	72
Construction, Machinery Operator	80
Criminal Justice and Legal Issues	54
Culinary and Hospitality Management.....	34
Digital Communication Technology	60
Education and Leadership	38
Engineering (PLTW)	74
Environmental & Natural Resource Science.....	22
Global Leadership & Human Studies	30
Healthcare Sciences.....	42
Humanities	48
Junior Achievement® Entrepreneurship, Business, & Leadership	28
Life-Centered Career Education.....	56
Music	62
Science	76
Theatre Arts	64
Visual Arts	66
World Language and International Studies.....	50

Course Descriptions

English Language Arts.....	86
Mathematics	89
Science	92
Social Studies	96
World Language	99
Agriculture and Natural Resources	103
Business and Economics	104
Culinary and Hospitality Management	105
Education	106
Health Sciences	107
Criminal Justice	108
Jobs for Delaware Graduates	109
Junior Reserve Officer Training Corps (JROTC)	109
Life-Centered Career Education	110
Visual, Performing, and Design Arts	110
STEM (Science, Technology, Engineering, Math)	116
Skilled and Technical Trades	119
Additional Courses	120

The Student Experience

Graduation Requirements

Incoming freshmen will select a Pathway as part of their enrollment process to Appoquinimink School District (ASD) high schools. Students are encouraged to work with their parents, teachers and school counselors to select the Pathway that best prepares them for college and careers. Student choices should be consistent with their abilities and career plans. The number of credits required for completion is dependent upon the student's Pathway and can be found within the Pathway description in the course catalog. Program specifics are located on the following pages.

High school courses taken at any middle school in the Appoquinimink School District may be awarded high school credit. Students who meet required prerequisites may earn high school credit in middle school math and world language. Middle school students taking Level I courses in American Sign Language (ASL), Spanish, Japanese, and French are awarded one high school world language credit.

GPA And Weighted Credits

Grade Point Average (GPA) is calculated by dividing the total number of quality points by the number of credits attempted to date. Only final course and yearly cumulative GPAs appear on transcripts.

Certain courses have been approved for additional quality point weight, which is added to the grade point average of students. These courses are approved because they are academically demanding and meet the rigor and credit attainment of a postsecondary level institution. Courses identified as articulated, dual enrollment, or advanced placement qualify for weighting of one additional quality point.

Each college or university determines its own measure for acceptance into their institution. It's important to note that institutions of higher learning typically view GPAs on a 4.0 scale. Advanced Standing credit, rigorous coursework and other factors can impact a student's transcript for admission to the institution.

Earning Credits

The Appoquinimink School District offers eight credit hours per school year during regular school hours. Additional credits can be earned by taking courses after school or during the summer. This gives all students 32 or more credit opportunities prior to graduation and allows students to not only complete their selected Pathway, but take additional credit hours to enhance their transcript and improve their high school experience. The schedule allows for an increased academic opportunity, a rigorous year-long learning experience, and increased instructional time. We encourage our students to maximize the number of opportunities offered at school, both academic and extracurricular.

Appoquinimink Capstone Project

Each Pathway has an identified Capstone course(s) that is designed to be taken in the senior year. This course ties together the key learning objectives the district expects the students to learn throughout the Pathway. During the Capstone course, students will be expected to research a topic of interest within the Pathway with the support of an industry partner, and present their findings to a committee.

Drug Policy

The possession, use and/or distribution of alcohol, a drug, a drug-like substance, a look-alike substance and/or drug paraphernalia are wrong and harmful to students and are prohibited within the school environment, including school trips.

All alcohol, drugs, drug-like substances, look-alike substances and/ or drug paraphernalia found in a student's possession shall be turned over to the Principal or Designee and be made available, in the case of a medical emergency, for identification.

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Code of Conduct



Schedule Changes

Considerable planning, time, and effort, as well as input from students and counselors, go into the creation of the master and individual student schedules. The schedule of classes is based on the requests made by the students. The accuracy of these requests is imperative prior to the development of the master schedule. Once the master schedule is completed based on students' requests, the school staff begins the process of assigning teachers to classes, ordering course materials, preparing classrooms, and scheduling students.

After the course selection process ends, schedule/course changes will only be reviewed once student schedules are available in the Home Access Center in late August.

Please see the drop/add policy, which has been revised for the 2026 school year.

Summer Months and Scheduling

During the summer months, the master scheduling team creates the master schedule of all courses based on student requests. Once the schedule is complete, counselors will review all student schedules to ensure that every student has a full schedule that meets school and graduation requirements. It is imperative that students select courses very carefully and include a minimum of three alternate courses. Every effort will be made to honor a student's first scheduling request. In some cases, a first request may not fit due to scheduling constraints or conflicts. In such cases, a student's alternate course will be scheduled to ensure that the student has a full schedule. If a student does not choose alternate courses, the student will be placed in an appropriate course to ensure a full schedule. Schedule change requests may not be submitted prior to the beginning of the school year.

Policy for Dropping/Adding Courses

The drop/add period will begin on the first day of school and will end at the conclusion of the fifth time a class meets. Changes will only be made if a teacher, counselor, and/or administrator approves the change for a valid reason.

Schedule changes will only be considered for the following two reasons:

1. To change the level of a course between College Prep, Honors, and Advanced Placement.
2. If a student has been placed in a class that was not on their original course requests.

Schedule changes will *not* be considered for the following reasons:

1. The student decided that they no longer want the requested course.
2. The student/parent does not like the teacher.
3. The student is failing the class.
4. The GPA is being affected.

Valedictorian And Salutatorian

Prior to graduation, a valedictorian and a salutatorian will be selected from the graduating class. The valedictorian will be the student ranking first in the graduating class and the salutatorian will be the student ranking second in the graduating class, as determined by their cumulative weighted GPA.

In the case of a tie for the valedictorian position, the students tied will share the honor and no salutatorian will be named. In the case of a tie for the salutatorian position, both students will be named salutatorian.

Any student wishing to be considered for class valedictorian or salutatorian at any district high school must:

- a. Be enrolled in the Appoquinimink School District no later than the first day of their junior year.
- b. Complete the same course requirements as all other members of the graduating class.

For the purposes of these procedures, the cumulative weighted GPA is the weighted GPA earned by a student throughout their entire high school career. The weighted GPA is the point value assigned to the earned grade for each course identified by the district as a weighted course. The weighted GPA is based on a 4.0.

In determining whether or not a tie exists for either position, the weighted cumulative GPA shall be calculated to one-thousandth of a point. (0.001)

Honors Courses (H)

Honors Courses (H) are designed to challenge students who are considering applying to highly competitive colleges and universities. Students enrolled in these courses are expected to utilize independent learning and study skills, and complete additional projects presented by the instructor.

College Preparatory (CP)

Unless otherwise indicated, all courses are college preparatory and designed to provide a rigorous curriculum aligned with state standards while supporting the student's Pathway. These classes prepare students for a variety of postsecondary experiences, including higher education and/or the workforce.

GPA Scale

Grade	Letter Grade	Quality Points	Honors QP	Advanced Standing QP
97-100%	A+	4	4.5	5
93-96%	A	4	4.5	5
90-92%	A-	3.66	4.16	4.66
87-89%	B+	3.33	3.83	4.33
83-86%	B	3	3.5	4
80-82%	B-	2.66	3.16	3.66
77-79%	C+	2.33	2.83	3.33
73-76%	C	2	2.5	3
70-72%	C-	1.66	2.16	2.66
67-69%	D+	1.33	1.83	2.33
63-66%	D	1	1.5	2
60-62%	D-	0.66	1.16	1.66
0-59%	F+	0	0	0

College and Career Readiness

Work-Based Learning (WBL)



Work-Based Learning is a set of instructional experiences that helps prepare students to become college, career, and life ready. WBL experiences are structured experiences for students to interact with employers and industry partners at school or at a worksite. WBL integrates classroom lessons and real-world experiences to help students connect their Pathway coursework, postsecondary education, workforce readiness and future careers. All students in the Appoquinimink School District are required to complete a 50-hour immersion experience with an industry partner of their choice.

Industry Certifications

Students in specific Pathways will have the opportunity to earn state recognized industry certifications. Available credentials vary by Pathway and help students to strengthen their portfolio and give them a head start in their career aspirations.

Workforce Readiness

Students engage in curriculum over the course of their high school career. The training is delivered by teachers, industry partners, and alumni in the areas of resume building, interview skills, networking and general workforce tips. Completion of the curriculum is a prerequisite to participation in an immersion work-based learning experience. Students attend the Workforce Readiness Fair in their junior year of high school to better prepare them for their immersion experience.

Student Success Plan

Students are required to complete a robust Postsecondary Plan beginning in middle school and continuing through 12th grade. Students are afforded the opportunity to self-reflect and learn more about postsecondary opportunities, including direct employment and careers that require postsecondary education. All students in grades 6-12 are scheduled into a Compass course that includes lessons that allow for discovery of career options and goals, Social and Emotional Learning (SEL), and other various ways to help students see the connection between school, learning, personal passion, and their future careers.

Early College Credit

Colleges and universities may grant college credit for certain courses taken while in high school. These agreements recognize that skills and competencies are developed through successful completion of specific coursework. Articulated credit is awarded to students who achieve the competencies agreed to and continue in a related program of study at the partnering college/university. Benefits of articulated credit can include savings on tuition, books and fees, saving time by avoiding duplicative coursework, and providing time in the schedule for expanded program content.

Beginning in the middle school years, students are counseled on preparing for opportunities in postsecondary education and career opportunities. Students learn about the advantages of obtaining industry certifications and professional licenses in a career and technical education field prior to high school graduation. Such opportunities include access to Advanced Placement (AP) courses, dual enrollment and articulated courses resulting in advanced standing at the postsecondary level.

Compass

Part of a student's academic journey includes Career-Connected Learning opportunities for students. All students are required to graduate with a credit that is earned through their Compass course. This course is offered to students weekly and is in addition to the eight courses a student selects on their schedule. During this time, students explore college and career opportunities that interest them, learn financial literacy skills, work on their student success plan, complete Capstone and work-based learning requirements and receive SEL support and assistance with academics.

The vision of Compass is to provide an inclusive environment, through career-connected middle and high schools, for ASD students to navigate their social-emotional well-being, academic journey and college and career readiness while understanding their individual and collective value in our global community.

Delaware Bridge Program

*Advanced Language Coursework for Post-AP Language Study
(Continuation of Dual Language Immersion Program)*

The Bridge Program at Delaware State University offers an advanced language courses for high school students who have scored at least a 3 on the AP language and culture (or literature) exam. Students have the opportunity to complete Bridge courses while in high school earning both high school and university credit. Students who complete bridge courses will earn 3 college credits [hours] and 1 high school credit per course. All college language credits will be counted as upper division credits that can be applied toward the language minor. Students who pass the Advanced Placement (AP) Spanish Language & Culture with a score of 3, 4, or 5 will be awarded 6 credits at Delaware State University.

Scan me to learn
more about our
College & Career
Readiness Programs



ADVANCED PLACEMENT AND POSTSECONDARY ALIGNMENT

Accepted AP Credits and Required Scores for Most Widely Attended Colleges

AP Courses Offered in Appoquinimink School District	Delaware State University	Delaware Technical Community College	Drexel University	Howard University	Penn State University	Salisbury University	Temple University	Towson University	University of Delaware	University of Maryland Eastern Shore	University of Pennsylvania	Washington College	West Chester University	West Virginia University	Widener University	Wilmington University
Art & Design	3	3	4	4	3	3	3	3	3	3	NI	5	3	3	3	3
Biology	3	3	4	4	4	3	3	3	3	3	NI	4	3	3	3	3
Calculus AB	3	3	4	4	4	3	3	3	3	3	NI	4	3	3	3	3
Calculus BC	3	3	4	4	3	4	3	3	3	3	NI	4	4	3	3	3
Chemistry	3	3	4	4	4	3	4	3	3	3	NI	5	3	3	3	3
Comp. Science A	3	3	4	4	4	3	4	3	3	3	5	4	3	4	3	3
Computer Science Principles	3	3	4	4	4	3	4	3	3	3	NI	NI	3	3	3	3
English Language and Composition	3	3	4	NI	NI	3	4	3	3	3	NI	4	3	3	3	3
English Literature	3	NI	4	4	4	3	4	3	3	3	NI	4	3	3	3	3
Environmental Science	3	4	4	4	3	3	3	3	3	3	NI	5	3	3	3	3
French Language & Culture	3	NI	4	NI	3	3	4	3	3	3	5	4	3	3	3	3
Government/Politics: U.S.	3	3	4	4	4	3	4	3	3	3	NI	4	3	3	3	3
Human Geography	3	3	4	4	3	3	3	3	3	3	NI	4	3	3	3	3
Macroeconomics	3	3	4	4	4	3	3	3	3	3	5	4	3	3	3	3
Microeconomics	3	3	4	4	4	3	3	3	3	3	5	4	3	3	3	3
Music Theory	3	3	5	NI	3	3	4	3	3	3	NI	4	3	3	3	3
Physics 1	3	3	4	4	4	3	4	3	3	3	5	4	3	3	3	3
Physics 2	3	3	4	4	4	3	4	3	3	3	5	4	3	3	3	3
Psychology	3	3	4	3	5	3	3	3	3	3	5	4	3	3	3	3
Spanish Language & Culture	3	3	4	3	3	3	3	3	3	3	5	4	3	3	3	3
Statistics	3	3	4	4	3	3	3	3	3	3	5	4	3	3	3	3
U.S. History	3	3	4	4	4	3	4	3	3	3	NI	4	3	3	3	3
World History	3	3	4	4	4	3	4	3	4	3	NI	4	3	3	3	3

NI = Not identified

*Colleges and universities reserve the right to change the accepted score. These scores may be accepted for course credit or elective credit. All students who take an AP course are expected to take the AP Exam in May.

Advanced Standing Opportunities

Advanced Placement Courses ^(AP)

Advanced Placement courses are designed to challenge students who demonstrate a consistent record of outstanding academic achievement. Rich course material, vibrant classroom discussions and demanding assignments help these students develop content mastery and critical thinking skills expected of college students. The College Board (accredited organizer of AP curriculum and exams) audits all AP curriculum offered at the ASD high schools. The College Board also develops and scores all AP examinations for each course. In addition to content, AP courses focus on preparation for College Board AP tests. Successful completion of the course and AP exam translates into either college credit or elective credit for our students depending on the institution. Further information about College Board can be found at www.collegeboard.org. **The ASD expects all students who take AP classes to participate in the AP exams held in the spring of each year.** Scholarships to support AP exam fees are available for families with financial need.

AP Capstone

AP Capstone is comprised of two AP courses — AP Seminar and AP Research — and is designed to complement and enhance the discipline-specific study in other AP courses. The program provides students with an opportunity to engage in challenging scholarly practice of core academic skills necessary for successful college completion. AP Research is taken during the senior year as the required English course. AP Seminar and AP Research do not transfer to college as credits.

Students who earn scores of 3 or higher in AP Seminar and AP research and on four additional AP exams of their choosing will receive the AP Capstone Diploma. Students who earn scores of 3 or higher in AP Seminar and AP research but not on four additional AP exams will receive the AP Seminar and Research Certificate.

Articulated Credit

Colleges and universities sign agreements with the district to grant college credit for high school courses that align to college-level curriculum. These agreements recognize that skills and competencies are developed through successful completion of specific coursework. Articulated credit is awarded to students who achieve the competencies agreed to and matriculate to the partnering institution. Benefits of articulated credit can include savings on tuition, books and fees, saving time by avoiding duplicative coursework and providing time in the schedule for expanded program content.

Opportunities For Additional Credits

Students are encouraged to take additional courses outside of the typical school day. The district offers courses that run in a virtual or hybrid format after school hours and during the summer. In addition, students can take dual enrollment courses with colleges and universities that can count for both a high school elective credit and college credit. Students should check with their school counselor for an updated list of courses offered by our partnering colleges and universities. Students can also seek permission to enroll in a dual enrollment course from another institution of their choice.

Dual Enrollment

Students have the opportunity to enroll in college level courses and receive college credit. The ASD has partnered with Delaware State University, The University of Delaware, Wilmington University and Delaware Technical Community College to provide opportunities to accelerate learning. Students who successfully complete these courses earn high school and college credit which can be presented to any postsecondary institution (pending their requirements and approval). Each year, new courses are added to our list. Check with the counseling department at any time to determine the exact courses offered for dual enrollment. Students are required to cover the cost of any dual enrollment course they elect to enroll in unless it is a required course within their Pathway. Students are required to meet the entry requirements of the individual college or university.

Early College Elective Pack ^(ECEP)

College Success Starts in High School

The Appoquinimink School District Early College Elective Pack (ECEP) offers students the opportunity to receive a minimum of 9 college credits on their college transcript to an institution of their choice. Students have the opportunity to choose between any of the approved colleges available that offer dual enrollment courses to students and complete a breadth of college elective courses before they enter their freshman year of college. In addition to earning college credits, the Appoquinimink School District also rewards students with a high school credit.

Benefits To Advanced Standing Courses

The Appoquinimink School District encourages students to challenge themselves by scheduling courses that allow you to earn Advanced Standing credits at local universities. There are several benefits to taking Advanced Standing Courses:

- Unique transcript to help with college admissions
- Earn college credits while in high school
- Better prepared for college level coursework
- Receive bonus GPA Points - beneficial when applying for scholarships

Advanced Standing Courses

ADVANCED PLACEMENT

- AP African American Studies
- AP Art & Design
- AP Art History
- AP Biology
- AP Calculus AB
- AP Calculus BC
- AP Chemistry
- AP Chinese Language & Culture
- AP Comparative Government & Politics
- AP Computer Science A
- AP Computer Science Principles
- AP Environmental Science
- AP European History
- AP French Language & Culture
- AP Human Geography
- AP Japanese Language & Culture
- AP Language & Composition
- AP Literature & Composition
- AP Microeconomics
- AP Macroeconomics
- AP Music Theory
- AP Physics 1
- AP Physics 2
- AP Precalculus
- AP Psychology
- AP Research
- AP Spanish Language & Culture
- AP Statistics
- AP Seminar
- AP U.S. Government & Politics
- AP U.S. History
- AP World History

ARTICULATED CREDITS

- Advanced Machinery Operator
- AgriScience Leadership
- Animal Care and Management
- Applications of Digital Design
- Applications of Entrepreneurship
- Applied AgriScience
- Basic Aircraft Systems
- Construction Capstone
- Creating Environments for Learning
- Culinary & Hosp Professional
- Curriculum Instruction Early Childhood
- Cybersecurity
- English IV - Gothic Literature
- Environmental Sustainability and Ethical Leadership
- Essentials of Anatomy & Physiology
- Fundamentals of Health Science
- Gene Editing
- Introduction to Aerospace
- Introduction to Criminal Justice
- Introduction to Machinery Operations
- Leadership & Collaboration
- PLTW Engineering Design & Development
- PLTW Principles of Engineering
- Principles of Criminology
- Principles of Curriculum and Literature
- Principles of Plant Growth
- Sociology
- Sport Management I
- Sport and Media Relations
- Technology Applications in Criminal Justice

DUAL ENROLLMENT

- DSU Linguistics
- DSU Spanish Conversation
- DSU Trigonometry
- DSU World Language
- DTCC Anatomy & Physiology
- UD Changing the World and Public Policy
- UD Concepts of the Universe
- UD Food for Thought
- UD Geo Hazards & Human Impact
- UD Introduction to Hospitality Business Management
- UD Introduction to Women's Studies
- UD Introduction to Astronomy
- UD Introduction to Sociology
- UD Media/Design/Culture
- UD Media & Society
- UD Studies in Popular Fiction: Goth Lit: Horror/SciFi/Crime
- UD Visual Culture
- UD Western Civilization
- WU Music Appreciation

Visit

Appoccr.com
for the most up-to-date
listing of Advanced
Standing Courses



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Build Your Transcript Example

We've made a few changes to our course selection...

At Appoquinimink School District, we believe that you have the choice to make your high school career successful. Our school surpasses the standard high school level system and allows you the power to choose your path. We have created a new and efficient way to choose your classes and Pathway that best fits your interests and goals. While most courses need to be taken in order, we hope that this new layout encourages you to break the mold when it comes to your course selections.

The next page showcases our newest course selection design. We've given you the opportunity to use the lines to map out your high school career and the boxes to check them off once the class has finished. Our hope is that by the end of your senior year, you can proudly reflect on what you've completed over your high school career! If you have any questions about your high school journey, please contact your designated counselor below:

Scan Me
to learn more
about our
academic system!



Appoquinimink H.S.

9th Grade

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10th-12th Grade

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The Course Café

Order up your Success

Your Chosen Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- 8 Algebra I 9 Geometry
10 Algebra II

Choose Additional Courses:

- Precalculus 12 Calculus
 Statistics & Probability
 Advanced Algebra with Financial Applications

- 11 AP Precalculus AP Statistics

- AP Calculus AB AP Calculus BC

- AP Computer Science A

- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- 9 English I Pre-AP English I

- 10 English II

- 11 AP Language and Composition

Choose One:

- 12 AP Literature and Composition

- AP Research and Literature

- English IV *Choose from the options below*

- Gothic Literature Protest Literature

- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- 10 Biology I Chemistry I

- 9 Earth/Space Science I

- Physics

Choose one:

- Anatomy & Physiology I and/or II

- Biology II Chemistry I

- Earth/Space Science I and/or II

- Environmental Science

- AP Biology 12 AP Chemistry

- 11 AP Environmental Science

- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance

- 10 AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology

- World History ⁵ 12 AP World History ⁵

- Psychology AP Psychology

- AP European History AP Macroeconomics

- AP African American Studies

- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Pathway Course I

- Pathway Course II

- Pathway Course III

- Pathway Course IV

Required Courses

Some courses are taken multiple times.

- Health Physical Education

- World Language World Language II

- Work-Based Learning Practicum

- Capstone SSP

ASD Recommended:

- World Language III ³

- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 5.5 additional elective credits.

One of the courses must be a science or social studies credit.

AP Seminar

Choir

AP Research

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

[†] = Capstone

Scan me to see some
recommended class selections
for all the pathways!





— Think you —

CAN'T
afford college?



THINK AGAIN!



Did you know that you can attend Delaware State University (DSU), Delaware Technical Community College (DTCC) and the University of Delaware (UD) First state pathways program tuition-free?

You may qualify for the **SEED** or **Inspire Scholarship** if you live in Delaware.



SEED Requirements

DTCC

- Can enroll in credit and non-credit programs up to 10 semesters
- Must have a 2.5 GPA for associate's degree
- No GPA required for workforce-training certificate
- Can attend part-time after their first semester

UD

- Option to earn an associate's degree at the Dover, Georgetown, or Wilmington Campus
- Transfer to Newark Campus to earn their bachelor's degree
- Must have a 2.5 GPA, meet all of the requirements for admission to the school and file the FAFSA each year
- SEED recipients who have not used all 10 semesters of eligibility can use SEED towards their junior year of a bachelor's degree at the University of Delaware

Inspire Scholarship Requirements

- Enroll at **DSU** in the fall directly after high school graduation
- 4-year, full-tuition scholarship
- Students need at least a 2.75 GPA (80%)
- Must complete at least 10 hours of community service per semester
- Students must meet all requirements for admission to the school and file a FAFSA each year

Early Bird Program Requirements

- Must be a junior or senior attending a Delaware high school
- Must be recommended by high school principal or guidance counselor
- Must have a cumulative GPA of 2.5 or better
- Must obtain written parental consent
- Must submit an online application and letter of recommendation
- Must submit an updated high school transcript prior to each semester

The Work-Based Learning Gold Standard Experience

Alignment with Pathway of Study

Each experience is carefully selected to complement and enhance the student's chosen field of study.

Student Interest Alignment

Experiences are chosen based on student interests, making each placement personally relevant and engaging.

Duration

Each experience provides at least 50 hours of immersive, hands-on training. Construction students need to complete 120 hours. Culinary students have an option to complete 120 hours if they are interested in opting out of their level 4 course.

Driven by Capstone Topics

The work-based learning experience directly influences the student's Capstone project, providing real-world data and insights.

Mentorship by Industry Professionals

Students are guided and mentored by experts in the field, ensuring a rich learning environment.

Real-World Work Environment

The experience takes place in a setting that reflects actual working conditions, preparing students for post-graduation careers.



Work-Based Learning readies students for college and careers by providing structured interactions with employers. These experiences integrate classroom education with real-world skills, bridging coursework and future careers. In the Appoquinimink School District, all students must complete a **50-hour** immersion experience with their chosen industry partner.

[Full description on page 4](#)

Want to Learn More?

SCAN ME



Although it's not required for these Pathways, we **HIGHLY** suggest taking these courses!

AP Seminar

AP Seminar is a foundational, cross-curricular course that delves into complex academic and real-world topics by examining different viewpoints. Students read, analyze various texts, and engage with speeches, broadcasts and art. They learn to synthesize information, create persuasive essays, and present their ideas individually and collaboratively. This course aims to enhance students' critical thinking and communication skills, culminating in the AP Seminar exam, and it does not fulfill an English requirement.

AP Research & Literature

AP Research and Literature enables students to deeply investigate a subject of personal interest, engaging in a year-long research project that addresses a specific question. Building upon skills acquired in AP Seminar, students learn research methodology, ethical practices and information synthesis. They document their progress and compile their scholarly work in a portfolio, concluding with a 4000-5000 word academic paper, presentation, and oral defense, which fulfills the 12th-grade English requirement.

[Get the full course descriptions on page 89](#)



A Profile of a Graduate

Our district is committed to the success of our graduates. We've created the Profile of a Graduate to ensure all students who learn in Appoquinimink School District have the knowledge, skills, and mindsets needed for their futures.



Want to
Learn More?
SCAN ME!



Academically Ready

- Thinks, reads and writes critically
- Understands and applies mathematical concepts
- Understands sciences and appreciates the arts
- Listens actively
- Sets and attains goals

Workplace Ready

- Takes responsibility and manages time
- Solves problems and collaborates with others
- Communicates clearly and effectively
- Displays etiquette, accepts feedback and is coachable
- Demonstrates self-awareness and holds themselves accountable

Life Ready

- Resolves conflicts and seeks to understand
- Builds and maintains healthy relationships
- Is self-aware and internally motivated
- Develops a positive attitude and coping strategies

Civic-Minded

- Understands government and civic duty, votes and stays informed
- Is globally aware
- Displays integrity in words and deeds
- Exhibits empathy for others
- Demonstrates humanity and advocacy for positive changes

Future-Focused

- Discovers, explores and plans for career options/experiences
- Demonstrates financial literacy regarding financing for postsecondary opportunities
- Seeks internships, apprenticeships or other work-based/on-the-job learning
- Knows how to network and practices interview skills
- Follows through on commitments

Financially Savvy

- Budgets and manages money; saves for retirement and invests wisely
- Pursues sound financial decisions
- Understands banking, loans, interest rates, credit and taxes
- Demonstrates financial discipline
- Differentiates between needs and wants



SUCCESS STARTS HERE.

A focus on hands-on learning enables Delaware Tech students to be job-ready upon graduation. And with 96% of Delaware Tech graduates securing employment or continuing their education, you can be sure that your experience will help you reach your goals. We offer support for your success, educational excellence, convenience, affordability, and flexibility.

- Dedicated instructors with experience in their field
- Small class sizes
- Educational support
- Flexible schedules
- Variety of class formats
- Affordable tuition
- Financial aid
- Scholarships
- Veteran/military support services

**Your journey starts here ...
 and we'll be with you every step of the way.**



650+

Delaware businesses hire Delaware Tech graduates

97%

Delawareans

#1

Most affordable tuition in Delaware

200+

Bachelor degree, associate degree, diploma, certificate, and training programs



200+

Transfer agreements with four-year colleges



97%

Graduates employed or continuing their education



67%

Debt-free graduates

Average class size:

17



25

Average student age

Scan the QR code to learn more about Delaware Tech!



UNIVERSITY OF DELAWARE DUAL ENROLLMENT

Earn college credits while still in high school



With more than 150 major fields of study, the University of Delaware offers numerous options to pursue your passion. Check out all of UD's majors at udel.edu/apply/undergraduate-admissions/major-find

Thanks to a partnership between the University of Delaware and the Appoquinimink School District, academically qualified ASD juniors and seniors can simultaneously earn high school and college credits by taking designated UD courses.

- Learn from expert faculty at one of the nation's top research universities.
- Get a head start on college while saving time and money.
- Gain experience taking college-level courses.
- Enhance your college application.
- Take classes not offered at your school.

UNIVERSITY OF
DELAWARE®

pcs.udel.edu/high-school-dual-enrollment



Start college with confidence.



To learn about the ways to earn college credit, academic programs, funding options, Wildcat Nation and more, visit:

wilmu.edu/FutureWildcat

Attend a university **dedicated to your success**
and learn what it means to be part of Wildcat Country.



200+ exciting academic programs to choose from, in person or 100% online.

17:1

Student-to-faculty ratio.

#1

Most affordable private, nonprofit institution in the region.



Appoquinimink School District
THE WORLD IS OUR CAMPUS



WILMINGTON
UNIVERSITY™

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Questions? We're here to help every step of the way!

📞 Call: (877) 967-5464 💬 Text: (302) 396-6965 ✉️ Email: recruiting@wilmu.edu

DSU

Delaware State University



ENTER TO LEARN AND GO FORTH TO SERVE



Early Bird PROGRAM



The Early Bird Program allows Delaware high school juniors and seniors to earn college credit during the fall and/or spring semesters. To qualify, students must be recommended by their school, have a 2.5 GPA or higher, and obtain parental consent. Accepted students can enroll in up to six credit hours per semester, including required labs for science courses.



SCAN ME TO
LEARN MORE



Inspire SCHOLARSHIP

FOUR-YEAR
FULL
TUITION

Delaware State University offers a 4-year, full tuition scholarship to qualifying Delaware high school graduates who enroll at DSU in the fall semester directly after high school graduation. Students need at least a 2.75 GPA (80%) and must complete at least ten hours of community service per semester. Students must meet all requirements for admission to the school and file a FAFSA each year.

SCAN ME TO
LEARN MORE





GET A JUMP ON COLLEGE

The Dual Enrollment Program at Goldey-Beacom College gives high school students a taste of postsecondary education at an affordable price. Only pay \$100 per course.



Scan the QR code, and select undergraduate non-degree application.



3 DAY WEEKENDS EVERY WEEKEND

5 RESIDENCE HALLS ON CAMPUS



FREE APPLICATION

17:1 STUDENT-TO-FACULTY RATIO



NCAA DIVISION II ATHLETICS

SCHOLARSHIPS AND GRANTS AVAILABLE



Questions? Contact Admissions today!



4701 Limestone Road
Wilmington, DE 19808



302-225-6248



admissions@gbc.edu

School of Agriculture



& Natural Resources



Animal Science & Veterinary Technology Pathway

The Animal Science and Veterinary Technology Pathway provides a comprehensive curriculum that combines an extensive understanding of leadership in animal science and agriscience with practical skills in animal care and veterinary medicine. This program is designed for students passionate about working with animals and eager to address local, regional, and global environmental and agricultural challenges.

It emphasizes sustainable practices in animal agriculture and companion animal care, fostering critical thinking, problem-solving, and collaborative skills. The pathway prepares students for diverse careers in the evolving fields of animal science, veterinary technology, and research, promoting ethical practices and a deep appreciation for current and future industry developments.



Perfect Pathways for
“I like to work with my hands”



Average Salaries

- Agriculture Producer: \$48k - \$88k
- Livestock Producers: \$56k - \$100k
- Veterinarian: \$165k - \$200k
- Environmental Engineer \$63k - \$100k
- Game Warden: \$48k - \$70k
- Botanist: \$51k - \$83k
- Athletic Turf Manager: \$47k - \$100k



Overview

Choosing the School of Agriculture and Natural Resources means embracing a path focused on environmental stewardship, practical skills, and diverse career prospects. This educational journey equips you to address vital environmental and agricultural challenges while opening doors to a fulfilling career contributing to the well-being of our planet.

Want to
Learn More?
SCAN ME!



Environmental & Natural Resource Science Pathway

The Environmental & Natural Resource Science Pathway is an immersive Pathway that integrates various aspects of agriscience, environmental science, and leadership. The program progressively builds on foundational knowledge in agriculture and natural ecosystems, emphasizing hands-on learning and outdoor studies. It delves into critical environmental issues such as pollution control, sustainable practices, and the stewardship of natural resources. With a focus on developing ethical leadership skills, the pathway prepares students to navigate and address the complex challenges faced in agricultural and environmental sectors, equipping them with a holistic understanding and practical expertise necessary for success in these fields.



Applied Plant Science Pathway

The Applied Plant Systems Pathway offers an immersive, hands-on learning experience designed to equip students with the knowledge and skills essential for tackling real-world challenges in plant-related industries. This multifaceted pathway integrates principles from biology, agronomy, genetics, horticulture, landscaping, greenhouse management, technology, and environmental science, ensuring a comprehensive understanding of plant systems and their diverse applications. Through this program, students not only gain theoretical knowledge but also practical skills that are highly valued in various career fields. Graduates are well-prepared for careers in agricultural management, horticultural therapy, landscape design, greenhouse operations, agricultural research, and environmental consultancy, among others. This pathway is ideal for students aiming to make a significant impact in the evolving world of plant sciences and sustainable agriculture.

Animal Science & Veterinary Technology Pathway

Potential Careers

- Agribusiness
- Agriscience Education
- Animal Researcher
- Animal Processor
- Production Manager
- Animal Breeder
- Agriculture Producer
- Wildlife Manager
- Zoo Animal Specialist
- Veterinary Assistant/Technician
- Animal Rescue/Animal Control Officer
- Artificial Insemination Technician
- Animal Genetics
- Animal Nutrition
- Animal Reproduction
- Extension Educator
- Marine Biology
- Wildlife Biology
- Veterinary Medicine
- Zoology



Pathway Highlights

- Four courses in Animal Science Pathway
- DE State Fair Activities
- SAE Completion
- Immersion Experience in Senior year

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 4 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 3.5 Credits

Pathway Credits

- This Pathway is a minimum of **28 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:

» Pesticide Applicator

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

University of Delaware

ANFS 166: Independent Study, Animal and Food

Delaware State University

AGRI 206: Introduction to Animal Science



1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Animal Science & Veterinary Technology Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Applied AgriScience
- Animal Care and Management
- Application of Veterinary Science
- AgriScience Leadership[†]

Electives

Students must earn at least 3.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!



† = Capstone

Environmental & Natural Resource Science Pathway



Potential Careers

- Arborist
- Environmental Engineer
- Game Warden
- Resource Ecologist
- Wetland Hydrologist
- Wildlife Biologist

Pathway Highlights

- Four courses in Natural Resource Management Pathway
- DE State Fair Activities
- SAE Completion



Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 4 Credits
- Social Studies:** 3 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 3.5 Credits

Pathway Credits

- This Pathway is a minimum of **28 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:
 - » Pesticide Applicator

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

- SCI 223: Applied Ecology
- ENV 190: Introduction to Environmental Science & Technology

Delaware State University

- NTRS 103: Introduction to Environmental Science



1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Environmental & Natural Resource Science Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II

- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
 - Gothic Literature Protest Literature
 - Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

- Applied AgriScience
- Natural Resource & Ecology Management
- Environmental Sustainability & Ethical Leadership
- AgriScience Leadership[†]

Electives

Students must earn at least 3.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!



Applied Plant Systems Pathway

Potential Careers

- Botanist
- Plant Pathologist
- Athletic Turf Manager
- Horticultural Sales Representative
- Greenhouse Production Manager
- Floral Designer
- Landscape Architect
- Crop Advisor

Pathway Highlights

- Four courses in Plant Science Pathway
- DE State Fair Activities
- SAE Completion

Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 4 Credits
- Social Studies:** 3 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 3.5 Credits



Pathway Credits

- This Pathway is a minimum of **28 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:

» Pesticide Applicator

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

ADS 105: Principles of Plant Growth

Delaware State University

AGRI 219: General Horticulture

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Applied Plant System Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II

- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
 - Gothic Literature Protest Literature
 - Themes in Literature



Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?
You've got this!



9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Applied AgriScience
- Principles of Plant Growth
- Advanced Plant Science
- AgriScience Leadership[†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 3.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

[†] = Capstone



School of Business

& Economics



Perfect Pathways for
"I like to work with people"
and
"I like to work with Information"

Business and Leadership Pathway Junior Achievement® Entrepreneurship

The Junior Achievement® Entrepreneurship, Business and Leadership program of study is structured to pair thematic learning experiences inside the classroom with real-life projects and applications at local business partner locations and job sites, ultimately preparing young people for the career opportunities that lay ahead of them. Students will learn the basics of starting a business, developing entrepreneurial abilities, identifying business opportunities, learning personal finance skills, practicing business communication/writing, creating a business plan, marketing techniques, network building, economics, banking for individuals and businesses and the stages of business growth. Throughout each level and woven into the curriculum experience, volunteer business partners will visit/beam-in virtually to support the educational experience by helping students showcase entrepreneurial, workplace and finance competencies and skills. Business partners will engage with students via: inspirational events, in-person/virtual simulations, classroom-based experiences, mentoring, job shadows, internships, part-time jobs and much more!

Overview

Joining the School of Business and Economics offers a valuable foundation in economics, finance, marketing and management, which are essential skills for a successful career in the business world. This educational path equips you with the knowledge and acumen to thrive in a variety of industries and make informed decisions in the dynamic world of commerce.

Want to
Learn More?
SCAN ME!



Global Leadership and Human Studies Pathway

The Global Leadership and Human Studies Pathway is designed to prepare students for leadership roles in private and public sectors both domestically and internationally. Students will gain a strong understanding of the complex interdependent global systems in which our economy and society exist while also studying the behaviors of individuals in those systems. Graduates will be equipped to succeed in a wide variety of college majors and careers. Furthermore, the course alignment in this Pathway allows students an opportunity to earn either the AP Capstone Diploma or the AP Seminar and Research Certificate. AP Capstone Awards are included on AP score reports sent to colleges.



Average Salaries

HR Manager: \$80k - \$136k
Certified Public Accountant: \$72k - \$87k
Mortgage Broker: \$75k - \$108k
Psychologist: \$71k - \$150k
Insurance Agent: \$65k - \$100k
Urban Planner: \$54k - \$100k

Junior Achievement® Entrepreneurship, Business & Leadership Pathway



Potential Careers

- Budget Analyst
- Business Consultant
- Financial Analyst
- HR Manager
- Insurance Agent
- Certified Public Accountant
- Loan Officer
- Mortgage Broker
- Operations Manager
- Personal Finance Advisor
- Retail/Sales Manager

Pathway Highlights

- Sport Management Concentration
- Internship (school approved)
- School-based job: School Store or School Bank (in-school)

Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 3 Credits
- Social Studies:** 4 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 4.5 Credits



Pathway Credits

- This Pathway is a minimum of **29 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:
 - » JA Financial Literacy
 - » JA Entrepreneurship
 - » JA Work & Career Readiness



1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Junior Achievement® Entrepreneurship,
Business & Leadership Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II

- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
 - Gothic Literature Protest Literature
 - Themes in Literature

Science

Choose two, Biology **MUST** be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry II
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Choose one:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Foundation of Finance
- Essentials of Business and Technology
- Applications of Entrepreneurship
- Entrepreneurship, Business & Leadership Capstone[†]

Electives

Students must earn at least 4.5 additional elective credits.

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

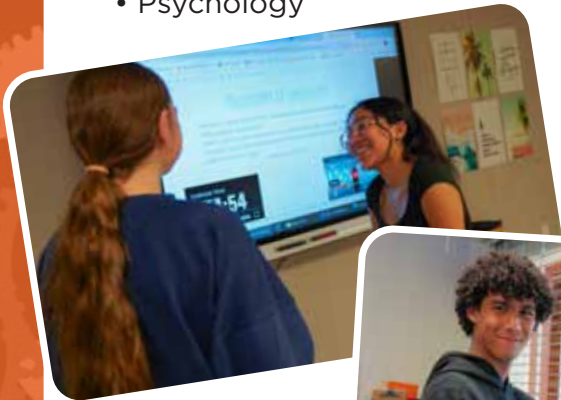


Global Leadership & Human Studies Pathway



Potential Careers

- Banking
- Actuary
- Transportation
- Finance
- Urban Planning
- Psychology
- Education
- International Development
- Non-Profit Sector
- Federal Government
- Economist



Pathway Highlights

- Advanced Standing Coursework
- Internship (school approved)
- Leadership Skills

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 3 Credits

Social Studies: 4 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 5 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 4.5 Credits

Pathway Credits

- This Pathway is a minimum of **30 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.



College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Wilmington University

SOC 101: Sociology

AP Credits

Students are encouraged to take the AP Exam and apply the AP credit at participating Institutions. See *page 7* for examples.

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Global Leadership & Human Studies Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II

- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
 - Gothic Literature Protest Literature
 - Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry II
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Choose one:

- African American History
- World History ⁵ AP World History ⁵
- AP European History
- AP African American Studies
- AP Comparative Government & Politics

Pathway

You must take **five** courses:

- AP Psychology AP Seminar

Choose two:

- AP Microeconomics Sociology
- AP Macroeconomics
- AP Research & Literature[†]

Electives

Students must earn at least 4.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

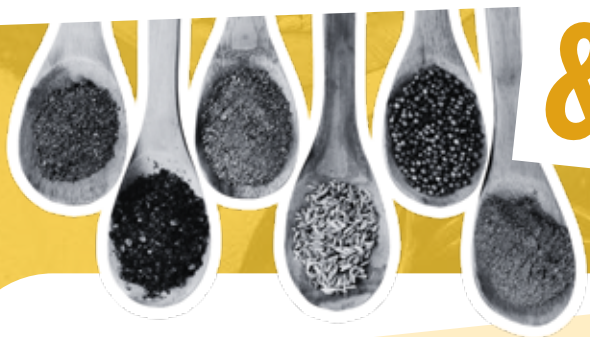
- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!



School of Culinary Arts

& Hospitality



Perfect Pathway for
“I like to work with my hands”
and
“I like to work with people”



Culinary & Hospitality Management Pathway

The Culinary and Hospitality Management Pathway is supported by the National Restaurant Association Education Foundation. Students explore management and culinary skills needed for success in the restaurant/hospitality industry. ProStart trains students on industry-specific skills that can be used in all aspects of the restaurant and hospitality industry along with employability skills like leadership, accountability, teamwork and responsibility. The program prepares students for careers such as Executive Chef and Sous Chef, Food Service Manager, Kitchen Manager and Line Cook. This Pathway consists of four (4) courses: Fundamentals of Culinary Arts and Hospitality, Advanced Food Production and Hospitality Management, and the Culinary and Hospitality Profession and an internship/work-based experience.

Overview

The School of Culinary Arts and Hospitality provides a unique blend of creativity, culinary expertise and practical training that prepares you for a dynamic career in culinary arts, restaurant management and event planning. This educational path equips you with the skills and global perspective needed to create memorable dining experiences and unlock diverse opportunities in the vibrant hospitality industry.

Want to Learn More?
SCAN ME!



Average Salaries

Dietitian: \$60k - \$88k

Event Manager: \$42k - \$99k

Executive Chef: \$71k - \$118k

Food Service Manager: \$42k - \$100k

Research & Development Chef: \$76k - \$119k

Sous Chef: \$41k - \$73k

Nutritionist: \$44k - \$98k



Culinary & Hospitality Management Pathway

Potential Careers

- Dietitian
- Event Manager
- Executive Chef
- Food Service Manager
- Research & Development Chef
- Sous Chef
- Kitchen Manager
- Line Cook
- Nutritionist

Pathway Highlights

- Fundamentals of Culinary Arts & Hospitality Management
- Advanced Food Production Hospitality Management
- The Culinary & Hospitality Profession
- Culinary Arts Practicum

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 4 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 3.5 Credits



Pathway Credits

- This Pathway is a minimum of **28 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:
 - » National Restaurant Association Certificate of Achievement
 - » ServSafe Manager Certification

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

HRI 101: Introduction to Hospitality

FSY 110 / CUL 119: Food Safety & Sanitation

Delaware State University

HTM 100: Introduction to Hospitality

HTM 207: Food Safety & Sanitation

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.



The Course Café

Order up your Success

Culinary & Hospitality Management Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II

- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature



Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry II
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Fundamentals of Culinary Arts & Hospitality Management
- Advanced Food Production & Hospitality Management
- The Culinary & Hospitality Profession
- Culinary Arts Capstone[†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 3.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone



School of Education

& Leadership



Education and Leadership Pathway

The Education and Leadership program of study engages students in developing a realistic understanding of education while exploring the importance and impact of teachers. Students will acquire the knowledge and skills needed to sustain their interest in education and cultivate the skills needed to be successful educators, thus creating a pipeline of high-quality students transitioning into education. Students will understand the rigors of a career in education and participate in classroom and field experiences relevant to pursuing a degree in education. The program prepares students for a variety of careers in education such as elementary teacher, secondary teacher, specialist, counselor, administrator, paraprofessional and special education teacher.



Overview

Joining the School of Education and Leadership offers the chance to develop essential teaching and leadership skills, making a positive impact on future generations. This educational path equips you to become an effective educator and influential leader with the opportunity to shape the minds and character of tomorrow's leaders and citizens.

Want to
Learn More?
SCAN ME!



Perfect Pathway for
"I like to work with people"

Average Salaries

Elementary Teacher: \$50k - \$100k

Secondary Teacher: \$50k - \$100k

Paraprofessional: \$37k - \$50k

Special Education Teacher \$50k - \$100k

Educational Diagnostician: \$65k - \$86k

Athletic Director: \$85k - \$100k

Curriculum Director: \$130k - \$150k

Superintendent: \$150k - \$190k



Education & Leadership Pathway

Potential Careers

- Elementary Teacher
- Secondary Teacher
- Paraprofessional
- Special Education Teacher
- Educational Diagnostician
- Superintendent
- Principal
- Athletic Director
- Curriculum Director

Pathway Highlights

- 19 Credits for PRAXIS Exam
- 15 Pathway Credits
- Early Childhood & K-12 Teacher
- Careers in field of Education

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 4 Credits

Social Studies: 4 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 4.5 Credits



Pathway Credits

- This Pathway is a minimum of **30 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:
 - » ParaPro
 - » PRAXIS

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware State University &

Delaware Technical Community College

Check www.AppoCCR.com for updates

Wilmington University

ECE 214: Creating Environments for Learning

RDG 203: Learner Development & Early Literacy

RDG 302: Literature for Children

PSY 101: Introduction to Psychology

EDU 204: Leadership and Collaboration

**Up to 19 additional credits for successful completion of the PRAXIS exam*

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Education & Leadership Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

9th Grade

Why not try your hand at AP?
You've got this!

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Creating Environments for Learning
- AP Psychology
- Principles of Curriculum and Literature
- Leadership and Collaboration [†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 4.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

[†] = Capstone



School of

Health Sciences



Healthcare Science Pathway

The Healthcare Science Pathway is a four (4) course instructional program of study that engages students in open-ended problem solving where they study topics such as medical terminology and human anatomy and physiology. Through exploration of the National Health Science Standards, students will acquire important skills necessary for healthcare professionals such as medical mathematics, communication, safety practices, legal responsibilities and teamwork. In addition, students will develop technical skills such as performing a wound culture, measuring vital signs, collecting a throat culture and performing a strep test. The program prepares students for a variety of careers in healthcare such as respiratory therapist, nurse, physical therapist, dental hygienist, and medical lab technician.



Overview

Joining the School of Health Sciences opens the door to a rewarding career in the healthcare field, where you can make a tangible impact on people's well-being. This path provides essential knowledge, practical skills, and a strong foundation for pursuing diverse careers in medicine, nursing, public health and other health-related professions.

Want to Learn More?
SCAN ME!



Perfect Pathway for
“I like to work with people”

Average Salaries

Respiratory Therapist: \$65k - \$92k

Registered Nurse: \$64k - \$130k

Dentist: \$160k - \$178k

Doctor: \$115k - \$150k

Medical Lab Technician: \$58k - \$140k

Occupational Therapist: \$86k - \$130k

Radiologist: \$160k - \$360k

Surgical Technologist: \$97k - \$138k



Healthcare Sciences Pathway



Potential Careers

- Respiratory Therapist
- Registered Nurse
- Dentist
- Doctor
- Medical Lab Technician
- Occupational Therapist
- Radiologist
- Surgical Technologist



Pathway Highlights

- Fundamentals of Health Science
- Essentials of Health Careers
- Anatomy and Physiology⁴
- Early Career Experience

Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 4 Credits
- Social Studies:** 4 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 4.5 Credits

Pathway Credits

- This Pathway is a minimum of **30 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:
 - » CPR Certification

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

- BIO 100: Medical Terminology
- BIO 110: Essentials of Anatomy & Physiology
- BIO 120: Anatomy and Physiology I



1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose Additional Courses:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Introduction to Health Careers
- Fundamentals of Health Science
- Essentials of Health Careers

Choose one:

- Anatomy & Physiology I and/or II
- Anatomy and Physiology ⁴ (DTCC BIO120)

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 4.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)



† = Capstone



School of Language, Literature, & Advanced Coursework



Advanced Placement Pathway

The Advanced Placement program of study is an instructional program that engages students in advanced rigorous study in each of the core content areas as well as providing opportunities for students to enroll in elective AP courses. In this Pathway, students can explore a variety of areas of advanced study that fit their interests, ranging from AP Psychology to AP Music Theory, or Art Studio to AP French. In 12th grade, students will learn critical independent research and evaluation skills and apply them to a self-selected topic, working collaboratively throughout the course to refine their thinking about the topic. This Pathway prepares students for coursework and success in higher education. Students in this Pathway are required to take AP level courses for each course throughout the Pathway.

Perfect Pathway for
“I like to work with people”
“I like to work with my hands”
and
“I like to work with Information”



Average Salaries

Media & Communication: \$52k - \$98k
Technical Writer: \$48k - \$129k
Museum Curator: \$76k - \$100k
Public Relations: \$56k - \$120k
Airline Services: \$44k - \$71k
Interpreting and Translation: \$57k - \$97k
Diplomat: \$74k - \$109k
International Business Affairs: \$47k - \$83k

Overview

Joining the School of Language, Literature, and Advanced Placement offers a rich academic experience that fosters strong communication skills, critical thinking, and a deep appreciation for literature and culture. This educational path not only prepares you for advanced placement opportunities but also equips you with valuable skills for a variety of career paths including teaching, writing and international relations.

Want to
Learn More?
SCAN ME!



Humanities Pathway

The Humanities Pathway allows students to focus deeply on a range of courses directly related to English and Social Studies. The study of humanities provides students with historical perspective and cultural awareness which gives them the ability to critically evaluate, analyze and interpret ideas and actions. The aim is for students to develop knowledge, skills and values that will enable them to participate as ethical, active, and informed citizens in a democratic society within both the local and global community. Humanities students make connections amongst all disciplines and reflect critically on those connections. Successful completion of this Pathway requires that students engage in either AP courses or College level experiences in each targeted area.

Perfect Pathways for
"I like to work with people"



World Language & International Studies Pathway

The World Language and International Studies Pathway develops cultural competence and proficiency in one of our language course offerings. Students will gain greater appreciation of their first language and will learn to apply the target language skills of reading, writing, listening, and speaking through coursework and experiences. This Pathway culminates in a Capstone experience requiring students to demonstrate use of the target language in a variety of settings. Students will be eligible to earn the state's Certificate of Multi-literacy (Gold and Diamond levels), which was established to honor and recognize Delaware high school students who have attained high levels of proficiency in one or more world languages in addition to English.

Advanced Placement Pathway

Pathway Highlights

- AP Seminar
- AP Research
- AP Biology
- AP Microeconomics
- AP US History
- AP World History
- AP Language and Composition or AP Literature and Composition
- AP Statistics, AP Calculus AB or AP Calculus BC
- Students complete a minimum of **7 AP courses**



Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 4 Credits

Social Studies: 4 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 7.5 Credits

Pathway Credits

- This Pathway is a minimum of **33 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in the AP Pathway are encouraged to concentrate in a subject or take as many AP courses as possible to prepare for college.

College Credit

Students can earn college credit through successful completion of an AP Course when also achieving a qualifying AP exam score.

See page 3 for details

All AP Courses are listed on page 10



1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Advanced Placement Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

12th Grade

- AP Literature and Composition
- AP Research & Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose Two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Choose one:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

- AP Seminar

Choose three courses from page 8:

- _____
- _____
- _____

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 7.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

Humanities Pathway

Potential Careers

- Artist
- Educator
- Foreign Correspondent
- Museum Curator
- ELA Coordinator
- Public Relations
- Legal Services
- Media & Communication
- Technical Writer
- Corporate Communications



Pathway Highlights

- Additional ELA Course
- Additional Social Studies Course
- Courses from Visual/Performing Arts



Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 3 Credits

Social Studies: 4 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 4.5 Credits



Pathway Credits

- This Pathway is a minimum of **29 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry II
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Choose one:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Choose any combination of **four** additional ELA, Social Studies or Visual/Performing Art courses:

- _____
- _____
- _____
- _____

Electives

Students must earn at least 4.5 additional elective credits.

- _____
- _____
- _____
- _____

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!



World Language & International Studies Pathway



Potential Careers

- Teacher/Associate Professor/Professor
- Public Service
- Interpreting and Translation
- Homeland Security
- Diplomat
- Airline Services
- Hotel/Restaurant Management
- Event Planning
- International Business Affairs
- Foreign Civil Service

Pathway Highlights

- Sport Management Concentration
- Internship (school approved)
- School-based job: School Store or School Bank (in-school)

Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 3 Credits
- Social Studies:** 4 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 5.5 Credits



Pathway Credits

- This Pathway is a minimum of **30 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware State University

SPAN 222: Spanish Conversation



Certificate of Multiliteracy

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

World Language & International Studies Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Choose one:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Choose **four** additional World Language Courses:

- _____
- _____
- _____
- _____

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 5.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

School of

Civic Leadership



Criminal Justice and Legal Issues Pathway

The Criminal Justice and Legal Issues Pathway is a four (4) course program of study structured around a core of criminal justice courses on such topics as law enforcement, the judicial process, corrections and the criminal law. Since any criminal justice system does not exist in isolation but naturally reflects the structure, ideas, and concerns of the society in which it operates, the Criminal Justice Program draws from a wide variety of academic disciplines – political science, psychology, history, and sociology.

Perfect Pathway for
“I like to work with people”

Average Salaries

- Lawyer: \$57k - \$160k
- Senator: \$68k - \$174k
- Police Officer: \$32k - \$60k
- Lobbyist: \$50k - \$123k
- Public Policy: \$73k - \$120k
- Human Resources: \$40k - \$130k



Overview

Joining the School of Military and Civic Leadership as a high school student provides a unique path to cultivate leadership, discipline, and a strong sense of civic duty. This educational journey prepares you for roles in the military, government, or public service, offering opportunities to serve your country and community while honing essential leadership skills.



Want to
Learn More?
SCAN ME!

Life-Centered Career Education Pathway

This Pathway is for students earning a Diploma of Alternative Achievement Standards with a focus on career readiness and postsecondary outcomes. A Diploma of Alternative Achievement Standards is awarded to those students with Individualized Education Plans who are taught a non-accredited, modified curriculum and take the Alternate State Assessment.

The goal of the Life-Centered Career Education Pathway is to prepare students for independent living, competitive employment, or other postsecondary school programs while also focusing on math and English at a functional level. Academic courses will use the high school level Dynamic Learning Maps (DLM) of the Delaware Content Standards.



Criminal Justice & Legal Issues Pathway



Potential Careers

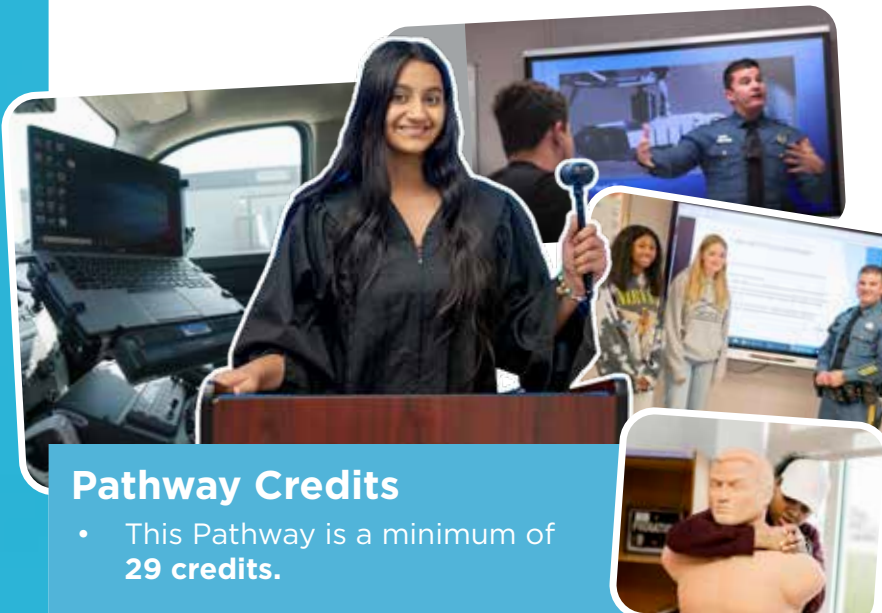
- Lawyer
- Politician
- Police Officer
- Lobbyist
- Public Policy
- Human Resources

Pathway Highlights

- Criminal Justice
- AP Government and Politics
- American Politics
- African American History
- Sociology

Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 4 Credits
- Social Studies:** 4 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 3.5 Credits



Pathway Credits

- This Pathway is a minimum of **29 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:
 - » JA Community Emergency Response Team (CERT)
 - » CERT and the Incident Command System (ICS)
 - » Introduction to Community Emergency Response Team

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Wilmington University

- CRJ 101: Survey of Criminal Justice
- CRJ 205: Principles of Criminology
- CRJ 350: Technology Applications in Criminal Justice

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Criminal Justice & Legal Issues Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose Two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Choose one:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Introduction to Criminal Justice
- Principles of Criminology

Choose one:

- AP Psychology ^{ASD} Sociology
- AP Government & Politics
- Technology Applications in Criminal Justice[†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 3.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

ASD = Appoquinimink School District Recommended † = Capstone



Life-Centered Career Education Pathway

Focus on Pathway

- Career readiness through pre-employment training
- Development of Independent Living Skills

Pathway Highlights

- Hands-on vocational studies
- Work-based learning placements
- Community-based Instruction



Pathway Completion

- Students earn a Diploma of Alternative Achievement Standards.

Pathway Partnerships

- Students in this Pathway may have access to the services provided by the Division of Vocational Rehabilitation and the Division of Developmental Disabilities Services, as applicable.
- Students in this Pathway may be eligible for the ASD 18-22 LIFE Program, or the Career and Life Studies Certificate Program at the University of Delaware.



The Course Café

Order up your Success

Life-Centered Career
Education Pathway

Math

- ___ DLM Math I
- ___ DLM Math II

English

- ___ English DLM I
- ___ English DLM II

Science

- ___ Science DLM I

Vocational Studies

- ___ Vocational Studies I
- ___ Vocational Studies II
- ___ Vocational Studies III
- ___ Vocational Studies IV

Independent Living Studies

- ___ Independent Living Studies I
- ___ Independent Living Studies II
- ___ Independent Living Studies III
- ___ Independent Living Studies IV

Transition Elective Choice:

- _____
- _____
- _____
- _____

Work-based Learning

Starts in 11th Grade

1 2



School of Visual, Performing & Design Arts



Digital Communications Technology Pathway

The Digital Communication Technology (DCT) program of study is a four (4) course instructional program of study that engages students to apply the skills and tools of digital designers through coursework that focuses on the creative and technical skills as used in graphic design, pixel-based imagery manipulation, basics of HTML coding, digital video production, vector image manipulation, digital illustration and digital publishing.

Students utilize strategies to solve open-ended problems while they learn how to apply technical skills, creative skills, industry knowledge, documentation techniques, and processes using modern, industry-leading technology and software. Client based learning experiences and industry mentored projects will introduce students to a wide array of related careers in public relations, marketing, web and digital communications and printing.



*Perfect Pathways for
"I like to work with my hands"*

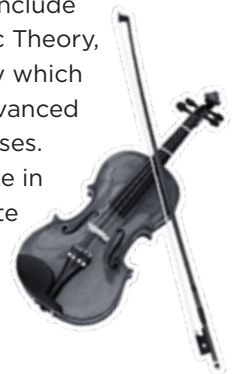
The Music Pathway

The Music Pathway is a comprehensive course of study which prepares students with the skills necessary to be successful when advancing to study music at the collegiate level. Throughout their course of study, students will learn advanced skills specific to their instrument or voice by participating in our award-winning performance ensembles which include: Concert Band, Marching Band, Philharmonic Orchestra, Advanced Choir, Concert Choir, Treble Choir, and Percussion Ensemble. Students in these ensembles will have opportunities to apply the skills honed in these courses by participating in various extensions of the traditional classroom. This includes

working with university professors, clinicians and professionals in the field of music, as well as competing in festivals and competitions at the state and national level. Along with their ensemble classes, music Pathway students will participate in other music courses to enhance their level of musicianship. These courses include

Piano, Guitar, Music Appreciation, Music Theory, Musical Theatre and Music Technology which range from Introductory Level to Advanced Placement to Dual Enrollment courses.

Additionally, students may participate in extracurricular activities such as all-state music ensembles, Indoor Percussion, Color Guard, and musical theatre productions.



Overview

Joining the School of Visual, Performing, and Design Arts as a high school student offers an inspiring path to explore your artistic passions while fostering essential life skills. This journey opens doors to diverse career opportunities in the vibrant realm of performing and design arts.



Want to Learn More?
SCAN ME!



Theatre Arts Pathway

The Theatre Arts Pathway provides the opportunity to grow from a basic understanding of theatrical performance and production to the creation of theatrical works through analysis, synthesis, and observation. Students in acting classes will participate in dramatic activities and exercises aimed at teaching young actors how the body and voice play a role in the creation of a character. Through this study, students delve into script analysis as a means to understand and convey the playwright's intentions. Students will study and perform scenes and monologues from classic and contemporary plays. Technical Theatre students will focus on theatrical design and construction.

Time requirements beyond the daily class period in the form of additional performance, workshop or technical lab time may be required and varies by class and level. For example, all students may be required to participate in a public performance for each theatre course in which they enroll.

Students in Theatre courses should speak with the instructor for further details about dates, times, and course requirements.

Students wishing to further their theatrical experience have the opportunity to audition for an extracurricular fall play or spring musical production, or participate as a member of the Stage Crew. ***Extracurricular productions are open to all students, and participation in a Theatre Course does not ensure that students will be cast in the extracurricular production.***

Visual Arts Pathway

The Visual Arts Pathway is designed to help students focus on the necessary skills needed to create art for aesthetic and commercial purposes.

This program not only exposes students to the development of beautiful artwork, it also fosters a lifelong appreciation for visual artistry.

Advanced students curate their own art show including not only creating works of art, but also taking leadership roles to plan the logistics of the show, raise funds and engage the larger community in appreciating student-created work.



Average Salaries

- Web Designer: \$53k - \$80k
- Content Development & Marketing: \$60k - \$87k
- Audio Engineer: \$50k - \$113k
- Composer: \$48k - \$89k
- Costume Designer: \$61k - \$93k
- Stage Director: \$69k - \$87k
- Animator: \$74k - \$99k
- Illustrator: \$59k - \$94k

Digital Communications Technology Pathway

Potential Careers

- User Experience Designer
- Visual Designer
- Digital Strategist
- Content Development & Marketing
- Interactive Design & Production
- Marcom Manager
- Web Designer
- Public Relations



Pathway Highlights

- Sport Management Concentration
- Digital Communication Practicum Experience

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 3 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 5.5 Credits

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

VSC 115: Introduction to Design

Wilmington University

CTA 210: Introduction to Technology

DSN 105: Visual Communications

DSN 210: Basic Photoshop

DSN 220: Concept Design

VFP 100: Camera & Cinematography **or**

GMD 105: Video & Audio for Game Design

VFP 203 Introduction to Non-Linear Editing **or**

GMD 202: Soundtracks for Film, Video or Games

Pathway Credits

- This Pathway is a minimum of **29 credits.**

Pathway Concentration

1. Sport Management
2. Sport and Media Relations

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Digital Communications Technology Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature



Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry II
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Foundations of Digital Design
- Processes of Digital Design Production
- Applications of Digital Design
- Digital Communication Capstone[†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 5.5 additional elective credits.

One of the courses must be a science or social studies credit.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

[†] = Capstone

Music Pathway

Potential Careers

- Accompanist
- Audio Engineer
- Broadcast Engineer
- Chamber Musician
- Composer
- Music Teacher
- Instrumentalist
- Conductor
- Vocalist

Pathway Highlights

- Orchestra
- Concert Band
- Choir

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 3 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 5.5 Credits



Pathway Credits

- This Pathway is a minimum of **29 credits**.
- Students are required to participate in a performance group.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

The Music Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry II
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Each path can be taken yearly.

- Band Marching Band
- Choir Orchestra

ASD Recommended:

- AP Music Theory [†]
- Music Appreciation[†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 5.5 additional elective credits.

One of the courses must be a science or social studies credit.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

[†] = Capstone

Theatre Arts Pathway

Potential Careers

- Costume Designer
- Actor
- Property Designer
- Sound Designer
- Stage Director
- Stylist
- Theatre Manager
- Visual Effects Specialist
- Playwright
- Set Designer
- Theatre Teacher

Pathway Highlights

Students choose **one** area of focus:

- Fundamentals of Acting
- Stagecraft
- Musical Theatre Performance/Theatre Dance

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 3 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 5.5 Credits



Pathway Credits

- This Pathway is a minimum of **29 credits**.
- Students in this Pathway must participate in at least two performances within the school.

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Theatre Arts
Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry II
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Choose Four:

- Acting Fundam. I Stagecraft I
- Acting Fundam. II Stagecraft II
- Acting Fundam. III Stagecraft III
- Acting Fundam. IV Stagecraft IV
- Musical Theatre Performance/Dance

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 5.5 additional elective credits.

One of the courses must be a science or social studies credit.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

Visual Arts Pathway

Potential Careers

- Exhibition Designer
- Industrial Designer
- Landscape Architect
- Product Designer
- Art Preservationist
- Animator
- Art Teacher
- Illustrator
- Curator
- Artist
- Sculptor



Pathway Highlights

- Foundations of Art
- Drawing and Painting
- Ceramics and Sculpture

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 3 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 5.5 Credits

Pathway Credits

- This Pathway is a minimum of **29 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Visual Arts Pathway



Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
 - Gothic Literature Protest Literature
 - Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Foundations of Art

Choose Three:

- Ceramics & Sculpture I - II
- Drawing & Painting I - II
- AP Art & Design
- AP Art History

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 5.5 additional elective credits.

One of the courses must be a science or social studies credit.

- Driver's Education

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† = Capstone

School of Science, Technology, Engineering & Math



Aerospace Pathway

The Aerospace Pathway provides students with the AOPA You Can Fly High School Aviation STEM Curriculum, providing students with a comprehensive introduction to aviation. Split into two tracks—Pilot and Unmanned Aircraft Systems (drones)—the curriculum guides students from the basics of aerodynamics and flight operations to advanced concepts in aviation science and UAS technology. Students engage in hands-on learning through flight simulators, project-based capstones, and industry partnerships, preparing for careers such as pilots, aerospace engineers, aircraft maintainers and drone operators. With a focus on experiential learning, the pathway aligns with postsecondary opportunities and equips students with the knowledge for FAA certification, setting them up for success in both higher education and the aviation industry.



Perfect Pathways for
"I like to work with information"



Computer Science Pathway (PLTW)

The Project Lead the Way (PLTW) Computer Science program of study is an instructional program that engages students in open-ended problem solving where students study computational practices such as algorithm development, problem solving and programming within the context of problems relevant to their everyday lives. They are also introduced to topics such as interface design, limitations of computers, and societal and ethical issues. The program prepares students for further education and careers in information technology and computer science.

Overview

Joining the School of Science, Technology, Engineering, and Math (S.T.E.M.) as a high school student equips you with the knowledge and skills needed for the jobs of the future. This path offers opportunities to solve complex problems, drive innovation, and make a significant impact in a rapidly evolving technological world.

Want to Learn More?
SCAN ME!



Engineering Pathway (PLTW)

The Project Lead the Way (PLTW) Engineering program of study is a four (4) course, instructional program that engages students in open-ended problem solving where students learn and apply the engineering design process and use modern, industry-leading technology and software. The program prepares students for further education and careers in robotics, biotechnology, gene editing and engineering technology.



Average Salaries

Drone Operator: \$79k - \$85k

Aerospace Technician: \$55k - \$99k

Software Engineer: \$66k - \$170k

Data Modeler: \$70k - \$170k

Industrial Materials Scientist: \$64k - \$120k

Robotics Engineer: \$71k - \$160k

Meteorologist: \$64k - \$160k

Pharmacist: \$89k - \$130k



Science Pathway

This academic Pathway is designed to provide coursework that will prepare any student to pursue a career within the areas of life, physical or Earth sciences. The courses found in the Science Pathway will allow each student to develop the critical thinking and laboratory skills necessary to be successful in science and in life. Students in this Pathway will learn how to ask questions, develop and use models, plan and conduct investigations, analyze data to construct explanations, argue with evidence, and communicate both verbally and in writing just like scientists do in their fields. Students choosing this Pathway need to have a strong desire to learn through hands-on, inquiry-based lab activities and projects that will challenge them to apply their knowledge and skills, and not just recall facts.

Aerospace Pathway



Potential Careers

- Aerospace Technician or Mechanic
- Aerospace Engineering Technician
- Aerospace Manufacturing
- Air Traffic Controller
- Air Traffic Control Support
- Airport Management
- Captain
- Drone Developer
- Drone Technician/Operator
- Flight Simulator Technician
- Flight/Systems Engineer
- Ground Crew or Support Staff at Airports
- Interior Aircraft Mechanic/Designer
- Pilot
- Research and Development Engineer
- UAS Operator



Pathway Highlights

- Track for manned or unmanned flight
- Nationally recognized AOPA curriculum
- Leads to pilot or drone certification
- Earn Advanced Standing Credit

Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 4 Credits
- Social Studies:** 3 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 5.5 Credits

Pathway Credits

- This Pathway is a minimum of **30 credits.**
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway may earn industry-recognized certification/licenses:
 - » FAA Private Pilot
 - » FAA Part 107 Remote Pilot



- 1** Students are required to take a Math course in their senior year.
- 2** U.S. History **OR** AP U.S. History must be taken in Grade 11.
- 3** The University of Delaware requires two World Language credits in high school of the same language, but recommends four.
- 4** This course is a dual enrollment course.
- 5** World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Aerospace
Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose Two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Introduction to Aerospace
- Basic Aircraft Systems

Choose Path:

- Adv. Aerospace & Flight
- Aerospace Capstone [†]

- Adv. UAS Operations
- UAS Capstone [†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

Electives

Students must earn at least 5.5 additional elective credits.

- Driver's Education

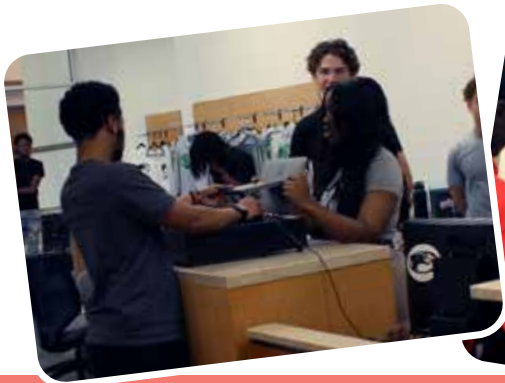
(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

[†] = Capstone

Computer Science Pathway (PLTW)

Potential Careers

- Applications Analyst
- Business Analyst
- Computer Engineer
- Data Modeler
- Information Technology Manager
- Software Applications Architect
- Software Engineer



Pathway Highlights

- Computer Science Essentials
- AP Computer Science Principles (CSP)
- AP Computer Science A (CSA)
- Cybersecurity

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 3 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 6.5 Credits

Pathway Credits

- This Pathway is a minimum of **30 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students are expected to participate in a work-based learning experience during their junior and/or senior year.

1 Students are required to take a Math course in their senior year.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

ITN 101: Introduction to IT

ITN 160: Programming I

Delaware State University

CSCI 110: Computational Thinking I

CSCI 120: Elements of Computer Programming I

University of Delaware

CISC 101: Principles of Computing

Wilmington University

CSC 200: Computer Science Fundamentals

SEC 205 Fundamentals of Cybersecurity **or**

SEC 210: Principles & Practice of Information Security

CSC 305: Computer Architecture

CSC 325: Java Programming I

The Course Café

Order up your Success

Computer Science Pathway (PLTW)

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

*Psst...
Colleges LOVE
these courses!*

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature



Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose one:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

*Pro Tip:
You should try
THESE courses!*

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Computer Science Essentials
- AP Computer Science Principles
- AP Computer Science A
- Cybersecurity[†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

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a University?
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these courses!*

Electives

Students must earn at least 6.5 additional elective credits.

One of the courses must be a science or social studies credit.

- Driver's Education

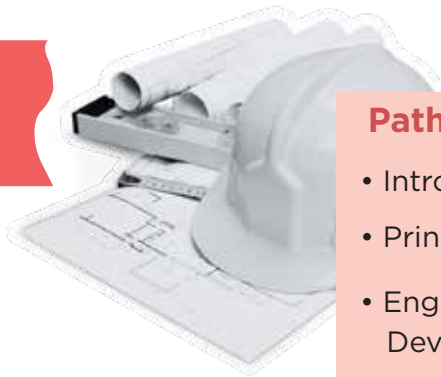
(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

Engineering Pathway (PLTW)

Potential Careers

- Aeronautical Engineer
- Civil Engineer
- Mechanical Engineer
- Building Construction Engineer
- Industrial Materials Scientist
- Robotics Engineer
- Electrical Engineer
- Aerospace Engineer



Pathway Highlights

- Introduction to Engineering
- Principles of Engineering
- Engineering Design and Development
- Digital Electronics
- Dual Enrollment Opportunity

Credits Needed

English: 4 Credits

Math: 4 Credits

Science: 4 Credits

Social Studies: 3 Credits

Health: 0.5 Credit

Physical Education: 1 Credit

World Language: 2 Credits

Pathway Requirement: 4 Credits

Work-Based Learning: 1 Credit

Capstone Project/SSP: 1 Credit

Elective: 5.5 Credits



Pathway Credits

- This Pathway is a minimum of **30 Credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students in this Pathway are required to have an internship/work-based experience, during the senior year.

College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

EDD 171: Introduction to CAD using AutoCAD

University of Maryland Eastern Shore

EDTE 121: Principles of T&E Education



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4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success



Engineering Pathway (PLTW)

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

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Required Sequentially:

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- English II
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Choose One:

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- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I ^{ASD}
- Earth/Space Science I
- Physics

Choose Two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I ^{ASD}
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry ^{ASD}
- AP Environmental Science
- AP Physics I and/or II

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Social Studies

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10th Grade Choose One:

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- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Engineering Essentials
- Introduction to Engineering
- Principles of Engineering
- Engineering Design & Development[†]

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

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They LOVE
these courses!*

Electives

Students must earn at least 5.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

^{ASD} = Appoquinimink School District Recommended [†] = Capstone

Science Pathway



Potential Careers

- Astrophysicist
- Climatologist
- Government Researcher
- Meteorologist
- Physicist
- Research Scientist
- Medical Professional
- Pharmacist

Pathway Highlights

- Anatomy and Physiology
- Biology
- Chemistry
- Physics
- Environmental Science
- Science Research
- Earth and Space Science
- Forensic Science



Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 4 Credits
- Social Studies:** 3 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 5.5 Credits

Pathway Credits

- This Pathway is a minimum of **30 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.



1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
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- Trigonometry ⁴

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Colleges LOVE
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English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

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- AP Language and Composition

Choose One:

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- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature

Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose Two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Choose **three** additional Science credits:

Check out
Pages 99-103
for the courses!

- _____
- _____
- _____
- Scientific Research & Design [†]

Electives

Students must earn at least 5.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!

† = Capstone

School of Skilled & Technical Trades



Construction, Machinery Operator Pathway

The Construction, Machinery Operator program is a four (4) course instructional Pathway designed to provide students with the knowledge and skills necessary to begin a career as a heavy equipment operator. The Delaware Department of Labor has identified this career field as “high demand,” and students may enter the construction industry immediately following high school or after obtaining a college degree. The program includes both virtual and real seat-time operating a skid-steer, backhoe, excavator, bulldozer and forklift. Other topics include OSHA Construction Safety, ATSSA Flagger Certification, hand and power tool use, print reading and grading/earth moving. The training in this unique Pathway will take place at both the high school and Delaware Technical Community College’s Middletown Training Center. Students will earn high school credit, up to nine (9) Delaware Tech advanced standing college credits, OSHA and ATSSA Certifications, and the option for advanced standing in the State of Delaware Registered Apprenticeship Program.

Overview

Joining the School of Skilled and Technical Trades provides a direct path to acquiring practical, hands-on skills in trades like carpentry, plumbing or electrical work. This choice can lead to a fulfilling career with excellent job prospects and a strong foundation in essential trades that are always in demand.



Want to Learn More?
SCAN ME!

Perfect Pathway for
“I like to work with my hands”

Average Salaries

- Heavy Equipment Operator: \$40k - \$63k
- Excavator: \$53k - \$83k
- Skilled Laborer: \$34k - \$53k
- Forklift Operator: \$34k - \$43k
- Construction Manager: \$64k - \$104k
- Transportation, Storage, & Distribution Manager: \$58k - \$150k
- Building Inspector: \$68k - \$94k



Construction, Machinery Operator Pathway

Potential Careers

- Heavy Equipment Operator
- Excavator
- Skilled Laborer
- Forklift Operator
- Heavy Machinery Operator
- Construction Manager
- Transportation, Storage, & Distribution Manager



Pathway Highlights

- Opportunity to Earn 9 College Credits
- Delaware Department of Labor Registered Apprenticeship Program
- Complete First Year of Apprenticeship within this Pathway

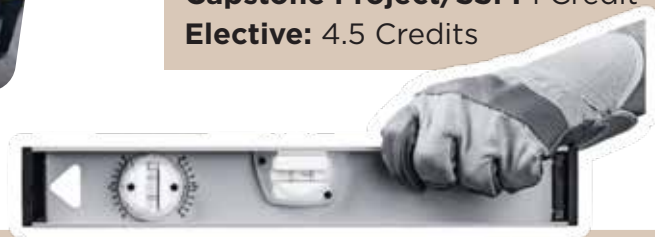
Credits Needed

- English:** 4 Credits
- Math:** 4 Credits
- Science:** 4 Credits
- Social Studies:** 3 Credits
- Health:** 0.5 Credit
- Physical Education:** 1 Credit
- World Language:** 2 Credits
- Pathway Requirement:** 4 Credits
- Work-Based Learning:** 1 Credit
- Capstone Project/SSP:** 1 Credit
- Elective:** 4.5 Credits



Pathway Credits

- This Pathway is a minimum of **29 credits**.
- An expectation for this Pathway is that students sit for the AP exam in any AP course taken.
- Students are expected to participate in a work-based learning experience during their junior and/or senior year.
- Students in this Pathway may earn industry-recognized certification licenses:
 - » NCCER Core
 - » OSHA 30
 - » Forklift Operator
 - » Flagger



College Credit

When you complete this Pathway you may receive the following articulated credits upon enrollment into that institution of higher learning:

Delaware Technical Community College

- CMT 111: Construction Print Reading
- CMT 224: OSHA Construction Industry Training
- CMT 243: Co-op Work Experience **or**
- CMT 246: Internship Work Experience

1 Students are required to take a Math course in their senior year.

2 U.S. History **OR** AP U.S. History must be taken in Grade 11.

3 The University of Delaware requires two World Language credits in high school of the same language, but recommends four.

4 This course is a dual enrollment course.

5 World History may be a requirement for some colleges/universities such as Delaware State University and The University of Delaware. Students may want to take this as a 4th social studies credit or an elective credit.

The Course Café

Order up your Success

Construction, Machinery Operator Pathway

Math

Students are required to take a Math course in their senior year.

Required Sequentially:

- Algebra I Geometry
- Algebra II

Choose Additional Courses:

- Precalculus Calculus
- Statistics & Probability
- Advanced Algebra with Financial Applications
- AP Precalculus AP Statistics
- AP Calculus AB AP Calculus BC
- AP Computer Science A
- Trigonometry ⁴

Psst...
Colleges LOVE
these courses!

English

Students are required to complete 4 ELA credits to graduate.

Required Sequentially:

- English I Pre-AP English I
- English II
- AP Language and Composition

Choose One:

- AP Literature and Composition
- AP Research and Literature
- English IV *Choose from the options below*
- Gothic Literature Protest Literature
- Themes in Literature



Science

Choose two, Biology MUST be one of the choices:

- Biology I Chemistry I
- Earth/Space Science I
- Physics

Choose Two:

- Anatomy & Physiology I and/or II
- Biology II Chemistry I
- Earth/Space Science I and/or II
- Environmental Science
- AP Biology AP Chemistry
- AP Environmental Science
- AP Physics I and/or II

Pro Tip:
You should try
THESE courses!

Social Studies

Why not try your hand at AP?

You've got this!

9th Grade

- AP Human Geography Human Geography & Civics

10th Grade Choose One:

- Economics & Personal Finance
- AP U.S. Gov't & Politics AP Microeconomics

11th Grade Choose One:

- U.S. History ² AP U.S. History ²

12th Grade Optional:

- African American History Sociology
- World History ⁵ AP World History ⁵
- Psychology AP Psychology
- AP European History AP Macroeconomics
- AP African American Studies
- AP Comparative Government & Politics

Pathway

Courses are taken sequentially:

- Foundations of Construction
- Introduction to Machinery Operations
- Advanced Machinery Operator
- Construction Capstone[†]



Electives

Students must earn at least 4.5 additional elective credits.

- Driver's Education

(.5 Credit is earned in Driver's Ed in most cases. It is NOT a graduation requirement.)

† = Capstone

Required Courses

Some courses are taken multiple times.

- Health Physical Education
- World Language World Language II
- Work-Based Learning Practicum
- Capstone SSP

ASD Recommended:

- World Language III ³
- World Language IV ³

Applying to
a University?
They LOVE
these courses!



Pathway Connections

The Appoquinimink School District is committed to providing a comprehensive education that prepares you for success in college and beyond. In addition to our core academic programs, we offer a variety of specialized concentrations to help you delve deeper into your interests and develop valuable skills.

Why Choose a Concentration?

By selecting a concentration, you'll:

Gain Specialized Knowledge: Develop in-depth expertise in a specific field.

Enhance Your College Applications: Stand out to colleges and universities with unique qualifications.

Boost Your Career Prospects: Acquire practical skills and industry insights.

Personalize Your Learning: Tailor your education to your passions and goals.

Our Vast Concentration Options

JROTC (Junior Reserve Officers' Training Corps):

Cultivate leadership, discipline, and citizenship skills.

Explore military science and history.

Prepare for future careers in the military or other leadership roles.

Forensic Science:

Unravel the mysteries of crime through scientific investigation.

Master advanced laboratory techniques and analytical methods.

Gain a strong foundation in science and math.

Mathematics:

Delve into the world of numbers and problem-solving.

Explore advanced topics like calculus, statistics, and algebra.

Prepare for careers in STEM fields, finance, and data science.

Jobs for Delaware Graduates (JDG):

Gain practical work experience and industry certifications.

Develop essential workplace skills, like communication and teamwork.

Explore career pathways in various industries, such as healthcare, technology, and business.

Sports Management:

Learn the business side of sports, including marketing, finance, and operations.

Gain hands-on experience in sports organizations and facilities.

Prepare for careers in sports administration, coaching, and athletic training.

Take the Next Step

Explore our concentration options and discuss them with your school counselor to make the best choice for your future!





Junior ROTC Concentration: Join The Ranks, **Lead The Way**

The Junior ROTC Concentration is designed to prepare high school students for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American citizens. The curriculum will include strategies to help students improve communication skills, enhance social and ethical values, promote character development and physical fitness, and help develop an appreciation of teamwork through instruction in drill and ceremonies. The course prepares students for ROTC in college or military/civilian service.

Potential Careers

- Border Patrol Officer
- Customs Officer
- Law Enforcement Official
- Military Officer
- Service in a branch of the military:
 - Army
 - Navy
 - Air Force
 - Marines
 - Coast Guard

LEADERSHIP EDUCATION & TRAINING (LET)

- LET I | The Emerging Leader
- LET II | The Developing Leader
- LET III | The Supervising Leader
- LET IV | The Managing Leader

Visit page 109 for course descriptions



What are my Pathway connections?

- Aerospace | Animal Science | Computer Science | Construction | Criminal Justice & Legal Studies
 Culinary & Hospitality Management | Digital Communications Technology
 Education & Leadership | Engineering | Forensic Science
 Global Leadership & Human Studies | Healthcare Sciences | JA Entrepreneurship | Music
 Natural Resource Management | Plant Science | Science | World Language

Forensic Science Concentration: Follow The Evidence

Your Forensics Concentration journey is designed to give students an introduction to the scientific concepts and laboratory research techniques currently used in the field of forensics. Students will continue to develop their critical thinking, laboratory and communication skills necessary to be successful in the field. Students will be presented with scenarios that include some of the latest developments and intriguing news that help shape popular forensic science during our current times. Many of the scenarios and stories students will engage with are taken directly from authentic past and present well known criminal cases.

Potential Careers

- Forensic Anthropologist
- Forensic Ballistics Expert
- Forensic Chemist
- Forensic Crime Scene Investigator
- Forensic DNA Analyst
- Forensic Nurse



What are my Pathway connections?

Criminal Justice | Computer Science | Science | Allied Health

Visit page 93 for the Forensic Science I & Forensic Science II descriptions

Mathematics Concentration: Crunch Numbers, Create Possibilities

The Mathematics Concentration is designed to nurture students' mathematical abilities and prepare them for future success. By engaging in challenging coursework, collaborating with peers, and applying their knowledge to real-world problems, students will develop a deep understanding of mathematical concepts, enhance their analytical skills, and cultivate a lifelong passion for learning.



Potential Careers

- Animator/Game Designer
- Computer Programmer/Analyst
- Engineer
- Mathematician
- Accountant
- Research Scientist

What are my Pathway connections?

Aerospace | Computer Science | Engineering | Science | Global Leadership & Human Studies
Junior Achievement® Entrepreneurship, Business & Leadership | Advanced Placement

Visit pages 89-91 for all Mathematics course descriptions

Jobs for Delaware Graduates Concentration

This Concentration follows the JDG program which helps students achieve their goals in academics, career, and personal development. Its curriculum focuses on academic success, job readiness, and preparing for higher education, trades, employment, or military service. As students progress, the program's complexity increases. JDG is an approved career pathway and DCA membership provides opportunities for leadership, community service, and career exploration. The JDG Teacher assists students with finding jobs throughout the year and post-graduation.

Connection Highlights

- Job Shadowing
- Internship Opportunities
- Guest Speakers
- College/Job Search Assistance
- Membership in Delaware Career Association

What are my Pathway connections?

This Connection works with ALL Pathways!

Visit page 109 for all Jobs for Delaware Graduates course descriptions

Sports Management Concentration:

Play Your Part in the Game.

Sports are more than just the game seen on television or in the stadium. Students interested in sport management should be aware of the various occupations in the sports industry. This course gives an overview of the responsibilities of those involved in the sports industry, as well as how general management principles apply to the industry.



Careers

- Athletic Director
- Sports Law and Governance
- Sports Marketing
- Sports Agent
- Game day or Event Manager

What are my Pathway connections?

Junior Achievement® Entrepreneurship
Digital Communications

Visit page 120 for the Sport Management I & Sport and Media Relations course descriptions

Course Descriptions

Advanced Standing Courses*

Courses listed in the highlighted boxes are eligible to earn college credit. Students may need to meet additional criteria to earn the credit, including a minimum grade in the course or an eligible score on an AP exam. Students should seek guidance from their school counselor with any questions or for additional information.

Dual Enrollment

When students take a dual enrollment course as a requirement within a Pathway, the district covers the cost of the course. When a student takes a dual enrollment course as an elective or optional course, the student is responsible for the cost of the course.

English Language Arts

* = Advance Standing Course / Articulated Credit

English courses are intended to be taken sequentially with students taking English I prior to English II, etc. For upperclassmen courses, English III and IV can be substituted with an AP or Articulated course in English. Listed elective or Pathway courses may not be substituted for core courses.

English I

01001 | 1 Credit

This course expands upon the literature, composition, vocabulary and communication skills previously learned in a student's educational career. Critical reading and analysis are reinforced as students tackle increasingly complex literary and informational texts. In addition to vocabulary expansion, the course focuses on the development of advanced writing skills. Writing includes peer editing, self-editing, and revision. Research skills and literary analysis are refined in each instructional unit.

Pre-AP English I

010010H | 1 Credit

Texts take center stage in the Pre-AP English 1 classroom, inspiring and preparing all students for close, critical reading and analytical writing. This 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 reader to appreciate authors' sometimes-subtle choices, developing an awareness of how words produce effects and how the conventions of the English language are used for both precision and style. As writers, students focus first on crafting complex sentences, building this foundational skill; they then move on to producing well-organized paragraphs and, as the year progresses, more sophisticated, longer-form analyses.

English I - MLL

010081 | 1 Credit

This course is designed for newcomers to the English language. Students will be introduced to foundational literacy and language skills and engage in a sequence of thematic collaborative learning modules focused on social and academic language in the domains of reading, writing, listening and speaking. ***This course satisfies one English credit requirement.***

English II

01002 | 1 Credit

This course builds upon the literary skills acquired in English I with continued emphasis on the reading and writing skills necessary for college and career readiness. The thematic approach incorporates critical reading, writing, listening and speaking in a variety of contexts. Students will practice all stages of the writing process including pre-writing, drafting, revising, editing and post writing. Students will respond analytically, personally and imaginatively to literature and informational texts and make connections to the world at large. The course also addresses grammar and usage, vocabulary development and the research process.

Prerequisite: English I

English II - Honors

01002H | 1 Credit

This rigorous course builds upon the skills developed in English I or Pre-AP English 1, with an increased focus on advanced reading, writing and critical thinking proficiencies essential for college and career readiness. Students will refine their abilities in analytical reading, literary criticism and media literacy, engaging deeply with complex texts and a variety of genres. Emphasis is placed on crafting clear, logical and well-supported ideas through the writing process, including the completion of expository, persuasive and research-based projects. Students will also enhance their verbal discourse skills, apply advanced grammar and vocabulary usage, and master research and library skills through a comprehensive research project.



English II - MLL**010082 | 1 Credit**

This course continues the development of a student's language proficiency with an emphasis on written and spoken academic discourse. Students focus on reading and analysis of authentic grade-level texts, and master communicative functions of writing according to form, purpose and register. Throughout this blended-learning course, students will take advantage of a combination of adaptive technology that targets individual needs and collaborative classroom learning. ***This course satisfies one English credit requirement.***

English III - American Literature**01003, 01003H | 1 Credit**

The foundation of this course is the study of American Literature including its development across time periods and genres. Research, writing skills and new approaches to literary analysis are addressed through collaborative and individual assignments. The use of rhetoric will be a special focus for the course as students study and emulate the styles and approaches used in a variety of masterpieces from American authors.

Prerequisite: English II

English IV - Protest Literature**01090 | 1 Credit**

This course provides an examination of the dynamic realm of Protest Literature delving into a diverse array of literary, informational, and artistic works. Students investigate how writers challenge power structures, examining literature's impact on societal upheaval and uncovering the social and political motivations that drive artistic expression. Students navigate and analyze various forms of texts—literary, informational, visual, and oral—to gain a comprehensive understanding of protest within literary, historical, and cultural contexts. Students trace the rich traditions of protest, discern nuanced methods employed by writers across cultures and historical periods, and delve into compelling narratives that boldly challenge the status quo, reshaping the boundaries of literary expression.

English IV - Themes In Literature**01065, 01065H | 1 Credit**

Themes in Literature explores the profound impact literature has on our lives. The course delves into the rich tapestry of graphic novels, fairy tales, short stories, films, novels, and thought-provoking nonfiction texts, unraveling new perspectives on society. Fueled by student discourse and collaboration, this course propels students into academic conversations, projects, and activities that challenge thinking and grant ownership of the learning journey. Themes in Literature challenges students to think in new ways as they investigate intriguing topics such as Literary Theory, Mental Health, and Social Justice through the lens of literature. The course encourages students to think outside of the box and express insights in intelligent and constructive ways. Students will emerge with a greater understanding of the world around them, their place in society, and how to impact positive change.

Creative Writing**01104 | 1 Credit**

In this intensive online elective course, students will advance their writing skills by exploring various genres of writing through the study of texts and their own creative practice. Using the writing process model, students will craft original pieces across different styles and formats. Additionally, they will conduct both formal and informal research on self-selected topics, using their findings to inspire and enrich their writing. ***This course does not satisfy an English requirement.***



English DLM I, II

01901B, 01902B

This course provides students with access to modified high school texts designed to build vocabulary, enhance reading comprehension, and develop writing skills. Instruction is aligned with the state high school English content standards, as outlined in the Dynamic Learning Maps framework. **Students will matriculate through the certificate graduate program and will not receive credit.**

AP Language & Composition*

01005 | 1 Credit + 3 College Credits

This course develops students into skilled readers and writers through the analysis of nonfiction texts and the composition of evidence-based analytic and argumentative writing. Students explore the interactions among a writer's purpose, audience expectations, and subject while evaluating, synthesizing, and citing research to support their arguments. They analyze rhetorical elements, including visual texts, and study how language choices affect meaning and impact. With a focus on revision and critical thinking, this rigorous course prepares students for the AP Language and Composition exam, equipping them with the skills needed for college success and informed, responsible civic engagement. **Students are expected to take the AP English Language and Composition exam.**

Prerequisite: English I and II.



AP Literature & Composition*

01006 | 1 Credit + 3 College Credits

An AP English Literature and Composition course engages students in the careful reading and critical analysis of literature. Through close reading, students deepen their understanding of the ways writers use language to provide access through genres and themes. As they read, students consider a work's structure and style, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Emphasis is placed on the analysis of literature and literary composition. **This is a rigorous course and students are expected to take the AP Literature and Composition exam.**

Prerequisite: AP Lang. or English III

AP Research & Literature*

221120 | 1 Credit + 3 College Credits

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio.

The course culminates in an academic paper of 4000-5000 words (accompanied by a performance or exhibition of the product where applicable) and a presentation with an oral defense. Literary studies are included in the course.

This course fulfills the 12th-grade English requirement.

Prerequisite: AP Seminar



AP Seminar*

22110 | 1 Credit + 3 College Credits

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 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 perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team.

Ultimately, the course aims ENGLISH LANGUAGE ARTS to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments.

Students taking this course are expected to take the AP Seminar exam. This course does not satisfy an English requirement.

English IV - Gothic Lit*

ENG121GL | 1 Credit + 3 College Credits

This course continues development of skills in reading and analyzing fiction. Students are introduced to the fascinating world of Gothic and horror fiction. Students explore a variety of texts from nineteenth-century Gothic literature to 21st century horror. Students will study writers from many different time periods, and evaluate how the very earliest gothic works continue to influence horror writers today. Rather than taking a straightforward chronological approach to horror literature, we will analyze central sub-genres and topics across the history of the genre. We will consider how different theoretical perspectives can illuminate horror writing and how the horror genre can be a way into some of the most central questions in literary studies. This is an **articulated course with Wilmington University**, integrating the English 121 course into Gothic literature. Throughout the course, students will practice the skills necessary for college level writing, including developing thesis statements and integrating sources into their writing. Each of the English 121 assignments and essays will be based in Gothic fiction, related directly to the content we are studying in the course.

Mathematics

* = Advance Standing Course / Articulated Credit

All students must take Algebra I, Geometry and Algebra II sequentially and are required to take a Math course in their senior year.

Advanced Algebra with Financial Applications**02069 | 1 Credit**

By combining algebraic and graphical approaches with practical business and personal finance applications, students will explore algebraic thinking patterns and functions in a financial context. Mathematics of Finance offers an applications-based learning approach incorporating advanced algebra skills learned in prior courses. Students will learn about the financial, real-life aspects of loans, banking, taxes, employment, retirement and the stock market. This course also includes real-life projects to help students apply their financial knowledge to common financial scenarios such as home ownership and car buying. This course allows students to see how mathematics will be relevant in their future, no matter what career path they choose.

Prerequisite: Algebra II

Algebra I**02052 | 1 Credit**

Building on the major work of middle school, students will experience greater success with concepts associated with algebraic reasoning. This course continues to build on 4 critical areas: **1.** Algebraic reasoning as a foundational mathematical skill that transcends students' abilities to do math, **2.** Modeling relationships and constraints allow students to represent, interpret and communicate their understanding of equations, **3.** Interpreting statistical results is a life skill, and **4.** The ability to collaborate with others and communicate an understanding of algebraic concepts

Algebra II

02056 | 1 Credit

Extending the topics of study learned in Algebra I, students continue to build their picture of functions and their key characteristics. Students have the opportunity to further develop mathematical proficiency of polynomial, rational, exponential and trigonometric functions through 5 critical areas. **1.** Comprehend and connect concepts, operations and relations, **2.** Use procedures to solve complex problems, **3.** Formulate and represent mathematical problems, **4.** Think logically and justify thinking, and **5.** Perceive mathematics as useful and worthwhile.

Prerequisite: Geometry

Algebra II - Honors

02056H | 1 Credit

This course deepens and extends the concepts introduced in Algebra I, emphasizing the Pre-AP framework to enhance students' mathematical reasoning and readiness for advanced mathematics. Students explore the key characteristics of polynomial, rational, exponential and trigonometric functions while focusing on developing a comprehensive understanding of these topics. The course is organized around five critical areas: Conceptual Understanding, Procedural Fluency, Problem Formulation and Representation, Logical Reasoning and Mathematical Perception. The Pre-AP emphasis ensures students develop a strong foundation in Algebra II, preparing them for success in future coursework and beyond.

Prerequisite: Geometry

Calculus - Honors

02121H | 1 Credit

Topics include basic elements of calculus including basic differential calculus of polynomials, rational, logarithmic and exponential functions, derivative graphing and some discussion of limits.

Prerequisite: Precalculus

Geometry

02072 | 1 Credit

Students logically reason the relationships between points, lines and planes to create formal mathematical arguments for transformations, similarity, congruence, circumference and area redefining the concepts they explored in previous grades. This course will focus on **1.** Constructing viable arguments and critiquing the work of others while proving a wide variety of theorems, **2.** Making connections to algebraic concepts through the use of coordinates and formulas, and **3.** Modeling geometric principles.

Prerequisite: Algebra I

Geometry - Honors

02072H | 1 Credit

This course builds on the foundational concepts of geometry, incorporating the Pre-AP framework to prepare students for advanced mathematical reasoning and application. Students will logically analyze the relationships between points, lines and planes, constructing formal mathematical arguments to explore transformations, similarity, congruence, circumference and area. Key focuses of the course include Constructing Viable Arguments, Algebraic Connections and Modeling and Application. The Pre-AP approach emphasizes rigorous thinking, precision and making meaningful connections between concepts to support success in higher-level mathematics.

Prerequisite: Algebra I

Integrated Consumer Math DLM I, II

02901B, 02902B

This course focuses on the practical application of algebra, geometry, statistics and probability. Emphasis is on real-world math skills. The class will use the Dynamic Learning Maps of the state high school math content standards. Students will matriculate through the diploma of alternate achievement standards graduate program. ***This is not a credit-bearing course.***

Precalculus - Honors

02110H | 1 Credit

Combining concepts of trigonometry, geometry and algebra, students extend their work with complex numbers and revisit functions alongside conic sections, limits and linear algebra. Students will develop a solid foundation for higher-level mathematics courses such as calculus, business calculus and finite mathematics. This course allows students to **1.** Reason abstractly and quantitatively in making sense of algebraic representations of geometric concepts, **2.** Use graphing tools strategically to deepen their understanding of the behavior of functions, and **3.** Model with mathematics, drawing connections to physics, engineering and other sciences.

Prerequisite: Algebra II

Statistics & Probability

02201 | 1 Credit

This course provides a collaborative, in-depth study of probability and statistics. The probability section will focus on data analysis. The statistics section includes graphical representations of data, numerical descriptions of distributions, drawing inferences from data (including misuses of data), sampling and experimental design and simulation.

Prerequisite: Algebra II

AP Calculus AB*

02124 | 2 Credits + 3 College Credits

This upper-level calculus course mimics the first semester of a college calculus course and prepares students to take the AP Calculus AB Exam in May. It covers an introduction to limits, development of the derivative and applications of the derivative to related rate problems, optimization, curve sketching, and rectilinear motion problems. Integration is introduced and applied to problems involving area and volume. *This is a two-semester course that meets every day*

Prerequisite: Precalculus

Students are expected to take the AP Calculus AB Exam.

AP Calculus BC*

02125 | 1 Credit + 3 College Credits

This upper-level calculus course mimics the first two semesters of a college calculus course and prepares students to take the AP Calculus BC Exam in May. In addition to the topics covered in AP Calculus AB, the course covers single variable differential calculus, integral calculus, and infinite series and sequences.

Prerequisite: Precalculus or AP Calculus AB

This course is typically taken concurrently with AP Calculus AB. Students taking this course are expected to take the AP Exam in May.

AP Computer Science A*

10157 | 1 Credit + 3 College Credits

Computer Science A focuses on further developing computational thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their choosing by designing and implementing user interfaces and Web-based databases.

Prerequisite: AP Computer Science Principles

Students who complete this course are expected to take the AP Computer Science A exam in the spring.

AP Precalculus*

02114 | 1 Credit + 3 College Credits

Precalculus is the preparation for Calculus. The course approaches topics from a function point of view, where appropriate, and is designed to strengthen and enhance conceptual understanding and mathematical reasoning used when modeling and solving mathematical and real-world problems. Students systematically work with functions and their multiple presentations. The study of Precalculus deepens a student's mathematical understanding and fluency with algebra and trigonometry and extends their ability to make connections and apply concepts and procedures at higher levels.

Prerequisite: Algebra II

Students taking this course are expected to take the AP exam.

AP Statistics*

02203 | 1 Credit + 3 College Credits

Students will be introduced to the major concepts and tools necessary for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes; exploring data, sampling and experimentation, anticipating patterns and statistical inference. All students are expected to take the AP exam. This is a yearlong, alternate day course.

Prerequisite: Algebra II

Students taking this course are expected to take the AP exam.

Trigonometry* (DSU - Dual Enrollment)

02910 | 1 Credit + 3 College Credits

This course is designed to prepare students for calculus. Topics include exponential and logarithmic functions, trigonometric functions and graphs, trigonometric identities, trigonometric equations, inverse trigonometric functions, laws of sines and cosines, and applications.

Prerequisite: Algebra II

MTSC 122 Delaware State University dual enrollment is dependent upon a passing score on the Mathematics placement test.

Anatomy & Physiology I

0305312 | 1 Credit

Anatomy & Physiology I is designed for those interested in the medical field and introduces students to basic terminology and tissues of the human body. The course explores how the body is organized into several levels of complexity. These levels of organization are essential for understanding how the human body functions as a whole. The course covers how homeostasis is influenced by the structure and function of the integumentary, skeletal, muscular and nervous systems. Throughout the course, the students will apply critical thinking, problem-solving, teamwork, and decision-making skills. *Dissection is required.*

Prerequisite: Biology I

Biology I

03051 | 1 Credit

Biology I uses phenomena-based investigations to explore the realms of biological systems and energy, inheritance, natural selection, and ecological relationships. Students will gather information through simulations and hands-on experiences to explain the systems, models, and phenomena investigated through various modalities including projects, tests, and other learning assignments.

Biology II - Honors

03052H | 1 Credit

Biology II Honors investigates current research in Biology and how this research impacts global dynamics. This honors-level course will include more in-depth research on various topics to enable students to construct written and verbal explanations of scientific concepts and evidence-based arguments. At the end of the course, students will be assessed by presenting a possible solution to a global, biological issue supported by evidence from their research and/or experimentation.

Prerequisite: Biology I

Chemistry I

03101 | 1 Credit

Chemistry I includes an overview of atomic theory, patterns in the periodic table, the use of models to explain chemical bonding, basic chemical reactions and stoichiometry. Planning and carrying out investigations and using mathematics in computational thinking are emphasized. Prerequisite: Algebra I or equivalent course

Prerequisite: Algebra I or equivalent course

Chemistry I - Honors

03101H | 1 Credit

Chemistry I Honors follows an accelerated pace, covering the topics from Chemistry I as well as additional topics designed to prepare students to take chemistry at the college-level. Greater emphasis will be placed on applying mathematics and formulaic thinking. This course is recommended for students interested in careers in the fields of science or medicine and is the prerequisite for students who plan to take AP Chemistry.

Prerequisite: Algebra I or equivalent course

Earth & Space Science I

0300812 | 1 Credit

The Earth & Space Science course is designed to engage students in science that addresses humanity's immediate issues: the exploration of our solar system and Earth's place in the universe, interpretation of geologic evidence and landforms, weather and climate, and Earth's materials and systems. Students will develop and use models to build an in-depth understanding of Earth and space as a series of complex systems through which matter and energy are continuously cycled.

Earth & Space Science II - Honors

0300822H | 1 Credit

Earth & Space Science 2 Honors builds on the foundations developed in Earth & Space Science 1 through project-based and independent research activities. Students explore computational and theoretical aspects of modern astronomy topics. Students also investigate the various evidence related to paleoclimate and paleobiology through historical geology and the rock record. Students analyze the structure and occurrence of rocks and minerals, and the sustainability of mineral use in modern society. Finally, students examine the physical and chemical properties of an ever-changing ocean, and the implications of climate change on ocean habitability.

Prerequisite: Earth and Space Science I



Environmental Science

03003 | 1 Credit

Environmental Science is designed to show thematic connections among a variety of science disciplines including biology, chemistry and earth science. Students will apply prior scientific knowledge to current environmental issues and will become better-informed citizens and decision makers. Key topic areas include human population, resources and energy, and anthropogenic impacts on atmospheric, land and water science. Topics also include the management of natural resources and analysis of private and governmental decisions involving the environment.

Prerequisite: Students will have completed a minimum of two science credits, including Biology I.

Forensic Science I

03214 | 1 Credit

Forensic Science I is designed to incorporate the scientific concepts and techniques utilized in the field of forensics. Course units include observational skills, crime scene analysis, evidence gathering and processing, hair, fiber and textile analysis, DNA profiling, fingerprint analysis, blood spatter and forensic anthropology. The course concludes with an in-depth crime scene analysis that allows students to embody the role of a forensic investigator and ultimately put the skills learned throughout the course into cumulative practice. Evidence-based reasoning is a cornerstone of the course and will be employed using an activity based approach to frame each curricular unit.

Prerequisite OR concurrent course: Anatomy and Physiology I

ASD Recommends: Chemistry I or equivalent course

Forensic Science II - Honors

03215 | 1 Credit

Forensic Science II is an honors level course designed to incorporate and build on the scientific concepts and techniques established in Forensic Science I. Course units include forensic botany, soils, fire/arson, toxicology, forensic psychology, accident reconstruction and others. The course concludes with a cold case investigation or similar research project that allows students to embody the role of a forensic investigator and ultimately put the skills learned throughout the course into cumulative practice. Evidence based reasoning and independent research are a cornerstone of the course and will be employed using an activity-based approach to frame each curricular unit.

Prerequisite: Forensic Science I

ASD Recommends: Chemistry I or equivalent course

Physics

03151 | 1 Credit

Physics I includes an overview of motion, forces, energy, momentum, and wave theory. Planning and carrying out investigations and using mathematics in computational thinking are emphasized as well as data analysis and conceptual understanding in order to construct explanations of students' experiences in the physical world. Completion of the course will develop a foundation for continuing studies in Science, Technology, Engineering and Math.

Prerequisite: Algebra I or equivalent course AND Geometry

Scientific Research

03212 | 1 Credit

Science Research is an honors-level course that represents the culmination of the Science Pathway. This course focuses on technical scientific writing, laboratory skills, robust data analysis, and the development and implementation of effective research practices. The final product for the course will be an independent research project on a topic of the student's choosing. This fulfills the capstone project requirements for the Science Pathway. All students will be expected to present their findings as part of the ASD STEM Fair which typically runs in the spring semester.

Prerequisite: Students will have completed a minimum of 6 Science credits, including Biology I and Chemistry I or Chemistry I Honors.



Anatomy & Physiology I* (DTCC Dual Enroll)**03910 | 1 Credit + 3 College Credits**

Anatomy & Physiology I* (DTCC Dual Enroll) Delaware Technical Community College's BIO 120 course introduces students to the anatomy and physiology of humans including the structure and function of cells, tissues, integumentary, skeletal, muscular, nervous, and endocrine systems. Through coordinated laboratory experiments students learn about the physiology of each body system, diseases, and disorders, and they gain a comprehensive understanding of human health and how the body functions. In addition to understanding the physiological processes, it's crucial for them to explore how diseases arise, and how they are diagnosed, treated, and prevented.

Prerequisite: Biology I

ASD Recommends: *Anatomy and Physiology I*

DTCC dual enrollment is dependent upon a SAT EBRW score of 480 or higher, 3.0 GPA

Anatomy & Physiology II* - Honors**0305313H | 1 Credit + 3 College Credits**

Anatomy & Physiology II covers how homeostasis is influenced by the structure and function of the cardiovascular, lymphatic, urinary, respiratory, digestive and reproductive systems. **Dissections are a required component of this course and are more extensive than Anatomy and Physiology I.** Throughout the course, the students will apply critical thinking, problem-solving, teamwork, and decision-making skills.

Prerequisite: Anatomy and Physiology I

AP Biology***03056 | 2 Credits + 3 College Credits**

Advanced Placement Biology is designed around the AP Biology Curriculum Framework that focuses on the major concepts in biology and their connections. Additionally, the Curriculum Framework provides a basis for students to develop a deep conceptual understanding as well as opportunities to integrate biological knowledge and science practices through inquiry-based activities and laboratory investigations. *This is a two-semester course that meets every day.*

Prerequisite: Biology I plus concurrent course: Chemistry I or equivalent course

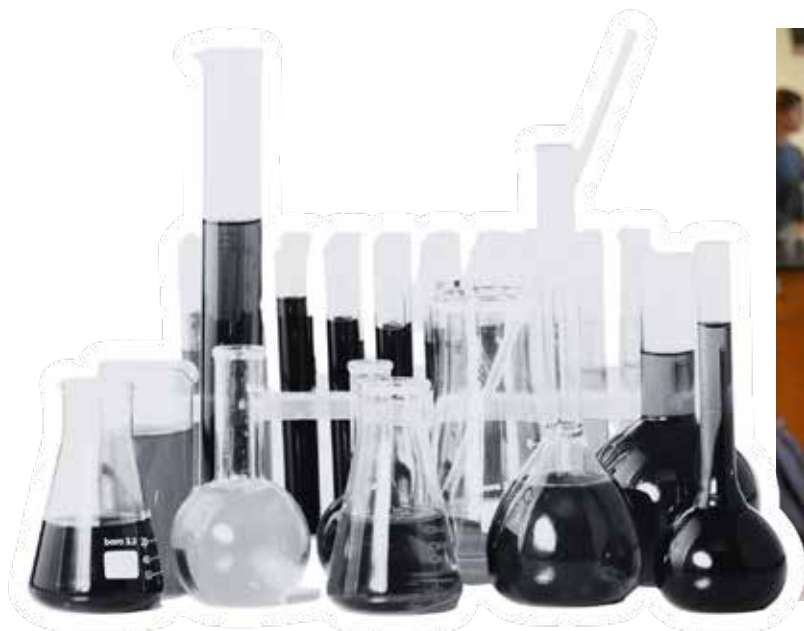
Students taking this course are expected to take the AP exam.

AP Chemistry***03106 | 2 Credits + 3 College Credits**

Advanced Placement Chemistry is the equivalent of one year of college general chemistry. The pace and workload of this course is rigorous. Topics include atomic structure, chemical reactions, stoichiometry, gas laws, rates of reactions, chemical equilibrium, acids and bases and electrochemistry. The focus of both class and laboratory work is on preparation for the College Board AP test which is administered in May. *This is a two-semester course that meets every day.*

Prerequisite: Chemistry I Honors

Students taking this course are expected to take the AP exam.



AP Environmental Science*

03207 | 2 Credits + 3 College Credits

The Advanced Placement Environmental Science course is designed to be the equivalent of a one-semester introductory college course. Students will engage with the scientific principles, concepts and methodologies required to understand the interrelationships of 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, chemistry and geography. *This is a two-semester course that meets every day.*

Prerequisite: Algebra I or equivalent course. Students will also have completed a minimum of two science credits.

Suggested courses would include Biology I, Earth and Space Science I or Chemistry I.

Students taking this course are expected to take the AP exam.

AP Physics I*

03155 | 2 Credits + 3 College Credits

Advanced Placement Physics is the equivalent of a first-semester college course in algebra-based physics. The course focuses on the conceptual and quantitative understanding of motion, forces, energy, and momentum from linear and rotational perspectives. The course is based on six Big Ideas, which encompass core scientific principles, theories and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. Students will establish lines of evidence through extensive hands-on laboratory work, with an emphasis on inquiry-based investigations and use them to develop and refine testable explanations and predictions of natural phenomena. *This is a two-semester course that meets every day.*

Prerequisite: Geometry

ASD Recommends: Algebra II and Precalculus.

Students taking this course are expected to take the AP exam.

AP Physics II*

03156 | 1 Credit + 3 College Credits

Advanced Placement Physics II is the equivalent of a second semester college course in algebra-based physics. The course focuses on the conceptual and quantitative understanding of how forces and energy govern heat, light, electricity and magnetism. The course is based on six Big Ideas, which encompass core scientific principles, theories and processes that cut across traditional boundaries and provide a broad way of thinking about the physical world. Students will establish lines of evidence through extensive hands-on laboratory work, with an emphasis on inquiry-based investigations and use them to develop and refine testable explanations and predictions of natural phenomena.

Prerequisite: AP Physics I (Students may take AP Physics I and AP Physics II concurrently.)

Students taking this course are expected to take the AP exam.

Gene Editing* (Summer Course)

14990 | 1 Credit + 3 College Credits

The Gene Editing course engages students in open-ended problem solving where they study topics such as DNA, disease and gene therapy. Through exploration of gene editing, students will acquire important knowledge and laboratory skills, providing insight into the roles of scientists and medical doctors in the career fields of genetics, forensics and education. Students will read *The Immortal Life of Henrietta Lacks* and discuss legal, ethical and trust issues as well as healthcare disparities in minority populations.

Prerequisite: Biology or Anatomy and Physiology



African American History

04107 | 1 Credit

In this course, students explore the African American struggle for freedom and equality. Topics include the study of African societies, slavery, the Civil War and current African American issues.

Economics and Personal Finance

04201 | 1 Credit

This class engages students in the study of the economy, its impact on their lives, and the effects that choices and decisions have on the economy as a whole. To understand how a market economy creates interdependence, students will receive grounding in economic systems, microeconomics, macroeconomics and international trade. Using case studies, current events, supply and demand analysis, and cost benefit analysis, they will examine public policy choices at the societal level as well as applying these skills to individual decisions and problem solving.

Human Geography and Civics

041610 | 1 Credit

This Project-Based Learning course is designed to prepare 9th grade students for success in high school Social Studies. The content and level of rigor has been carefully selected to foster interest in human geography and government while sharpening literacy skills to help students feel confident that they can succeed at the next level. Students will examine Human Geography where they will be introduced to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. Students will also be introduced to U.S. Government and Civics. Where they will be introduced to key political concepts, ideas, institutions, policies, interactions, roles and behaviors that characterize the constitutional system and political culture of the United States.

Psychology

04254 | 1 Credit

In this course, students investigate scientific theories of human behavior and their application. They explore the anatomy of the brain and discover what psychologists have learned about why people behave the way they do.

United States History

04101 | 1 Credit

In this course, students will investigate U.S. History from the 1860s through modern times, including Reconstruction, westward migration, industrialization, progressivism, imperialism World War I, the Great Depression, World War II, the Cold War and the modern U.S. In this course, students will examine and interpret historical data, conduct research, engage in discussion and participate in simulations.

World History

04053 | 1 Credit

In this course, students will investigate World History from the end of the Middle Ages (roughly 1400 CE) to the present day. Themes to be examined include the Renaissance, the Enlightenment, revolutions, industrialism, imperialism and nationalism. The course will conclude with an overview of the complex problems facing the world today.



AP African American Studies*

04450 | 1 Credit + 3 College Credits

In this course, students will examine the history, politics, culture and economics of North American people of African descent. From the slave economy to the civil rights movement, and from the blues to hip-hop, African Americans have had a huge role in shaping American society and culture. Students will also examine hardships African Americans have faced historically and the difficult issues of today.

Students taking this course are expected to take the AP African American Studies exam.

AP Comparative Government & Politics*

04158 | 1 Credit + 3 College Credits

AP Comparative Government and Politics is an introductory college-level course. The course uses a comparative approach to examine the political structures, policies, and political, economic and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization internal and external forces and methods of political analysis.

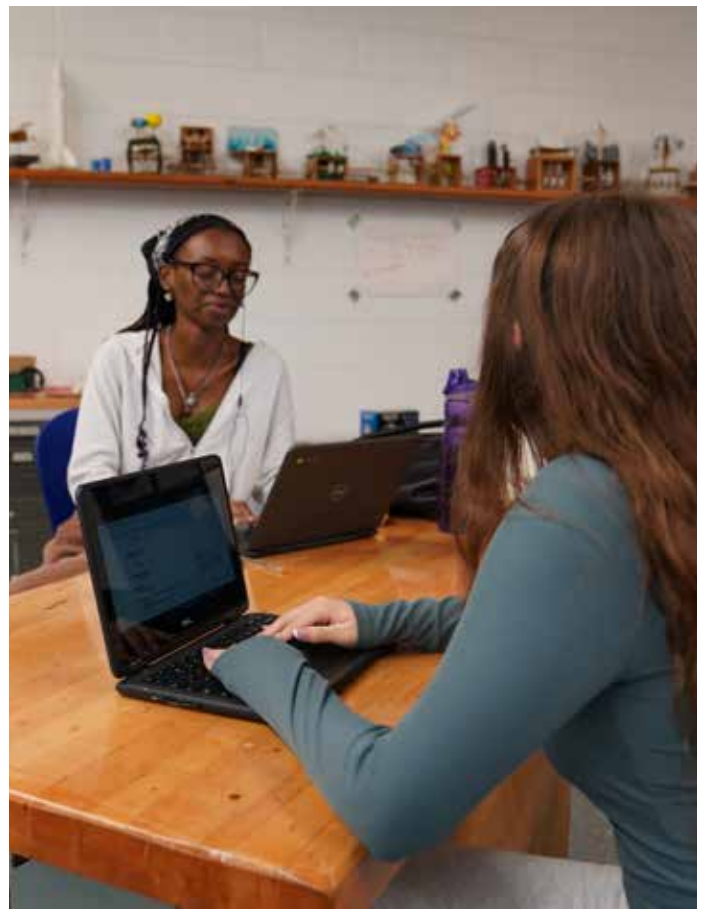
Students taking this course are expected to take the AP Comparative Government and Politics exam.

AP European History*

04056 | 1 Credit + 3 College Credits

In this course, students will analyze the history of Europe from c. 1450 to the present. Through the study of the major cultural, economic, political and social developments, students will develop the analytic skills and factual knowledge necessary to critically examine the historical data of Europe's history and global influence.

Students taking this course are expected to take the AP European History exam.



AP Government & Politics: United States*

04157 | 1 Credit + 3 College Credits

In this course, students investigate various aspects of the U.S. government. Topics include U.S. culture and voting, American democratic principles and values, the institutions of government, and the creation and effects of public policy.

Students taking this course are expected to take the AP exam.

AP Human Geography*

04004 | 1 Credit + 3 College Credits

This course introduces students to the study of geography and spatial patterns through the examination of population patterns and distribution, cultural patterns and landscapes, economic systems and patterns, urban geography and political geography.

Students will be expected to do research projects, engage in classroom discussions and participate in simulations.

Students taking this course are expected to take the AP Human Geography exam.



AP Macroeconomics*

04204 | 1 Credit + 3 College Credits

AP Macroeconomics is an extension of AP Microeconomics. In this course, students will gain a thorough understanding of economic systems as a whole. Through the analysis of economic performance measures, students will examine income and price-level determination, stabilization policies, the financial sector, economic growth and international economics.

Students taking this course are expected to take the AP Macroeconomics exam.

Prerequisite: Economics and Personal Finance or AP Microeconomics



AP Microeconomics*

04203 | 1 Credit + 3 College Credits

In this course, students will gain an understanding of the principles of economics in relation to individual decision-makers, both producers and consumers, in an economic system. Students will explore product and factor markets and analyze the role of the government in the functioning of the economy.

Students taking this course are expected to take the AP Microeconomics exam.

AP Psychology*

04256 | 1 Credit + 3 College Credits

In this course, students are introduced to systemic and scientific study of human behavior and mental processes. While considering the studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with major units of study, including biological bases of behavior, cognition, development, learning, social psychology, personality, and mental and physical health.

Students taking this course are expected to take the AP Psychology exam.

AP U.S. History*

04104 | 1 Credit + 3 College Credits

In this course, students will thoroughly analyze the history of United States History from its founding through the present day. Through the study of the major political, social and economic events, students will develop the analytic skills and factual knowledge necessary to critically examine the historical data of our nation's history.

Students taking this course are expected to take the AP U.S. History exam.

Prerequisite: Successful completion of 9th and 10th grade Social Studies.

AP World History*

04057 | 1 Credit + 3 College Credits

In this course, students will examine the evolution of global processes from 8000 B.C.E. to the present. Topics include human interaction with the environment, the development of cultures, the expansion of empires, the growth of economic systems and the transformation of social structures.

Students taking this course are expected to take the AP World History exam.

Sociology*

042580 | 1 Credit + 3 College Credits

In this course, students explore the social origins of human behavior, gaining an understanding of culture and the structure of societies. They develop a sociological perspective and learn how to conduct social science research using state-of-the-art technology while interpreting data and presenting conclusions.

This course will be offered as an articulated course.



American Sign Language I

24852 | 1 Credit

Students gain an introductory knowledge of expressive and receptive American Sign Language (ASL) vocabulary through performance-based activities. Basic ASL grammar will be introduced.

American Sign Language II

24853 | 1 Credit

Students further their understanding of ASL including a more in-depth study of American Deaf Culture.

Prerequisite: ASL I

American Sign Language III

248540 | 1 Credit

Students will enhance proficiency in ASL using linguistic, Deaf Culture, and a communicative approach. There is a continued focus on receptive and expressive signing skills.

Prerequisite: ASL II or Novice High Profic.

American Sign Language IV - Honors

24855H | 1 Credit

ASL IV is a continuation of ASL III. Students will continue to focus on vocabulary expansion, linguistics, cross-cultural communication and Deaf Culture knowledge at an advanced level.

Prerequisite: ASL III or Intermediate Low Profic.

American Sign Language V

24856 | 1 Credit

This course provides an overview of the interpreting profession, including roles and ethics of interpreting as well as discourse strategies in a variety of communication contexts. Field experiences are designed to apply the basic practices of translating and interpreting in different settings, with opportunities to educate others and advocate for the Deaf Community.

Prerequisite: ASL IV or Intermediate Mid Profic.

Chinese I

24402 | 1 Credit

This introductory Chinese course is designed to develop students' proficiency in listening, speaking, reading and writing in authentic situations. They will be introduced to Chinese characters (Hanzi) and how culture and language interact in Chinese-speaking countries.

Chinese II

24403 | 1 Credit

This course continues to develop students' Chinese proficiency in listening, speaking, reading and writing in real-life situations. Students will continue to develop their knowledge and understanding of Chinese characters (Hanzi) and culture.

Prerequisite: Chinese I

Chinese III

244040 | 1 Credit

This course builds upon the skills developed in Chinese I and II, continuing to on focus students' proficiency in listening, speaking, reading and writing in authentic situations. Students will continue to explore Chinese culture.

Prerequisite: Chinese II or Novice High Profic.

Chinese IV - Honors

24405H | 1 Credit

This intermediate-level course focuses on reading and writing, as well as conversational skills that build on knowledge and skills gained in Chinese I, II and III. Students will continue to engage with the Chinese culture authentically.

Prerequisite: Chinese III or Intermediate Low Profic.



French I**24102 | 1 Credit**

This introductory French course is designed to develop students' proficiency in listening, speaking, reading and writing in authentic situations. They will be introduced to Francophone cultures around the world.

French II**24103 | 1 Credit**

This course continues to develop a student's language proficiency in listening, speaking, reading and writing in real-life situations. Students will continue to develop their knowledge and understanding of Francophone cultures.

Prerequisite: French I

French III**241040 | 1 Credit**

This intermediate level course builds upon the skills developed in French I and II, continuing to focus on students' proficiency in listening, speaking, reading and writing in authentic situations. Students will continue to explore and engage with Francophone cultures.

Prerequisite: French II or Novice High Profic.

French IV - Honors**24105H | 1 Credit**

This course focuses on reading and writing, as well as conversational skills that build on knowledge and skills gained in French I, II and III. Students will continue to engage with Francophone cultures authentically.

Prerequisite: French III or Intermediate Low Profic.

Japanese I**24452 | 1 Credit**

This introductory Japanese course is designed to develop students' proficiency in listening, speaking, reading and writing in authentic situations. They will be introduced to Japanese characters (Kanji, Hiragana and Katakana) and how culture and language interact.

Japanese II**24453 | 1 Credit**

This course continues to develop students' Japanese proficiency in listening, speaking, reading and writing in real-life situations. Students will continue to develop their knowledge and understanding of Japanese characters (Kanji, Hiragana and Katakana) and culture.

Prerequisite: Japanese I

Japanese III**244540 | 1 Credit**

This course builds upon the skills developed in Japanese I and II, continuing to focus on students' proficiency in listening, speaking, reading and writing in authentic situations. Students will continue to explore Japanese culture.

Prerequisite: Japanese II or Novice High Profic.

Japanese IV - Honors**24405H | 1 Credit**

This intermediate level course focuses on reading and writing, as well as conversational skills that build on knowledge and skills gained in Japanese I, II and III. Students will continue to engage authentically with Japanese culture.

Prerequisite: Japanese III or Intermediate Low Profic.

Spanish I**24052 | 1 Credit**

This introductory Spanish course is designed to develop students' proficiency in listening, speaking, reading and writing in authentic situations. They will be introduced to Spanish cultures around the world.

Spanish II**24403 | 1 Credit**

This course continues to develop students' language proficiency in listening, speaking, reading and writing in real-life situations. Students will continue to develop their knowledge and understanding of Spanish culture.

Prerequisite: Spanish I

Spanish III**240540 | 1 Credit**

This intermediate level course builds upon the skills developed in Spanish I and II, continuing to focus on students' proficiency in listening, speaking, reading and writing in authentic situations. Students will continue to explore and engage with Spanish cultures.

Prerequisite: Spanish II or Novice High Profic.

Spanish IV - Honors**24055H | 1 Credit**

This intermediate level course focuses on reading and writing, as well as conversational skills that build on knowledge and skills gained in Spanish I, II and III. Students will continue to engage authentically with Spanish cultures.

Prerequisite: Spanish III or Intermediate Low Profic.

AP Chinese Language & Culture*

24414 | 1 Credit + 3 College Credits

In AP Chinese Language and Culture, students cultivate their understanding of Chinese language and culture by applying the interpersonal, interpretive and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life and global challenges.

Students taking this course are expected to take the AP exam in May.

Prerequisite: Chinese IV or Intermediate Mid Profic.

AP Japanese Language & Culture*

24066 | 1 Credit + 3 College Credits

In AP Japanese Language and Culture, students cultivate their understanding of Japanese language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Students taking this course are expected to take the AP exam in May.

Prerequisite: Japanese IV or Intermediate Mid Profic.

AP French Language & Culture*

24065 | 1 Credit + 3 College Credits

In AP French Language and Culture, students cultivate their understanding of French language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life and global challenges.

Students taking this course are expected to take the AP exam in May.

Prerequisite: French IV or Intermediate Mid Profic.



AP Spanish Language & Culture*

24064 | 1 Credit + 3 College Credits

In AP Spanish Language and Culture, students cultivate their understanding of Spanish language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Students taking this course are expected to take the AP exam in May.

Prerequisite: Spanish IV or Intermediate Mid Profic.

Spanish Conversation* (DSU Dual Enroll)

SPAN 222 | 1 Credit + 3 College Credits

This Spanish course focuses on improving proficiency skills of speaking and listening by building vocabulary and knowledge of grammar in context. Students will improve their conversational skills in real-world situations while advancing their intercultural competency.

This course is recommended after Spanish IV or with Intermediate Mid Profic.

Prerequisite: Spanish IV or Intermediate Mid Profic.



Advanced Spanish Diction & Conversation*

SPAN 334 | 3 Hour Credit

Practice in aural and oral understanding, pronunciation, and practical use of the language. Class conducted in Spanish.

Prerequisite: SPAN 301 or Advanced Low-Mid Profic.

Intermediate Spanish Composition & Stylistics II*

SPAN 301 | 3 Hour Credit

In AP Spanish Language and Culture, students cultivate their understanding of Spanish language and culture by applying the interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Credit, three hours. Class conducted in Spanish.

Prerequisite: SPAN 250 or Intermediate High Profic.



Latin American Civilization

SPAN 306 | 1 Credit + 3 College Credits

Systematic study of the origin and development of Latin American and its role in human history from the points of view of geography, history, social, and political institutions and its culture. Class conducted in Spanish.

Prerequisite: SPAN-334 or Advanced Mid-High Profic.

Spanish Civilization*

SPAN 305 | 3 Hour Credit

Systematic study of the origin and development of the Spanish nation and its role in human history from the points of view of geography, history, social, and political institutions, and its culture. Class conducted in Spanish.

Prerequisite: SPAN-334 or Advanced Mid-High Profic.



Spanish Communication In A Digital Age*

SPAN 250 | 3 Hour Credit

This course offers an undergraduate-level study of digital media with emphasis on explicit development of language learning strategies to enhance students' progress in the Spanish language development and acquiring culturally sensitive discourse practices. Students will engage in project-based and career learning opportunities using interpersonal communication skills within various contexts of digital media. Students will explore how language shapes relations between diverse groups, and how to strengthen intercultural communication. Class conducted in Spanish.

Prerequisite: AP score of 3*, 4, 5. AP *score of 3 requires STAMP score of 5 in 8th grade or Intermediate Mid-High Proficiency

Advanced Plant Science

18073 | 1 Credit

This course is designed to provide an in-depth exploration of various aspects of plant science, incorporating elements of biotechnology, Integrated Pest Management (IPM), landscape design, soil science, floral design, and agronomy. Students will delve into advanced concepts, technologies, and sustainable practices that are integral to modern agriculture, horticulture, and environmental management.

Prerequisite: Principles of Plant Growth

Application of Veterinary Science

18173 | 1 Credit

This course builds students' knowledge base with veterinary science applications including common terminology, equipment, diagnostics, biosecurity, and more in-depth anatomy and physiology and diseases. Hands-on labs and practicums build students technical skill set with performing examinations, restraining patients, administering medications, and additional veterinary assistant skills.

Prerequisite: Animal Care & Management

Environmental Sustainability & Ethical Leadership

18514 | 1 Credit

The Environmental Sustainability and Ethical Leadership course introduces environmental science, pollution control, and environmental technology. It provides students with a basic understanding of the normal ecology of the planet and the risks associated with polluting the environment. Environmental pollution and control technology topics include safe drinking water, wastewater treatment, air pollution, and solid and hazardous waste management.

Prerequisite: Natural Resource and Ecology Management

AgriScience Leadership*

18172 | 1 Credit + 3 College Credits

This Capstone course is designed to explore the fundamentals of leadership, with a special focus on the agriscience sector. Students will learn about the core principles of leadership and how these can be effectively applied to address real-world challenges encountered in AgriScience settings.

Prerequisite: Application of Veterinary Science, Environmental Sustainability & Ethical Leadership, Advanced Plant Science

Animal Care & Management*

18172 | 1 Credit + 3 College Credits

This hands-on course introduces the types, breeds, and classes of animals with an emphasis on practical application in the housing, selecting, breeding, feeding, health and care of various livestock, poultry, and companion animals.

Prerequisite: Applied AgriScience

Applied AgriScience*

18001 | 1 Credit + 3 College Credits

This hands-on course develops students into innovative leaders within the fields of animal, plant, and natural resources/environmental sciences. By learning about the broad scope of the agricultural industry, including current issues, government agencies and regulations, safety practices, and the National FFA Organization, students have the framework to become educated consumers, industry leaders, and advocates.

Principles of Plant Growth*

18072 | 1 Credit + 3 College Credits

This course introduces plant structure and function with practical applications to horticulture, turf, and agricultural plants. Through a combination of theoretical knowledge and practical applications, students will explore the intricacies of plant life, growth, and development, as well as the interactions between plants and their environment.

Prerequisite: Applied AgriScience

Natural Resource & Ecology Management*

18504 | 1 Credit + 3 College Credits

This course is designed to immerse students in the exploration and understanding of natural habitats through outdoor studies. Focused on experiential learning, the curriculum integrates theoretical knowledge with hands-on experiences in diverse ecosystems. Students will examine soil, water, and air as essential components of the Earth's environment, and gain an understanding of their value in the sustenance of life and the functioning of ecosystems.

Prerequisite: Applied AgriScience

Foundations of Finance

12103 | 1 Credit

This introductory course will equip students with foundational personal finance skills while introducing business technology and presentation tools that are necessary for 21st-century success. Course themes include: how to earn and save money; how to manage money by being a wise consumer (creating and using a budget), how to manage bank accounts, investments, and credit, how to assess risks and use insurance, and how to address financial problems like identity theft and debt. Students will learn personal skills like teamwork, innovation and ethical decision-making while also learning the basics around technology and tools that businesses use to stay productive. Students will have a culminating experience participating in a live (or virtual) simulation of JA Finance Park 2.0 at the JA of Delaware Campus in which they will design/plan their 'entire life budget.'

Entrepreneurship, Business & Leadership Capstone

12098 | 1 Credit

JA Company Program empowers high school students to fill a need or solve a problem in their community and teaches them practical skills required to conceptualize, capitalize and manage their own business venture. Throughout the process of building their own company, students collaborate, make crucial business decisions, communicate with multiple stakeholders and develop entrepreneurial knowledge and skills. Community volunteers and mentors provide real-world guidance and experience to the student-led startup.

Essentials of Business & Technology

12055 | 1 Credit

In level two, students will build upon their personal finance skills developed during level one and begin to explore themes more centric to the world of business including economics, banking services, employee benefits, business ethics, risk management, international business opportunities, innovation, marketing and accounting. Students will further demonstrate and expand upon their abilities to incorporate the use of presentation tools such as Microsoft Word, Excel and PowerPoint, and the functionality/features appropriate within various business environments and scenarios.

Applications of Entrepreneurship*

12053 | 1 Credit + 3 College Credits

In level three, after accumulating knowledge and skills around personal finance and business, students will explore entrepreneurship and the basics of starting a business. This will include developing entrepreneurial abilities, identifying a business opportunity, creating a business plan, economics and the stages of business growth. Students will examine their personal skill set as it pertains to interpersonal communication, business writing and organizational communication skills. Students will be able to think critically, solve problems and overcome challenges while also effectively communicating about performance and expectations with their peers and adult stakeholders.



Advanced Food Production & Hospitality Management

FCS1600 | 1 Credit

This course further expands upon the culinary essentials and hospitality management skills learned through lab experiences. This course incorporates customer relations, cost controls, marketing, purchasing, inventory and communications. All skills are practiced through a classroom-managed food service operation. Professional skills needed to effectively manage an organization and engage in customer service are integrated.

Prerequisite: Fundamentals of Culinary Arts & Hospitality.

Culinary Arts Capstone

FCS1700 | 1 Credit

This Capstone course will put into practice the skills, procedures and processes learned in the previous three courses, Fundamentals of Culinary Arts and Hospitality Management, Advanced Food Production and Hospitality Management, and The Culinary and Hospitality Professional. Students who elect to enroll in the Culinary Arts Capstone course will complete 120 hours of seat time in the course and as a part of the course, students will complete their 50 hours of immersion experience working with an Industry Partner on a research project. ***Students will receive credit for hours both from work in the classroom and outside of the classroom.***

Fundamentals of Culinary Arts & Hospitality

FCS1500 | 1 Credit

This course provides an overview of the restaurant and hospitality industry and the importance of food safety and sanitation. Students have the opportunity to prepare a variety of foods and learn the equipment and techniques for a successful operation. Students are introduced to the commercial kitchen, including how to use commercial food equipment in a safe and sanitary manner as well as proper preparation techniques including *mise en place*. The course acquaints the student with the scope and complexity of the hospitality industry and the importance of good management skills.

The Culinary & Hospitality Professional*

FCS1501 | 1 Credit + 3 College Credits

This course offers students the opportunity to refine employability skills such as leadership, accountability, teamwork, and responsibility. Students learn the role of accurate menu creation and design along with the critical thinking and problem solving skills to address real-life case studies while continuing to hone their culinary and management skills. Global cuisines and sustainability in the hospitality industry are incorporated. Diverse management styles are applied.

Prerequisite: Advanced Food Production & Hospitality Management



AP Psychology*

04256 | 1 Credit + 3 College Credits

In this course, students investigate the scientific theories of human behavior and their application. They explore the anatomy of the brain, discovering why people behave the way they do.

Students taking this course are expected to take the AP Psychology exam.

Creating Environments for Learning*

ECE214 | 1 Credit + 3 College Credits

Students learn concepts and strategies for creating a positive learning environment that meets the academic, social and emotional needs of a diverse classroom. Students practice skills for organizing the classroom effectively, engaging and motivating students, building positive relationships, promoting self-regulation and social-emotional learning (SEL), developing and teaching rules and behavioral expectations, cultivating a growth mindset and managing individual and group behaviors.

Students develop a trauma-informed and culturally competent personal classroom management philosophy and comprehensive MTSS and PBS plan. Furthermore, candidates design tools to increase collaboration and communication with families, communities and administrators. Lastly, candidates analyze their own beliefs, philosophies and practices as well as self-reflect and plan to promote their well-being while reducing burnout and stress.

Principles of Curriculum & Literature*

19180 | 1 Credit + 6 College Credits

In this course, students develop a solid and comprehensive understanding of research-based instructional practices through literacy. Specifically, instruction includes a multi-component instructional focus surrounding the five pillars of the science of reading instruction: Oral Language, Phonemic Awareness, Fluency, Vocabulary and Comprehension. Teacher candidates will develop an awareness of social and cultural language differences including language acquisition of young children across cultural and linguistic groups. This course also includes a study of literature for children (ages birth through second grade) and is designed to introduce teacher candidates to a wide range of genres including classics and contemporary materials. The course emphasizes the development of knowledge of literature and how to effectively integrate that knowledge into the curriculum. Particular attention is given to diverse representations in children's literature and the importance that diversity and equitable representation in children's literature plays in social and emotional development. In this course, teacher candidates utilize their knowledge of the major components of literacy and learner development to create literacy-rich learning environments with attention to student development, culture and families.

Leadership & Collaboration*

WUEDU204 | 1 Credit + 3 College Credits

This course examines cultural and ethnic differences in values and their implication on classroom instruction and curriculum development. Students will examine current research findings concerning cultural perceptions. Practices and communication styles for teaching cultural and ethnic differences for program planning in classrooms, schools and school districts will also be studied.



Essentials of Health Careers

140020 | 1 Credit

This course is for juniors and above and offers students the opportunity to become effective and efficient healthcare providers as they develop a working knowledge of various healthcare opportunities. As students identify the various areas of careers in healthcare, they will discuss the potential of education, advancement, employment opportunities, employment sites and financial rewards. Students will focus on careers in the healthcare field by applying classroom/lab knowledge and skills to clinical settings as they participate in direct or simulated patient care. Students participate in CPR/First Aid certification through the American Heart Association. This course reinforces and builds upon medical terminology skills learned in the Fundamentals of Health Sciences (FHS) course and is a prerequisite to the AP Anatomy and Physiology I (A&P) course for students in the Healthcare Sciences Pathway.

Further, this course will be offered as an **articulated course** with **DTCC (HLS 100 - Introduction to Health Careers)**. Students participate in CPR/ First Aid certification through the American Heart Association. *Upon successful completion of the course (75% or better), students will receive one college credit from DTCC.*

Prerequisite: Fundamentals of Health Sciences

Introduction to Health Careers

14002 | 1 Credit

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



Anatomy & Physiology II*

0305313H | 1 Credit + 3 College Credits

This course continues to explore the human body further and looks more in-depth at the cardiovascular, lymphatic, urinary, respiratory, digestive and reproductive systems. **Dissections are a required component** of this course and are more extensive than Anatomy and Physiology I. Throughout the course, the students will analyze and collaborate to design a course of action for various case studies.

Prerequisite: Anatomy and Physiology I

Fundamentals of Health Sciences

141540 | 1 Credit + 3 College Credits

This course is for sophomores and above and introduces students to careers in healthcare and is a prerequisite to the other Health Science Pathway courses. This course focuses on medical terminology which includes Greek and Latin prefixes, suffixes, roots, abbreviations, names of diseases and surgeries related to hospital services and allied health specialties. In addition, students explore the National Consortium Health for Science Education (NCHSE) Health Science Standards and entry-level healthcare skills. Students begin preparation for the NCHSE National Health Science Assessment and develop skills focusing on the language of medicine. This course will be offered as an **articulated course** with **DTCC (BIO 100 - Medical Terminology)** Upon successful completion of the course (75% or better), students will receive *three college credits* from Delaware Technical Community College.

Prerequisite: Introduction to Health Careers

DTCC dual enrollment is dependent upon a SAT EBRW score of 480 or higher, or 3.0 GPA.



Anatomy & Physiology* (DTCC Dual Enroll)

03910 | 1 Credit + 3 College Credits

Delaware Technical Community College's BIO 120 introduces students to anatomy and physiology of humans including the structure and function of cells, tissues, integumentary, skeletal, muscular, nervous and endocrine systems. Coordinated laboratory experiments are an integral part of this course. Students learn the physiology of each body system, as well as how to investigate common diseases, disorders and emerging diseases. The prevention of disease, diagnosis and treatment are addressed. This is the Capstone senior year for students in the Healthcare Sciences Pathway.

There is an additional \$65 lab manual fee due the first week of class.

Prerequisite: Biology I

ASD recommends: Anatomy & Physiology I

DTCC dual enrollment is dependent upon a SAT EBRW score of 480 or higher, 3.0 GPA, or successful completion of Foundations of English.



Criminal Justice

Introduction to Criminal Justice*

CRJ101 | 1 Credit + 3 College Credits

This course is a survey of agencies and processes involved in the administration of criminal justice. The survey includes a review of the functions of the legislature, police, prosecutor, courts and the correctional system. Problems of law enforcement in a democratic society will be discussed. This course will tie together all components of criminal justice and include relationships with both juvenile and adult offenders.

Principles of Criminology*

CRJ205 | 1 Credit + 3 College Credits

This is an introductory course in the study of crime and criminal behavior that examines various theories of crime causation, profiles of criminal behavior systems, societal reactions to crime and structures of criminological methods of inquiry.

Prerequisite: Introduction to Criminal Justice

Technology Applications In Criminal Justice*

CRJ350 | 1 Credit + 3 College Credits

This Capstone course provides an introduction to the technology used in the criminal justice system including the basic principles of computers with respect to police information systems, Interagency Criminal Justice Information, the National Law Enforcement Telecommunications Systems, National Criminal Justice Computer System, (FBI) National Incident-Based Reporting System and a variety of databases used in the criminal justice system. Legal and ethical considerations will be discussed. Criminal justice information system databases will be reviewed for application to a variety of issues.

Prerequisite: Principles of Criminology



JDG I

JDG9401 | 1 Credit

Students will practice self-awareness and math in the workplace while demonstrating problem-solving, teamwork, and conflict resolution.

Students will also be exploring career clusters and the qualities of an entrepreneur.

JDG II

JDG9402 | 1 Credit

Students will develop decision making skills and digital literacy along with demonstrating customer service, budgeting and leadership skills. Students will also explore how to succeed as an entrepreneur and how to apply for a job.

JDG III

JDG9403 | 1 Credit

Students will demonstrate interview skills and media literacy all while exploring workplace diversity, social awareness, and investing for the future. Students will also examine how to make a business plan and continue their education.

JDG IV

JDG9404 | 1 Credit

Students will practice giving and receiving effective feedback and self-management. They will examine investment tools, entrepreneurial success, and professional ethics as well as design a resume and cover letter, and prepare for future employment by participating in community service activities and internship opportunities.

JDG IV may be the student's Capstone course ONLY if JDG is the student's Pathway (the student's third or fourth year of JDG classes) and the counselor approves it.

JROTC

* = Advance Standing Course / Articulated Credit

Leadership Education & Training I

The Emerging Leader

09051 | 1 Credit

This course introduces students to the foundations of the Army JROTC program, the rights and responsibilities of U.S. citizenship, the principle components of leadership, and the foundational elements needed for academic and career success. Additionally, students receive instruction in U.S. and military history, discipline, personal wellness, physical fitness, career education, and workplace readiness skills. Military customs and courtesies, proper uniform wear and personal appearance guidelines are established and reinforced in the classroom, drill, and military ceremonies.

Leadership Education & Training II

The Developing Leader

09052 | 1 Credit

This course continues to provide students instruction in the Army JROTC program and the rights and responsibilities of U.S. citizenship. Students continue to learn leadership skills, U.S. and military history, the origins and development of the U.S. Government, discipline, personal wellness, physical fitness, first aid, map skills, career education, and workplace readiness skills. Military customs and courtesies, proper uniform wear, and personal appearance guidelines are required in the leadership lab, drill, and military ceremonies.

Prerequisite: Leadership Education & Training I

Leadership Education & Training III

The Supervising Leader

09053 | 1 Credit

This course continues to provide students instruction in the Army JROTC program, reinforcing U.S. citizenship rights and responsibilities, leadership, military history, discipline, physical fitness, career education, financial planning, personal development, and workplace readiness skills. Military customs and courtesies, proper uniform wear, and personal appearance guidelines are required in the leadership lab, drill, and military ceremonies.

Prerequisite: Leadership Education & Training II

Leadership Education & Training IV

The Managing Leader

09054 | 1 Credit

Students continue instruction in the Army JROTC program, consisting of U.S. citizenship rights and responsibilities, leadership, military history, discipline, citizenship, physical fitness, career education, and workplace readiness skills. Students receive additional instruction in military customs and courtesies, proper uniform wear, and personal appearance guidelines. Adherence to the guidelines is required in leadership lab, drill, and military ceremonies.

Prerequisite: Leadership Education & Training III

Life-Centered Career Education

Life Skills I, II, III, IV

CFC100, CFC101, CFC102, CFC103

These courses will allow students to access skills to become independent members of the community. These courses provide the opportunity to practice home living tasks, decision-making skills and problem-solving. Students will progress through each level (I-IV) based on mastery of curricular expectations. Navigating and accessing community resources are integral to the LCCE Pathway. Students will matriculate through this alternative program and will not earn course credits. Students will matriculate through this alternative program and will not earn course credits.

Vocational Studies I, II, III, IV

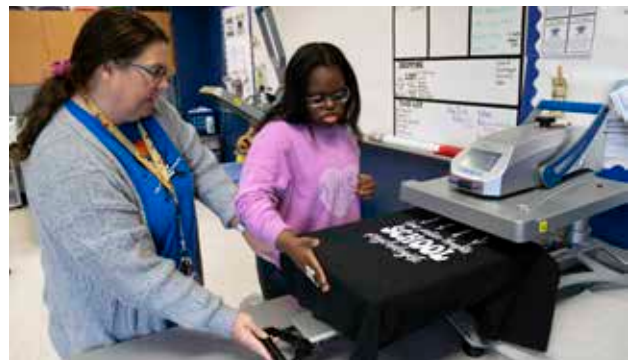
CFC200, CFC201, CFC202, CFC203

These courses will allow students to access a variety of prevocational skills such as interviewing, completing job applications, matching skills/interest to jobs, and workplace social skills. Students will progress through each level (I-IV) based on mastery of curricular expectations. The goal is to increase students' chances of obtaining and maintaining employment. Students will matriculate through this alternative program and will not earn course credits.

Cooperative Work Studies I, II, III, IV

CFC400, CFC401, CFC402, CFC403

These are the Capstone courses to the LCCE Pathway, and students must complete the vocational and work studies coursework as a prerequisite. Students are placed in community-based internships working with the District Job Coach. Students will participate in community internships and job shadow placements by applying vocational skills learned previously in their work studies and vocational studies courses. Students will receive on-site job training in diversified occupations. Students will matriculate through this alternative program and will not earn course credits.



Visual, Performing & Design Arts

* = Advance Standing Course / Articulated Credit

Advanced Choir

05210H | 1 Credit

Advanced Choir is an honors-level, auditioned choral ensemble that prioritizes the development of independent musicianship skills and the performance of advanced choral music across diverse genres and historical periods. Through rehearsal, performance, and individual study, students will demonstrate proficiency in vocal technique, choral technique, and music literacy. Participation in Advanced Choir requires a commitment to out-of-school performances.

Prerequisite: Acceptance into this course is conditional upon the outcome of an audition with the choir director.



Ceramics & Sculpture I

05159 | 1 Credit

This course develops the three-dimensional art techniques through hand building with clay and papier mache. Study includes three-dimensional composition and glazing techniques. Emphasis will be placed on creating artwork that fits contextually with pottery created in various cultures and time periods. ***This class requires a \$10 materials fee.***

Prerequisite: Foundations of Art

Ceramics & Sculpture II

05259 | 1 Credit

This course further develops the three-dimensional art techniques through wheel thrown pottery, plaster sculpture and mixed media. Topics of study include artist research, critique methods, and artist symbolism. Emphasis will be placed on creating a personal style. ***This class requires a \$10 materials fee.***

Prerequisite: Foundations of Art, Ceramics & Sculpture I

Concert Choir

05110 | 1 Credit

Concert choir is designed for students to develop vocal music skills within the context of a choral ensemble in which they perform a variety of styles of repertoire. Training centers on introducing music literacy, healthy vocal production, and singing in harmony.

Participation in out-of-school performances is a requirement for this course.

Concert Band

05102 | 1 Credit

Concert band rehearses and performs in tandem with Concert Band - Honors. Concert band emphasizes coordination of brass, woodwind and percussion instruments in a large ensemble for public performance. In addition to the band class scheduled during the day, students are expected to attend after school rehearsals and performances as part of their grade requirements.

Prerequisite: Prior experience in middle school or high school band.

Concert Band - Honors

05102H | 1 Credit

This ensemble rehearses and performs in tandem with Concert Band. This honors-level course emphasizes coordination of brass, woodwind and percussion instruments in a large ensemble for public performance. In addition to the band class scheduled during the day, students are expected to attend after school rehearsals and performances as part of their grade requirements. Students enrolled in Concert Band - Honors will be required to complete additional curricular tasks above and beyond the traditional ensemble requirements.

Prerequisite: Prior experience in middle school or high school band.

Digital Communication Capstone

11998 | 1 Credit

This Capstone course engages students to produce digital media and design work for school and community-based partners. Students will employ appropriate Adobe Suite software and design skills to achieve the desired outcome for each client. The production of media and design components from all courses will be showcased for clients and partners through the completion of a Capstone cumulative professional portfolio.

Drawing & Painting I

05155 | 1 Credit

This course develops two-dimensional drawing and painting skills through the use of various observational drawing techniques, basic acrylic painting techniques and expressive mark-making. Broad topics include the fundamentals of color theory, linear perspective and objective critiquing methods, along with the use of symbolism to establish overall mood and message. Emphasis will be placed on exploring various media and techniques while analyzing works of art and artistic movements. **This class requires a \$10 materials fee.**

Prerequisite: Foundations of Art

Drawing & Painting II

05156 | 1 Credit

This course continues to develop two-dimensional drawing and painting techniques while developing individual artistic voice through investigation. Broad topics include the development of advanced painting techniques, color theory, art analysis, objective critiquing strategies and researching careers in visual art. Emphasis will be placed on creating a personal style through sustained investigation of artistic characteristics and media, leading to the development of a body of work that can be further explored in AP Studio Art. **This class requires a \$10 materials fee.**

Prerequisite: Drawing and Painting I

Foundations of Art

05156 | 1 Credit

This course is the fundamental art studio class. It emphasizes the elements of art and principles of design through experimentation with two- and three-dimensional art experiences. Topics include art vocabulary, critique methods and artist research. Emphasis will be placed on introducing students to various art media that leads to a Pathway of drawing and painting, sculpture and ceramics, or a combination of art courses. **This class requires a \$10 materials fee.**



Fundamentals of Acting I

050551 | 1 Credit

This beginner-level course is designed to provide students with a basic understanding of theatrical performance and drama strategies. Students will participate in a variety of games, exercises and activities that will help them become aware of how to use their body and voice, and empower them to become more comfortable in public settings. Students will be introduced to several genres of published dramatic pieces including, but not limited to: full-length plays, one-acts, scenes and monologues. Students will also be introduced to basic character development strategies. Improvisation will be a major emphasis. Students will be required to participate in at least one public performance. It is strongly encouraged that the students attend professional and non-professional performances throughout the school year.

Fundamentals of Acting II

050552 | 1 Credit

In this course students will strengthen their understanding of theatrical performance. They will study and perform scenes and monologues from modern and contemporary plays. The focus of this course will be character development, and forming an increasing awareness of vocal and physical techniques. Students will be required to participate in at least one public performance. It is strongly encouraged that students attend professional performances throughout the year.

Prerequisite: Fundamentals of Acting I

Fundamentals of Acting III

050553H | 1 Credit

This course is taught in tandem with Fundamentals of Acting IV. In this honors-level course, students will continue to advance their understanding of theatrical performance. Students will study and perform scenes and monologues from modern and contemporary plays. The focus of this course will be strengthening understanding and application of character development and increasing awareness of vocal and physical techniques. Students are required to participate in at least one public performance. It is strongly encouraged that students attend professional performances throughout the year.

Prerequisite: Fundamentals of Acting II

Fundamentals of Acting IV

050554H | 1 Credit

This honors-level course is taught in tandem with Fundamentals of Acting III. This course is intended for students who successfully complete Acting III and wish to continue further study in preparation for higher education pursuits in the performing arts.

Prerequisite: Fundamentals of Acting III

Introduction to Guitar

05108 | 1 Credit

This course is for beginners who want to learn the basics of playing the guitar and reading guitar music. Topics include learning chords, melody guitar, power chords, scales/arpeggios and reading tablature. **No experience is needed.**

Students must provide their own guitar.

Marching Band

05103 | 1 Credit

Marching Band is a performance-based ensemble that performs at football games and band competitions. Students will be required to attend summer rehearsals and band camp as well as after school, evening and weekend rehearsals and performances.

Prerequisite: Previous experience in 7th Grade, 8th Grade, or High School Band.

Music Technology

05124 | 1 Credit

Students will learn to create music using a computer. This course allows both traditional and nontraditional music students (i.e. those not in a performance ensemble) to pursue music in a 21st-Century setting. Students will identify/classify theoretical elements and structural elements of music as it applies to composition.



Musical Theatre Performance/ Theatre Dance

05060 | 1 Credit

The three main components of musical theatre are singing, acting and dancing. This course serves as a study of each of these components. Students will be expected to perform individually as well as in groups and must demonstrate a willingness to take direction, take risks and step out of their comfort zone. The ability to sing on pitch, a strong sense of rhythm, a high level of physical endurance and daily participation in the rehearsal process is required. Students will perform solos, duets and ensemble pieces, analyze, memorize and perform scenes, build a repertoire of dance movements from a variety of styles and apply movements toward the creation of an original piece of choreography. They are required to participate in at least one public performance. *This course can be taken multiple times for credit.*

Prerequisite: Fundamentals of Acting I or instructor approval.

Music Theory I

05113 | 1 Credit

Music Theory I introduces students to the basics of music theory. The course is designed to help the beginning music student, or students with limited background in music theory, study the basic elements of music through creating, performing, responding and connecting. Topics include notation, rhythm, scales, key signatures, intervals, chords, harmonization, beginning level melodic and rhythm dictation, ear training, and sight-singing skills.

Percussion Ensemble

PA9514 | 1 Credit

This is a performance-based class. Students must have a good understanding of musical notation. They will learn performance techniques for most percussion instruments and develop an understanding of basic music theory concepts. Students are required to perform in concerts and events outside of the regular school day.

Orchestra

05120 | 1 Credit

This ensemble rehearses and performs in tandem with Philharmonic Orchestra. This honors-level course is a performance based class wherein students study a wide variety of musical styles and develop advanced technical proficiency on their instruments including the violin, viola, cello, or double bass. In addition, students will develop ear training and musicality to supplement their playing in the ensemble. They perform in a variety of ensemble situations, and some external activities, such as concerts, may be required. Students enrolled in Philharmonic Orchestra - Honors will be required to complete additional curricular tasks above and beyond the traditional ensemble requirements

Prerequisite: Prior experience in middle school or high school band.

Orchestra - Honors

05120H | 1 Credit

This ensemble rehearses and performs in tandem with Orchestra. This honors-level course is a performance based class wherein students study a wide variety of musical styles and develop advanced technical proficiency on their instruments including the violin, viola, cello, or double bass. In addition, students will develop ear training and musicality to supplement their playing in the ensemble. They perform in a variety of ensemble situations and some external activities, such as concerts, may be required. Students enrolled in Orchestra - Honors will be required to complete additional curricular tasks above and beyond the traditional ensemble requirements

Prerequisite: Prior experience in middle school or high school band.

Piano I

05107 | 1 Credit

Students will learn how to play the piano. The major topics in this course include, but are not limited to, correct piano technique, music theory, scales and short compositions. **No prior experience is necessary.**

Piano II

051072 | 1 Credit

Students will continue their study of piano. Major focuses in this course include, but are not limited to, correct piano technique, music theory, scales and compositions and piano repertoire. Prior experience in piano is necessary.

Prerequisite: Audition or Piano I

Stagecraft I

050561 | 1 Credit

Students enrolled in this course will be introduced to all major aspects of theatrical production. Units of study may include: introduction to the theatre, costume design, set design, stage management, front-of-house management and scenic painting. Students will be expected to help set up school events and maintain the theatre. This is a hands-on course. Students must participate in at least one public performance and will be required to participate in the technical side of a public performance which will require several hours after the school day. It is strongly encouraged that students attend professional performances throughout the school year.

Stagecraft II

050562 | 1 Credit

Students enrolled in this course will continue their study of all major aspects of theatrical production. Units of study may include costume design, scenic design, scenic painting, set design, stage management, lighting design, front-of-house management, and more. Students will be required to participate on the technical crew of one of the major school productions.

Prerequisite: Stagecraft I

Stagecraft III

050563 | 1 Credit

This course is taught in combination with Stagecraft II. Students who wish to further their study of technical theatre and have the opportunity to focus on specific areas of design are encouraged to take this higher-level course.

Prerequisite: Stagecraft II

Stagecraft IV

050564 | 1 Credit

This course is taught in combination with Stagecraft II and III. Students who wish to further their study of technical theatre and have the opportunity to focus on specific areas of design are encouraged to take this higher-level course.

Prerequisite: Stagecraft III



Treble Choir

050561 | 1 Credit

Treble Choir is an auditioned vocal ensemble. A variety of Treble Choir music will be performed from multiple genres. This course continues the development of vocal music skills, including singing in 3 and/or 4 part harmony, music literacy, and vocal technique. Several out-of-school performances will be required during the year.

Prerequisite: Acceptance into this course is conditional upon the outcome of an audition with the choir director.

AP Art History*

05153 | 1 Credit + 3 College Credits

This rigorous course provides the same benefits to high school students as those of an introductory college course. The paintings, sculptures and architecture of ancient art styles through contemporary art styles will be placed in historical and cultural contexts. Students are required to take the College Board exam for consideration in receiving advanced placement and/or credits at the college level.



AP Art & Design*

051720 | 1 Credit + 3 College Credits

AP Art and Design is the most rigorous art course offered and is considered the Capstone course of the Visual Arts Pathway. This course provides the serious art student with the challenge of creating a body of work guided by inquiry while placing a heavy emphasis on the sustained investigation of ideas, processes and materials. Students choose between drawing (fine art), two-dimensional or three-dimensional portfolio that demonstrates:

- 1) Quality through a master of drawing/painting technical skills, compositional and design skills, or three-dimensional spatial skills.
- 2) The ability to create a body of work guided by inquiry through a synthesis of ideas, processes and materials that captures the artistic practices of research, reflection, and revision.
- 3) Written evidence that effectively communicates how the student showed evidence of practice, experimentation and revision that was guided by an identified inquiry is used.

AP Art and Design exams consist of submitting digital images of a portfolio, including images showing evidence of investigation, to College Board, where it will be scored for consideration in receiving advanced placement and/or credits at the college level.

This course requires a \$10 materials fee.

Prerequisite: Drawing & Painting I and II

AP Music Theory*

05114 | 1 Credit + 3 College Credits

This class features fast-paced, detailed instruction in the fundamentals of theory, sight-singing and ear training. It is meant to take the place of a freshman-level college music theory course. Topics include harmonic analysis, composition, solfège, sight-singing in major and minor keys, melodic and harmonic dictation and the study of the standard western classical repertoire. Students must read musical notation fluently to register.

Prerequisite: Music Theory I, Piano II, or a high school performing ensemble and successful audition before a committee.

Applications of Digital Design*

111530 | 1 Credit + 3 College Credits

In this course, students are taught the basics of digital video production, video editing, and broadcasting of digital videos, vector image manipulation, editing, illustration, publishing and delivery of digital products. While working in this course, students will be developing client-based design work through district and community partnerships to prepare an entry-level professional portfolio.

Prerequisite: Processes of Digital Production

Foundations of Digital Design*

11002 | 1 Credit + 3 College Credits

In this course, students are introduced to the foundational principles, techniques and skills of visual communication. Students will learn the elements and principles of design, color theory, typography and image manipulation techniques along with the communication skills required to work within the media industry and client-based realm.

Processes of Digital Production*

11990 | 1 Credit + 3 College Credits

In this course, students are taught the basics of raster image manipulation, editing, software application, publishing, digital media literacy, HTML coding, web development tools and delivery of digital products.

Prerequisite: Foundations of Digital Design

MUS 101: Music Appreciation*

PA9600 | 1 Credit + 3 College Credits

This course increases students' comprehension and perception of music. Each developmental period will be discussed (i.e. Middle Ages, Renaissance, Baroque, etc.) in terms of the historical background, social influences, characteristics, styles, composers, representative compositions and performance media.



Advanced Aerospace & Flight

20061 | 1 Credit

Advanced Aerospace & Flight equips students with crucial knowledge for both crewed and uncrewed aviation, setting them up for the FAA Private Pilot or Part 107 Remote Pilot Knowledge Tests. Covering essentials such as preflight checks, airspace classification, radio protocols, regulations, and safety, it provides a robust base for aspiring aviators. Building on this, the Flight Planning course addresses advanced topics required for the Private Pilot Knowledge Test, including flight planning, weight and balance, performance limits, and aeronautical decision-making. It concludes with practice exams and potentially, the opportunity for students to take the actual FAA Private Pilot written exam, thoroughly preparing them for certification and a future in aviation.

Prerequisite: Basic Aircraft Systems

Aerospace Capstone

20062 | 1 Credit

After preparing for critical FAA tests, students in the Aerospace Capstone Course delve into advanced aviation studies, considering future industry landscapes and business opportunities within aviation. They'll tackle subjects like instrument flight, commercial aviation, and sophisticated aircraft systems before forecasting the evolution of aviation in the coming decades. This sets the stage for business development analysis and research methodologies essential for their second-semester capstone project. Students work independently or collaboratively to investigate and present findings on a chosen contemporary aviation topic and present on their understanding and showcasing their skills through guided research and project development.

Prerequisite: Advanced Aerospace & Flight

Advanced UAS Operations

20063 | 1 Credit

Advanced UAS Operations serves as a steppingstone for students aiming to take critical FAA exams, such as the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test, covering a range of topics including preflight procedures, airspace, and emergency protocols for both crewed and uncrewed aviation. This course further hones in on unmanned aerial systems, addressing mission planning, UAV performance, and crew resource management, culminating in the opportunity for students to take the Part 107 Remote Pilot Knowledge Test, thereby equipping students with the knowledge and certification to advance in the field of aviation.

Prerequisite: Basic Aircraft Systems

Computer Science Essentials

CS405 | 1 Credit

With emphasis on computational thinking and collaboration, this course provides an excellent entry point for students to begin or continue the PLTW Computer Science K-12 experience. Computer Science Essentials will expose students to a diverse set of computational thinking concepts, fundamentals and tools, allowing them to gain understanding and build confidence.

Engineering Essentials

21006 | 1 Credit

Engineering Essentials is a full-year course designed to be a high school student's first exposure to the PLTW Engineering program and is appropriate for students in grades 9-12. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools such as geographic information systems (GIS), three-dimensional solid modeling software and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process and logistical solutions to relevant problems across a variety of industry sectors, including healthcare, public service, and product development and manufacturing.

Forensic Science I

03214 | 1 Credit

Forensic Science I is designed to incorporate the scientific concepts and techniques utilized in the field of forensics. Course units include observational skills, crime scene analysis, evidence gathering and processing, hair, fiber and textile analysis, DNA profiling, fingerprint analysis, blood spatter and forensic anthropology. The course concludes with an in-depth crime scene analysis that allows students to embody the role of a forensic investigator and ultimately put the skills learned throughout the course into cumulative practice. Evidence-based reasoning is a cornerstone of the course and will be employed using an activity based approach to frame each curricular unit.

Prerequisite OR concurrent course: Anatomy and Physiology I

Forensic Science II - Honors

03215 | 1 Credit

Forensic Science II is an honors level course designed to incorporate and build on the scientific concepts and techniques established in Forensic Science I. Course units include forensic botany, soils, fire/arson, toxicology, forensic psychology, accident reconstruction and others. The course concludes with a cold case investigation or similar research project that allows students to embody the role of a forensic investigator and ultimately put the skills learned throughout the course into cumulative practice. Evidence based reasoning and independent research are a cornerstone of the course and will be employed using an activity-based approach to frame each curricular unit.

Prerequisite: Forensic Science I

ASD Recommends: Chemistry I or equivalent course

Introduction to Engineering Design

21017 | 1 Credit

This course emphasizes design and product development. Students use computer software to produce, analyze and evaluate mathematical models and project solutions. Students study design concepts, such as form and function, then use state-of-the-art technology to translate conceptual designs into reproducible products.

Prerequisite: Algebra I, Engineering Essentials

Principles of Engineering

21018 | 1 Credit

This course provides an overview of engineering and engineering technology. Students develop problem-solving skills by tackling real-world engineering problems through theory and practical hands-on experiences. Students address the emerging social and political consequences of technological change.

Prerequisite: Introduction to Engineering Design



Scientific Research & Design

03212 | 1 Credit

This Capstone course represents the culmination of the Science Pathway. This course focuses on technical scientific writing, laboratory skills, robust data analysis, and the development and implementation of effective research practices. The final product for the course will be an independent research project on a topic of the student's choosing. All students will be expected to present their findings as part of the Appoquinimink School District STEM Fair.

Prerequisite: Students will have completed a minimum of 6 science credits.

UAS Capstone

20064 | 1 Credit

The UAS Capstone course builds on the previous year's preparation for the Part 107 Remote Pilot Test. Students apply their knowledge and newly earned FAA certification to real-world applications, discovering how drones are revolutionizing industries today. They will explore the entrepreneurial aspect of drone operations, learn to navigate community drone regulations, and develop strategies for business implementation. The capstone course is a comprehensive project-based learning experience that invites students to investigate and present on a current UAS topic, either individually or in groups. The project not only solidifies their understanding but also enhances their research and presentation skills, with the curriculum offering structured support throughout the process.

Prerequisite: Advance UAS Operations

AP Computer Science Principles*

10019 | 1 Credit + 3 College Credits

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. AP Computer Science Principles helps students develop programming expertise and explore the workings of the internet. Projects and problems include app development, visualization of data, cybersecurity and simulation.

Prerequisite: Computer Science Essentials. Students who successfully complete this course are expected to take the AP Computer Science Principles exam.

AP Computer Science A***10157 | 1 Credit + 3 College Credits**

AP Computer Science A focuses on further developing computational thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. Students who successfully complete this course are expected to take the AP Computer Science A exam in the spring.

Prerequisite: AP Computer Science Principles

Basic Aircraft Systems***20060 | 1 Credit + 3 College Credits**

Basic Aircraft Systems offers students in the Pilot and UAS tracks a comprehensive dive into the world of aviation. Starting with an overview of aircraft types, construction, and the principles of flight, students learn to categorize aircraft, identify parts, and understand the forces and design factors that enable aircraft to fly, along with related career skills. The curriculum then advances into the intricate workings of crewed and uncrewed aircraft systems, including powerplants, fuel, electrical, and environmental systems, and how these impact aircraft performance. Students also become familiar with flight instrumentation, troubleshooting, aircraft documentation, and the calculations needed to assess operating data, equipping them with the practical and technical knowledge essential for aviation-related careers.

Prerequisite: Introduction to Aerospace

Cybersecurity***CS505 | 1 Credit + 3 College Credits**

This course introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked. In Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. **This is the Capstone senior year course for students in the Computer Science Pathway.**

Prerequisite: AP Computer Science A

Engineering Design & Development***21025 | 1 Credit + 3 College Credits**

This course enables students to apply what they have learned in academic and Engineering courses to complete a challenging and self-directed project. Students work in teams to design and build solutions to authentic engineering problems. An engineer or professional from the school's partnership team will mentor each team. Students document all work in an engineering journal and make progress reports to their peers, industry-mentor and instructor. At the end of the course, teams present their research paper and defend their projects to a panel of engineers, business leaders and faculty from engineering colleges for professional review and feedback. This course equips students with the independent study skills that they will need in postsecondary education and careers in engineering and engineering technology. **This is the Capstone senior year course for students in the Engineering Pathway.**

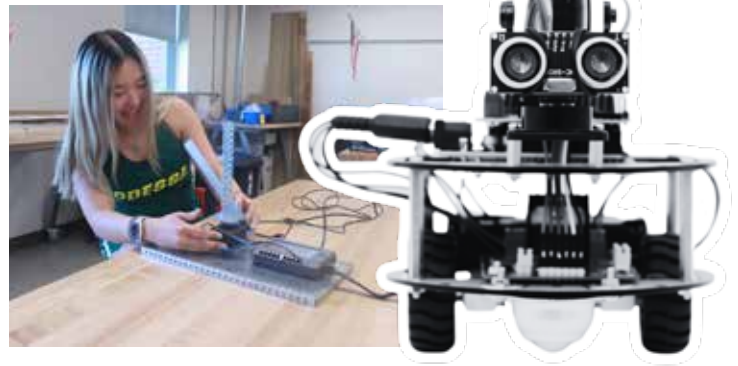
Prerequisite: Principles of Engineering



Introduction to Aerospace*

20053 | 1 Credit + 3 College Credits

Basic Aircraft Systems introduces students to the fundamentals of flight, aerospace engineering, and unmanned aircraft systems, and instilling an understanding of the engineering practices and innovations that have shaped the current landscape of aviation and space exploration. Students explore the aviation industry and the array of career opportunities while also engaging with the aerospace industry and its modern advancements. The curriculum educates students on the historical achievements from early flight to present-day aerospace technology and encourages them to contribute innovative solutions to the real-world challenges facing today's aviation industry.



Skilled & Technical Trades

* = Advance Standing Course / Articulated Credit

Foundations of Construction

17013 | 1 Credit

This course will provide students with basic knowledge and understanding of the construction industry. Students will learn how to safely operate hand and power tools, as well as become OSHA Construction Safety Certified. Other topics include an overview of the construction industry and heavy equipment operation, construction careers, measurements, print reading and construction math (including square and cubic calculations).

Introduction to Machinery Operation*

17023 | 2 Credits + 3 College Credits

This course will utilize technology to allow the safe practice of operating heavy equipment using simulators. Students will learn to read civil drawings along with added print reading practice. Other topics include equipment identification and safe operation, earth moving and grading techniques.

Prerequisite: Foundations of Construction

Advanced Machinery Operator*

17033 | 2 Credits + 3 College Credits

This course will provide students with ample live "seat time" on various pieces of heavy equipment. This will include, but is not limited to, a backhoe, excavator, bulldozer, skid steer, and forklift. Students will also earn the ATSSA flagger certification and forklift safety certificate.

Prerequisite: Introduction to Machinery Operation

Construction Capstone*

17048 | 2 Credits + 3 College Credits

The Construction Capstone course provides work experience in a field related to construction. Goals are typically set cooperatively by the student, teacher and employee (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Prerequisite: Advanced Machinery Operator

Additional Courses

Compass

22151 | 1 Credit

Students in the Appoquinimink School District are required to complete a Capstone Project as part of their graduation requirement. The collection of portfolio artifacts begins in the 9th grade and continues through the completion of their Senior Capstone Project. In addition, students are required to complete their Student Success Plan (SSP) as part of the credit. The SSP documents the student's postsecondary planning that begins in middle school and culminates in the senior year.

Driver's Education

EL5054 | 0.5 Credit

Classroom study precedes driving lab. All students must be academically eligible to participate in the "on the road" training portion of this course. Only grade 10 students who meet the criteria may be enrolled. Students are scheduled according to the date of their sixteenth birthday and academic record.

Health

HPE7003 | 0.5 Credit

This course is designed to provide students with an opportunity to learn about the physical, mental/emotional and social aspects of health. An emphasis is placed on the importance of making healthy decisions that will lead to a higher quality of life. Course information is presented in a practical manner incorporating current health trends and concerns. Topics covered include mental health, nutrition and physical activity, alcohol, tobacco, and other drugs, and consent and sexuality education.

Physical Education

HPE7001 | 0.5 Credit

Fitness activities, skill development and concepts of team play are emphasized in this course. Students concentrate on developing a personal fitness plan, lifetime sports and athletic skill acquisition.

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Work-Based Learning Practicum

22998 • 29999 | 1 Credit

The WBL immersion experience allows students to apply academic, technical and employability skills to real-world work in partnership with employers. Through meaningful work experience aligned with a given career Pathway, students deepen interpersonal and professional skills necessary to successfully pursue postsecondary education and career goals. Students will document their abilities, achievements and work experiences through a career readiness portfolio.

Sport Management I*

SPM305 | 1 Credit + 3 College Credits

Sports are more than just the game seen on television or in the stadium. Students interested in sport management should be aware of the various occupations in the sports industry. This course gives an overview of the responsibilities of those involved in the sports industry, as well as how general management principles apply to the industry.

Sport and Media Relations*

SPM306 | 1 Credit + 3 College Credits

This course focuses on the application of media relations and communications in a sport organization. Students learn how to utilize the various broadcast, print and social media and how they are vital to the success of the sport organization. Students will critique media guides and conduct a mock press conference which will include press releases, media advisories and media packets.

Prerequisite: Sport Management I

Gene Editing*

14990 | 1 Credit + 3 College Credits

The Gene Editing course engages students in open-ended problem solving where they study topics such as DNA, disease and gene therapy. Through exploration of gene editing, students will acquire important knowledge and laboratory skills, providing insight into the roles of scientists and medical doctors in the career fields of genetics, forensics and education. Students will read *The Immortal Life of Henrietta Lacks* and discuss legal, ethical and trust issues as well as healthcare disparities in minority populations.

Prerequisite: Biology or Anatomy & Physiology

Our mission is to provide a world-class education where each of our students gains the knowledge, understanding, skills, and attitudes needed to contribute and flourish in a global society.



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